

NWS Houston, Texas

April 2023

Regional Climate Summary

Produced by Jimmy Fowler

...Near to slightly below normal temperatures and above normal precipitation...

Unlike the other months so far this year, April saw multiple precipitation events leading to above to well above normal rainfall totals for the month. Generally four to six inches of rain fell during the month with swaths of up to nine inches. The continued rainfall and mostly cloudy skies meant temperatures were on the cooler side as well with average temperatures near normal to two degrees below normal. The above normal rainfall led to improvements in the drought conditions across the area with now just some Moderate Drought (D1) in coastal Matagorda County.

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By the Numbers: April 2023

Location (records started)	Average Temp	Ranking	Total Rainfall	Ranking
City of Houston, TX (1888)	68.1°F	46 th Coolest	5.87"	28 th Wettest
Houston Hobby, TX (1930)	70.6°F	27 th Warmest	4.03"	29 th Wettest
City of Galveston, TX (1871)	71.6°F	29 th Warmest	4.67"	29 th Wettest
City of College Station, TX (1882)	68.2°F	63 rd Coolest	8.94"	5 th Wettest
Palacios, TX (1943)	70.6°F	31 st Warmest	5.51"	8 th Wettest
Huntsville, TX (1997)	67.7°F	12 th Coolest	8.57"	Wettest on Record
Sugar Land, TX (2000)	69.2°F	8 th Coolest	5.85"	5 th Wettest
Conroe, TX (1997)	65.9°F	8 th Coolest	5.83"	3 rd Wettest
Clover Field (Pearland), TX (1997)	70.4°F	14 th Coolest	3.22"	11 th Wettest
David Wayne Hooks (Tomball), TX (1998)	68.5°F	11 th Coolest	3.87"	7 th Wettest
Angleton, TX (1998)	68.6°F	9 th Coolest	4.37"	5 th Wettest
League City, TX (1990)	69.0°F	15 th Warmest	5.98"	9 th Wettest



