

NWS Houston, Texas April 2022 Regional Climate Summary

Produced by Jimmy Fowler

...Well above normal temperatures with a variety of precipitation anomalies across the area...

April 2022 was an exceptionally warm month for most of the area with average temperatures between three and five degrees above normal. City of College Station had its seventh warmest April on record, Houston-Hobby had its fourth, and Galveston (with records going back to 1871) experienced its warmest April on record. There was not much precipitation experienced during the month on April except on 25th when some slow moving thunderstorms were able to produce two to four inches of rain across the northern portions of the region. This single day was responsible for 87% of the month total for the City of Houston, 90% at both Houston-Hobby and Galveston, and 95% at the City of College Station. During this heavy rain event, the southeastern portions of the region were not as lucky to experience rainfall (Palacios experienced its third driest April on record, with records going back to 1943). Because of this continued lack of rainfall, Extreme Drought conditions have begun to develop across portions of Jackson, Matagorda, and Chambers counties.

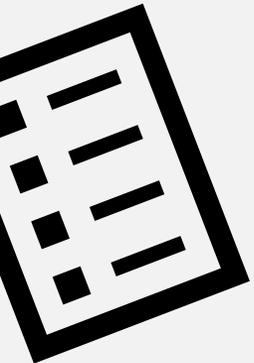
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By the Numbers: April 2022

Location (records started)	Average Temp	Ranking	Total Rainfall	Ranking
City of Houston, TX (1888)	72.8°F	13 th Warmest	1.99"	42 nd Driest
Houston Hobby, TX (1930)	73.9°F	4 th Warmest	1.72"	27 th Driest
City of Galveston, TX (1871)	75.5°F	Warmest on Record	2.01"	70 th Driest
City of College Station, TX (1882)	72.9°F	7 th Warmest	2.75"	58 th Driest
Conroe, TX (1997)	69.9°F	8 th Warmest	2.85"	11 th Wettest
Huntsville, TX (1997)	72.7°F	2 nd Warmest	3.73"	7 th Wettest
Sugar Land, TX (2000)	75.4°F	Warmest on Record	1.45"	5 th Driest
Palacios, TX (1943)	74.4°F	3 rd Warmest	0.05"	3 rd Driest
Clover Field (Pearland), TX (1997)	73.0°F	6 th Warmest	1.08"	5 th Driest
David Wayne Hooks (Tomball), TX (1998)	73.0°F	4 th Warmest	2.51"	12 th Driest
Angleton, TX (1998)	73.7°F	Warmest on Record	1.16"	9 th Driest
League City, TX (1990)	72.0°F	5 th Warmest	0.68"	5 th Driest