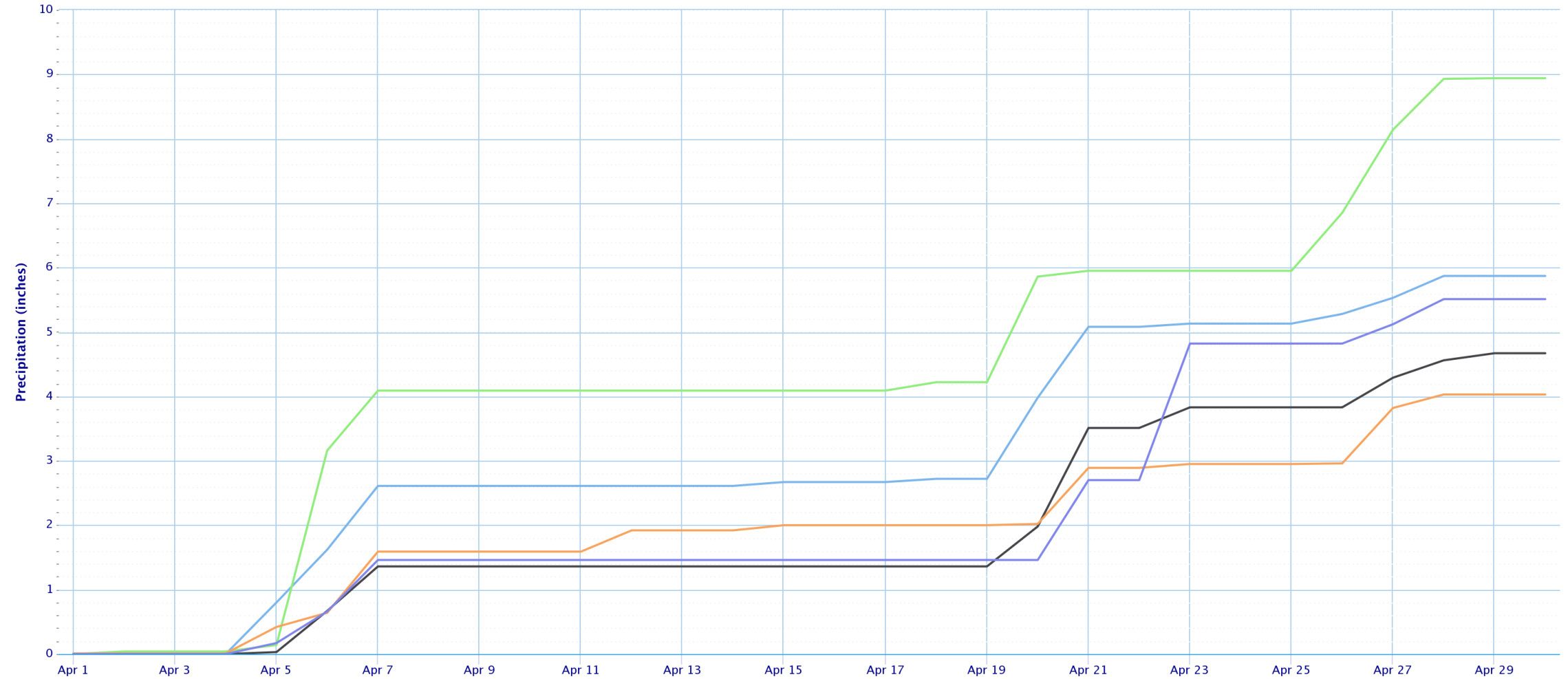
Precipitation

Location	Total Precipitation (in.)	Departure from Normal (in.)	Number of Thunder Days	Maximum Daily Precipitation (in./date)	
Galveston (GLS)	4.67	+2.61	10	1.53	21 st
Houston Hobby (HOU)	4.03	-0.05	9	0.95	7 th
City of Houston (IAH)	5.87	+1.92	10	1.26	20 th
College Station (CLL)	8.94	+6.07	11	3.02	6 th
Palacios (PSX)	5.51	+2.84	9	2.12	23 rd