Precipitation

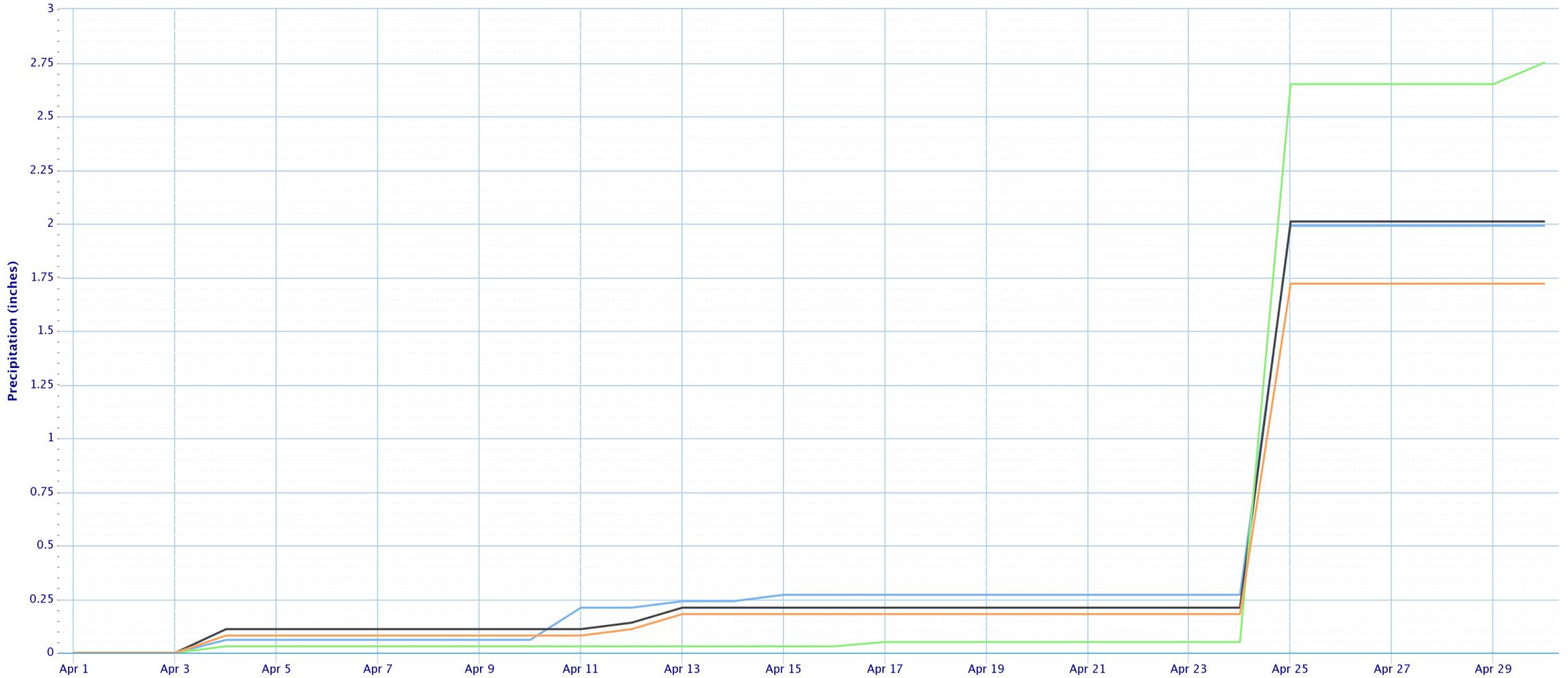
Location	Total Precipitation (in.)	Departure from Normal (in.)	Number of Thunder Days	Maximum Daily Precipitation (in./date)	
Galveston (GLS)	2.01	-0.05	2	1.80	25 th
Houston Hobby (HOU)	1.72	-0.08	3	1.54	25 th
City of Houston (IAH)	1.99	-0.06	2	1.72	25 th
College Station (CLL)	2.75	-0.12	2	2.60	25 th



Precipitation Accumulation Graph

Accumulated Precipitation

Green/black diamonds represent subsequent/missing values



City of Houston

City of Galveston

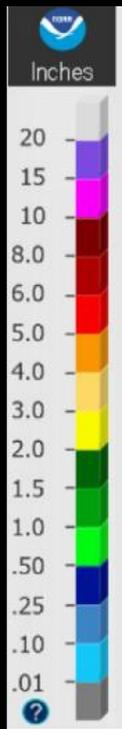
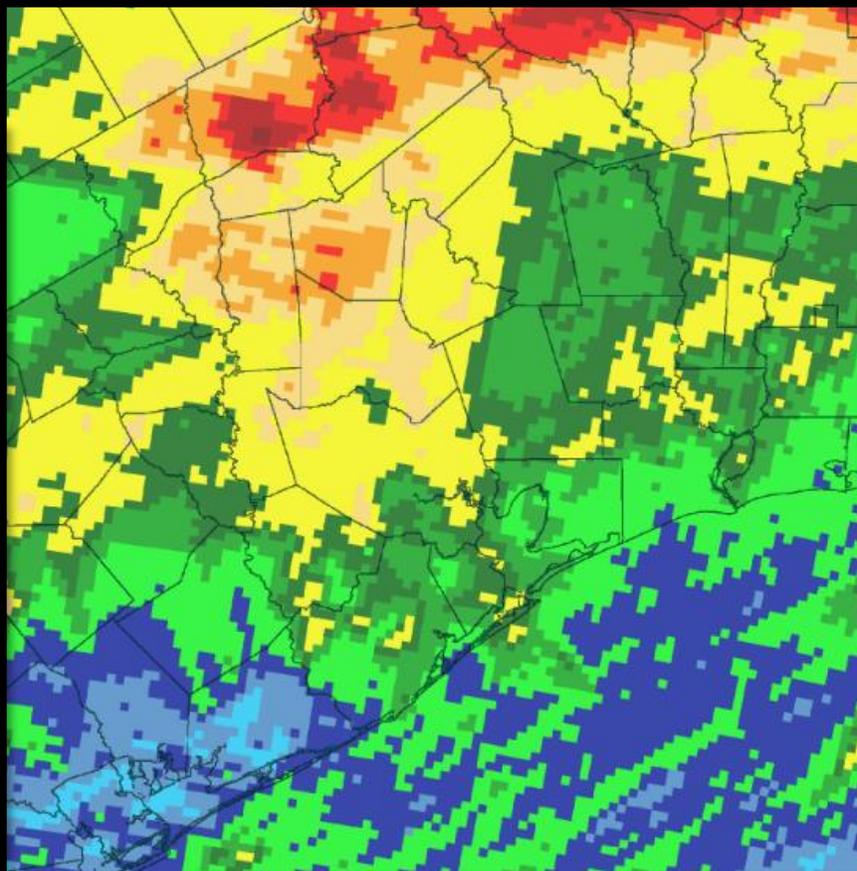
City of College Station