Precipitation Accumulation Graph

Accumulated Precipitation

Green/black diamonds represent subsequent/missing values



City of Houston

City of Galveston

City of College Station

Houston-Hobby

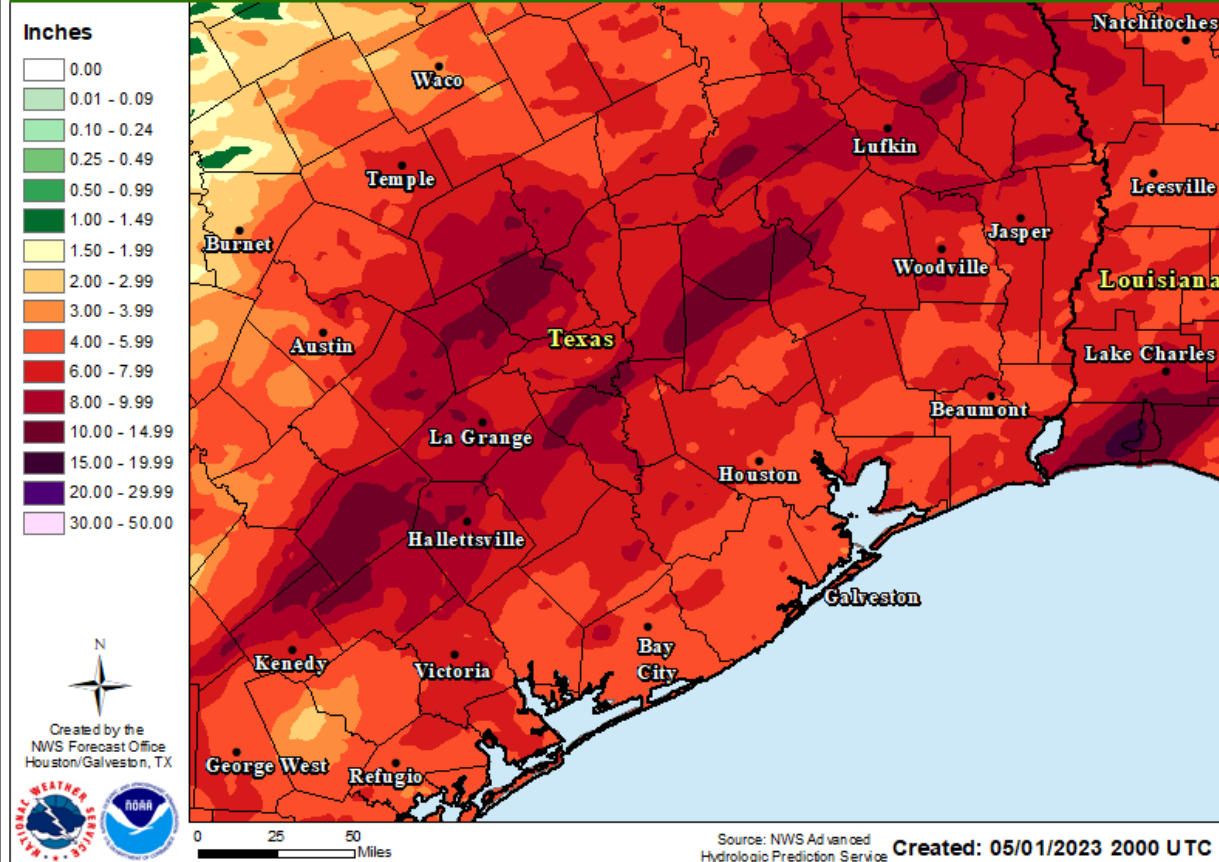
Palacios



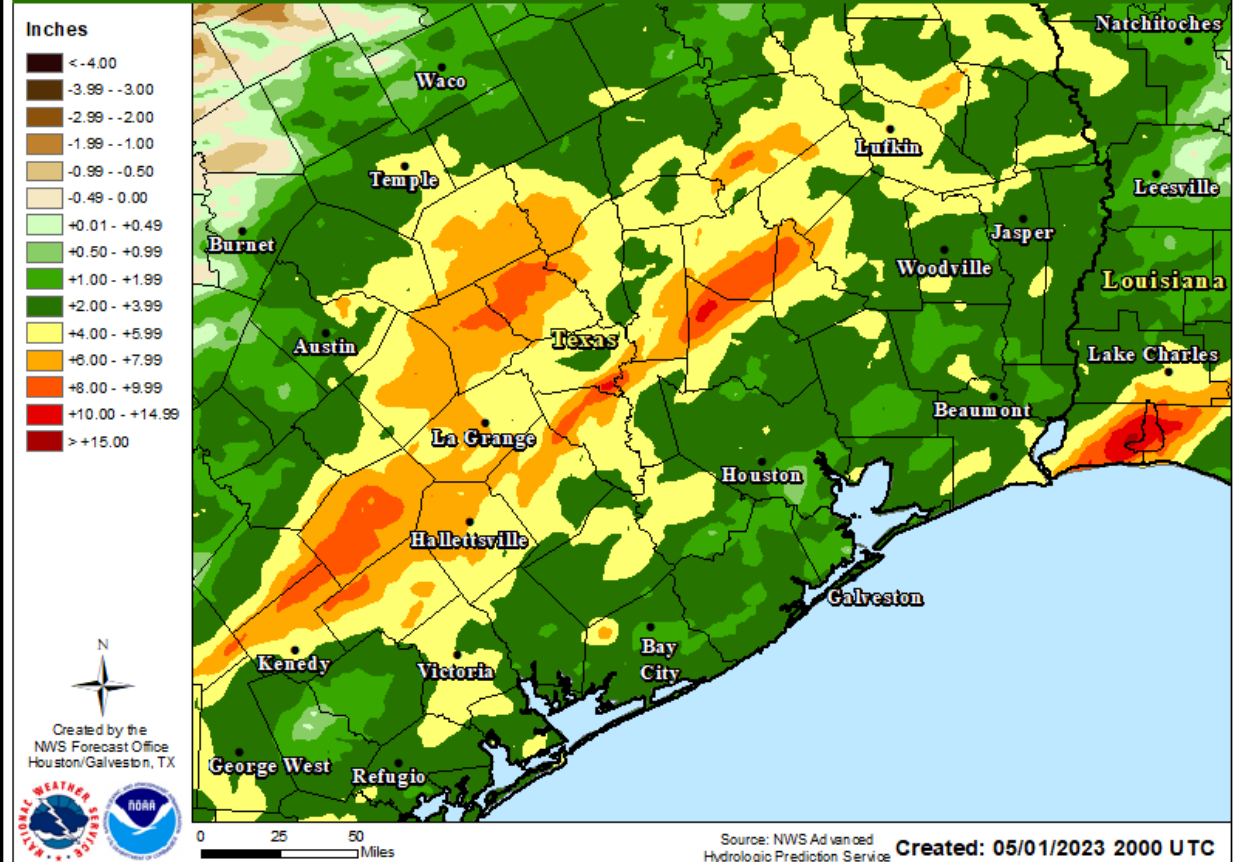
Precipitation Maps

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Total Monthly Precipitation - April 2023



Total Monthly Precipitation Departure From Normal - April 2023



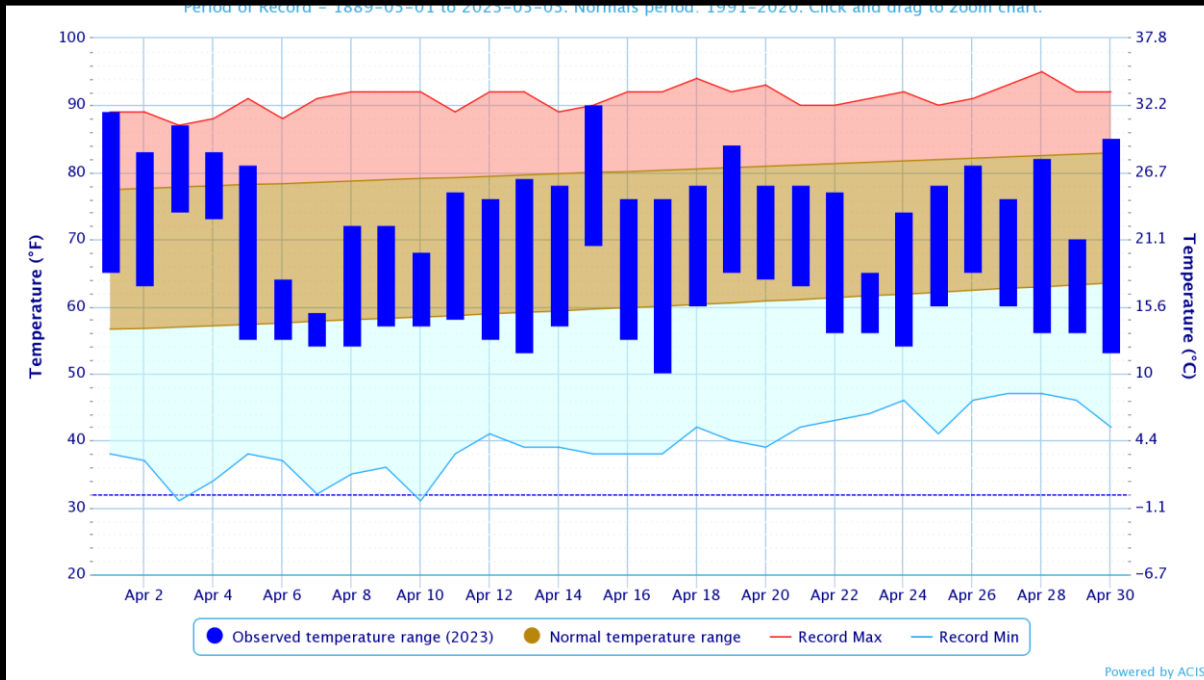
Temperature

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)	77.4	65.8	71.6	+0.1	87 on the 1 st	57 on the 24 th
Houston Hobby (HOU)	79.1	62.1	70.6	+0.1	90 on the 1 st & 15 th	54 on the 17 th & 30 th
City of Houston (IAH)	77.2	59.1	68.1	-1.9	90 on the 15 th	50 on the 17 th
College Station (CLL)	77.9	58.4	68.2	-0.5	89 on the 3 rd & 15 th	49 on the 17 th
Palacios (PSX)	78.1	63.0	70.6	-0.8	86 on the 1 st	52 on the 17 th