Houston-Hobby

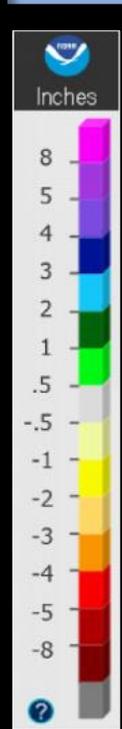
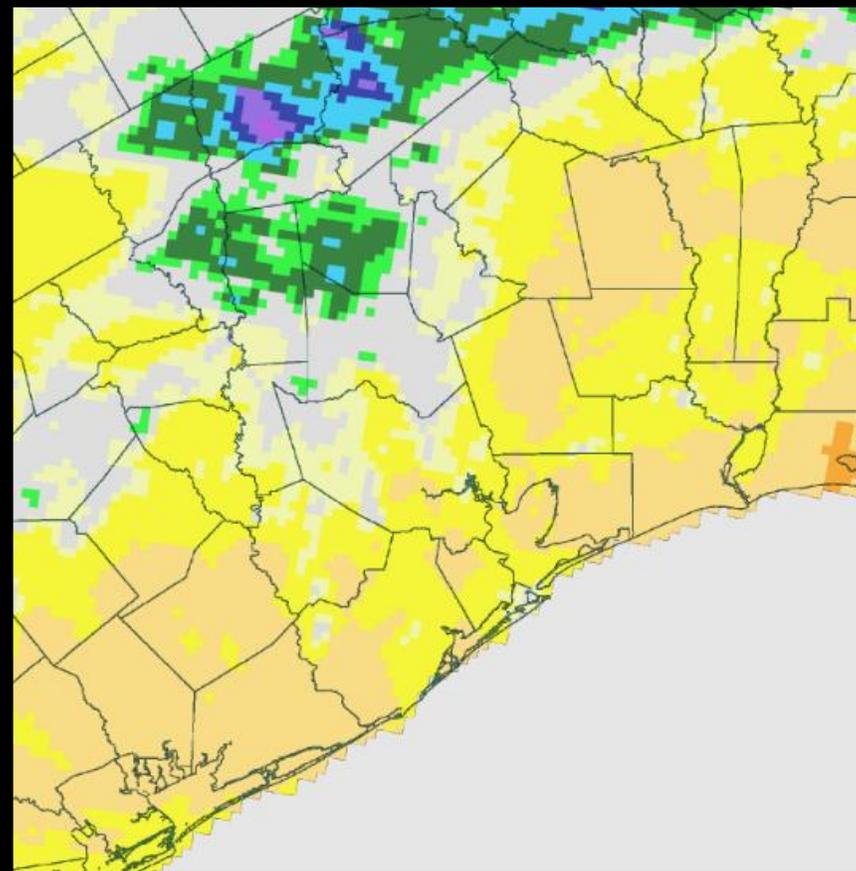