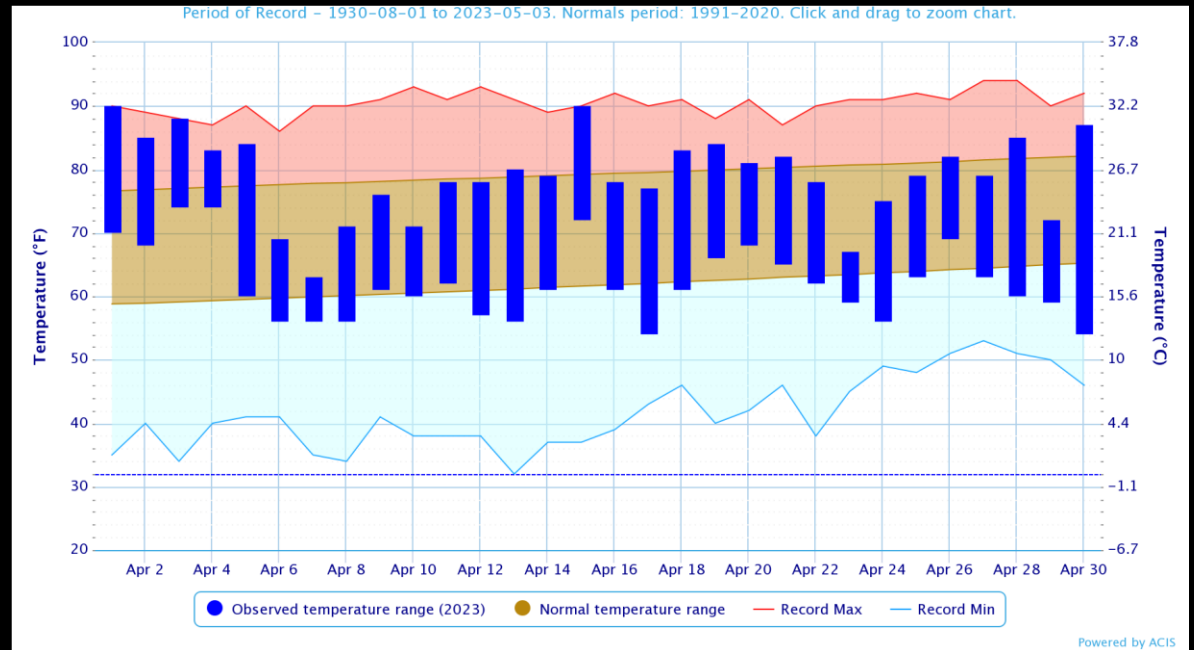
Temperature Charts

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City of Houston



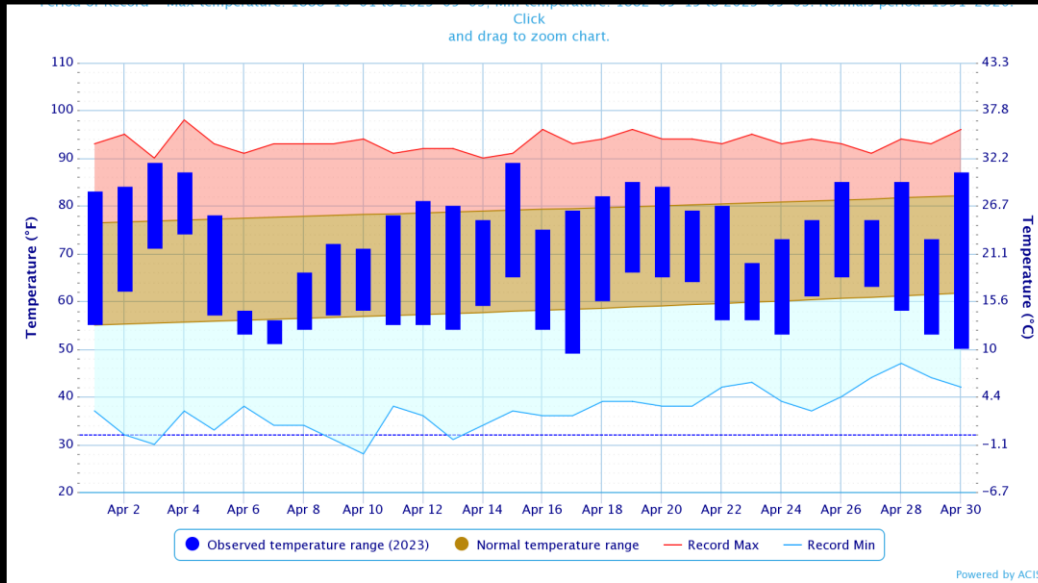
Houston-Hobby



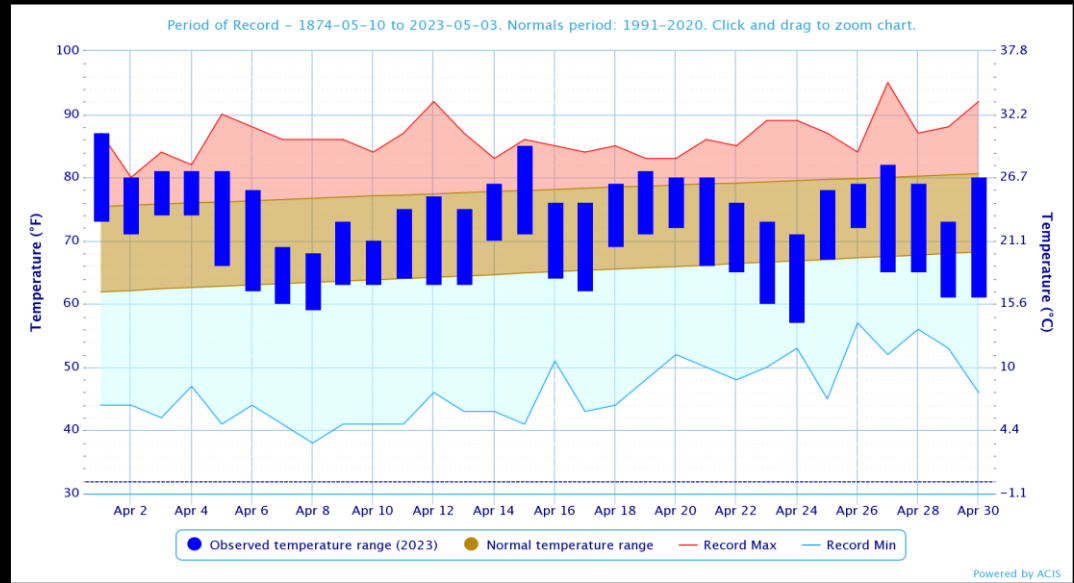
Temperature Charts

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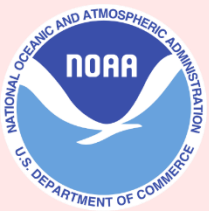
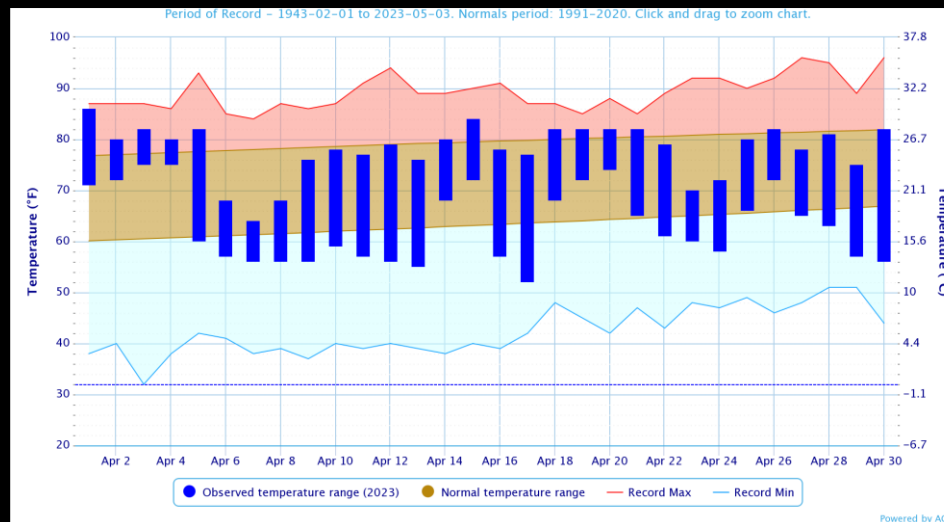
City of College Station



City of Galveston



Palacios



Daily Record Reports – City of College Station

Date	Record Type	New Record	Previous Record
4 th	High Minimum	74°F	73°F in 1923
6 th	Precipitation	3.02"	1.70" in 1887

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



High Max

Low Max

Precip

Key

Snow

High Min

Low Min



Daily Record Reports – City of Houston

Date	Record Type	New Record	Previous Record
1 st	High Maximum	89°F – T	89°F in 1936
3 rd	High Maximum	87°F – T	87°F in 2006
3 rd	High Minimum	74°F	73°F in 2012
4 th	High Minimum	73°F	72°F in 2001
15 th	High Maximum	90°F – T	90°F in 1944

There were 5
daily records
set at
Houston this