Precipitation Maps

April Total Precipitation



April Precipitation Departure from Normal

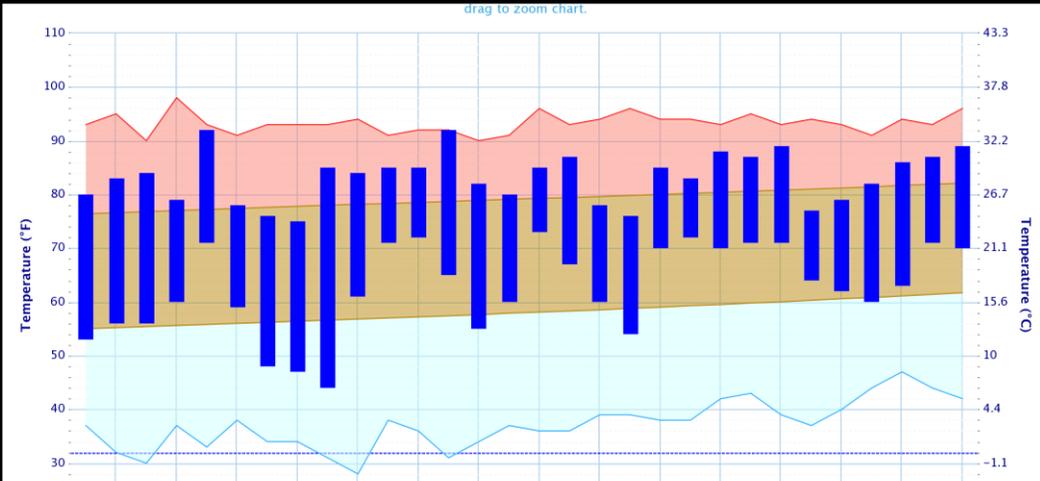


Temperature

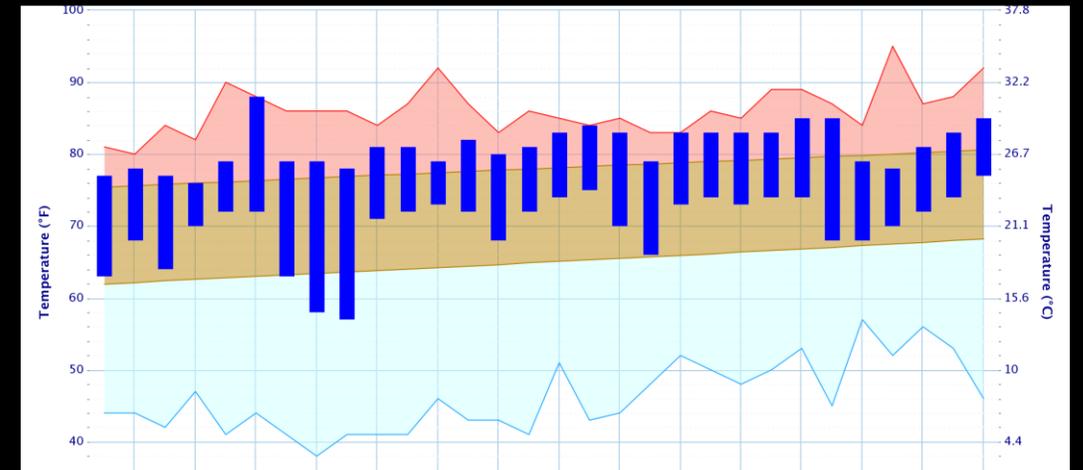
Location	Average High Temp (F)	Average Low Temp (F)	Average Temp (F)	Normal Average Temp (F)	Departure From Normal Average (F)	Maximum Temperature (F)	Minimum Temperature (F)
Galveston (GLS)	81.1	69.9	75.5	71.5	+4.0	88 on the 6 th	57 on the 9 th
Houston Hobby (HOU)	82.6	65.2	73.9	70.5	+3.4	88 on the 30 th	47 on the 9 th
City of Houston (IAH)	82.6	63.0	72.8	70.0	+2.8	90 on the 5 th	44 on the 9 th
College Station (CLL)	83.3	62.5	72.9	68.7	+4.2	92 on the 5 th & 13 th	44 on the 9 th