month.



High Max

Low Max

Precip

Snow

High Min

Low Min



Key

Daily Record Reports – Houston-Hobby

Date	Record Type	New Record	Previous Record
1 st	High Maximum	90°F	89°F in 1974
3 rd	High Minimum	74°F – T	74°F in 2012
3 rd	High Maximum	88°F – T	88°F in 2006
4 th	High Minimum	74°F	72°F in 2001
15 th	High Maximum	90°F – T	90°F in 1944
23 rd	Low Maximum	67°F – T	67°F in 1982

There were 6
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
1 st	High Minimum	73°F – T	73°F in 2012
1 st	High Maximum	87°F	81°F in 2017
2 nd	High Maximum	80°F – T	80°F in 2018
3 rd	High Minimum	74°F – T	74°F in 2012
4 th	High Minimum	74°F	72°F in 1929

There were 5
daily records
set at
Galveston this
month.



High Max

Low Max

Precip

Key

Snow

High Min

Low Min



Daily Record Reports – Palacios

Date	Record Type	New Record	Previous Record
3 rd	High Minimum	75°F	74°F in 2012
4 th	High Minimum	75°F	73°F in 2001
7 th	Precipitation	0.80"	0.71" in 2019
23 rd	Precipitation	2.12"	2.02" in 1981

There were 4 daily records set at Palacios this month.



High Max

Low Max

Precip

Key

Snow

High Min

Low Min



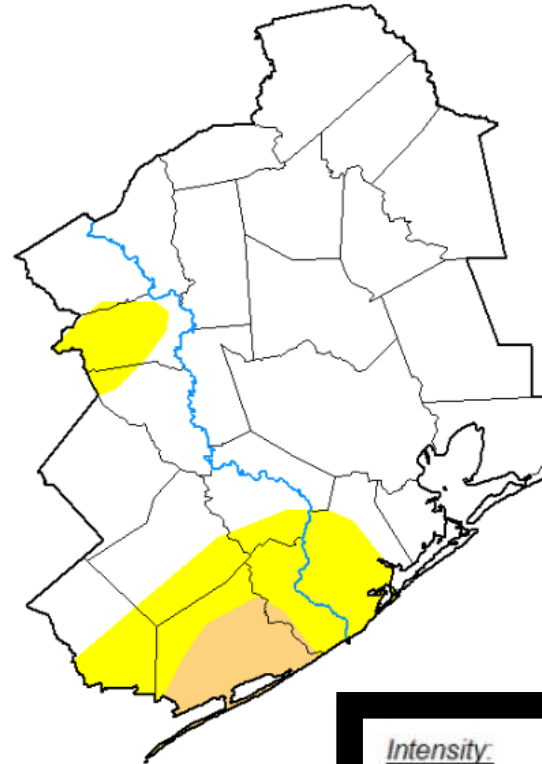
Drought Monitor

As of May 2nd

Excess rainfall led to improvements in the drought conditions across the area. There remains some Moderate Drought (D1) in coastal and central Matagorda County with some Abnormally Dry (D0) conditions in southern Jackson, Wharton, Fort Bend, and part of Brazoria county. Another section of D0 conditions are still seen in parts of Burleson, Austin, and Washington counties.

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

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



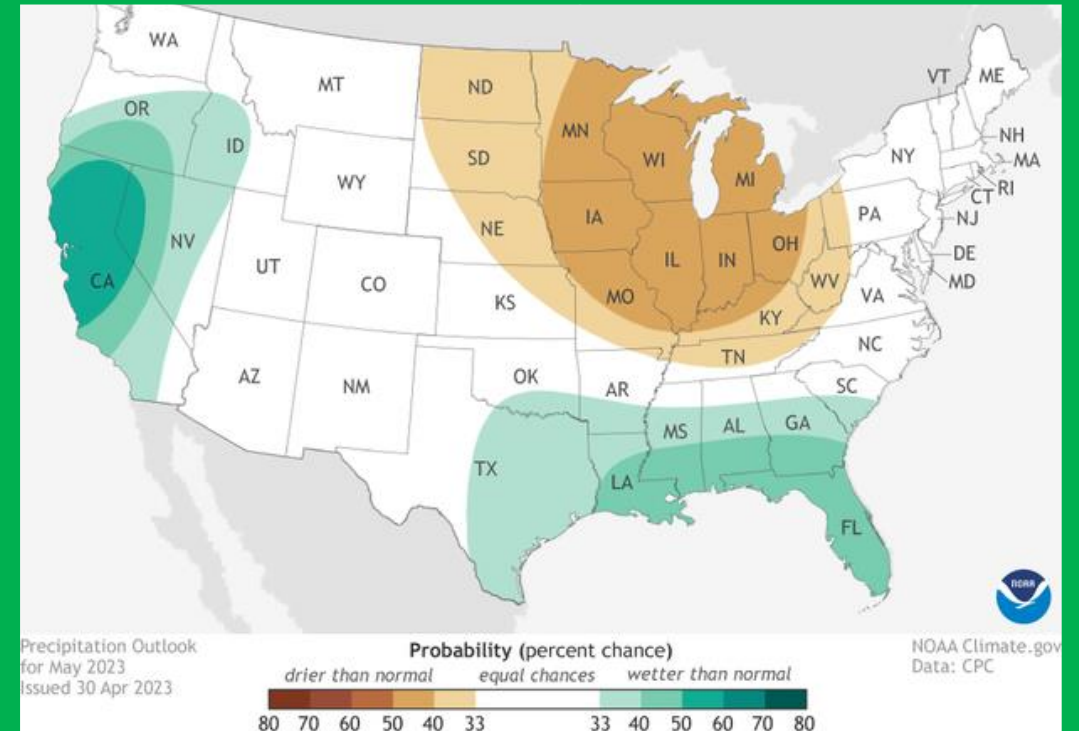
Intensity:

None	D2 Severe Drought
D0 Abnormally Dry	D3 Extreme Drought
D1 Moderate 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>

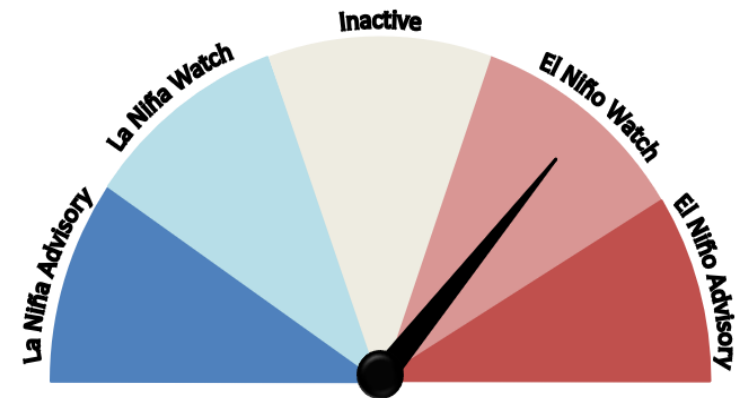
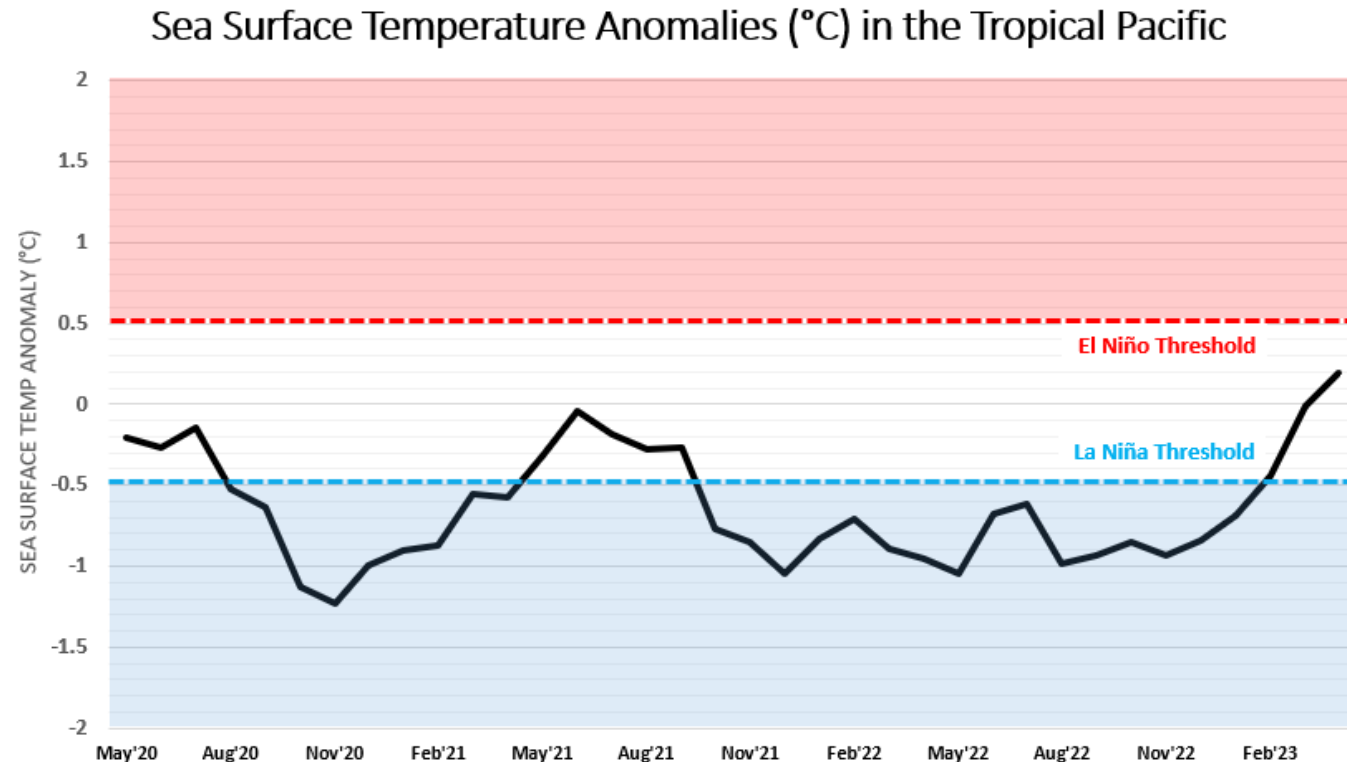
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Location	Normal Monthly Precipitation (in.)
Galveston	3.04
Houston Hobby	5.42
City of Houston	5.01
College Station	4.60
Palacios	3.86



The Climate Prediction Center's ENSO Forecast: **El Niño Watch**

- ENSO-neutral conditions are expected to continue through the spring, followed by a 62% chance of El Niño developing during May-July 2023



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

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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.