Temperature Charts

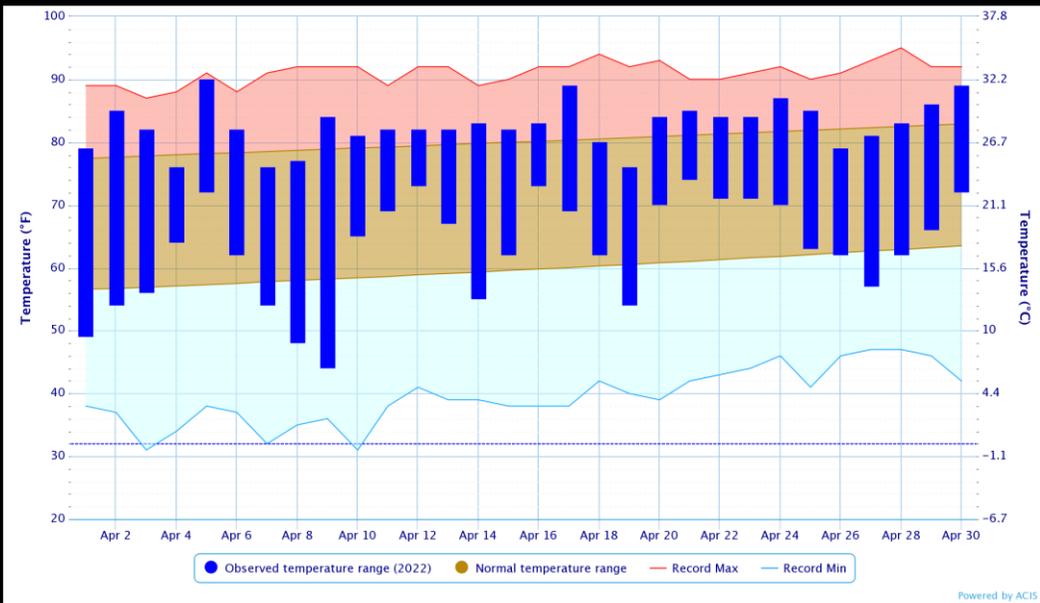
City of College Station



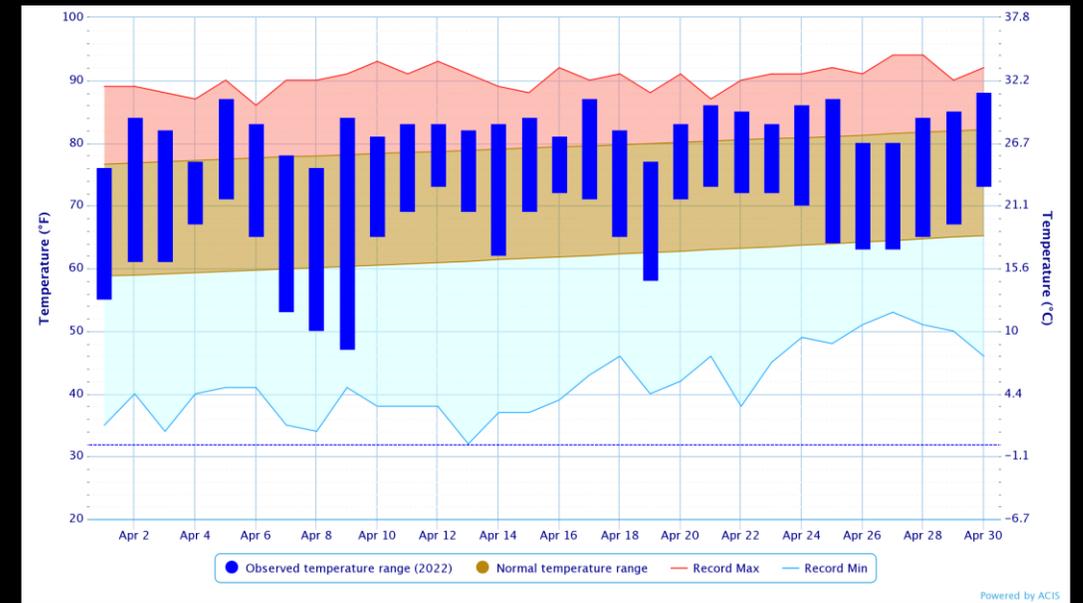
City of Galveston



City of Houston



Houston-Hobby



Daily Record Reports

Site	Date	Record Type	New Record	Previous Record
City of College Station	April 5 th	High Minimum Temp	71° - T	92° in 1986
City of College Station	April 13 th	High Maximum Temp	92° - T	92° in 1996
City of College Station	April 16 th	High Minimum Temp	73° - T	92° in 1982
City of College Station	April 25 th	Daily Record Precip	2.60"	2.03" in 1948
City of Houston	April 5 th	High Minimum Temp	72° - T	69° in 1965
Houston-Hobby	April 5 th	High Minimum Temp	71° - T	71° in 2001
Houston-Hobby	April 12 th	High Minimum Temp	73° - T	73° in 1991
Houston-Hobby	April 21 st	High Minimum Temp	73° - T	73° in 2011
City of Galveston	April 5 th	High Minimum Temp	72° - T	72° in 1935
City of Galveston	April 6 th	High Minimum Temp	72° - T	72° in 2020

There were
15 daily
records set
during the
month of
April.



High Max

Low Max

Precip

Snow

High Min

Low Min



Key

Daily Record Reports

Site	Date	Record Type	New Record	Previous Record
City of Galveston	April 6 th	High Maximum Temp	88°	84° in 1930
City of Galveston	April 17 th	High Maximum Temp	84°	83° in 2017
City of Galveston	April 17 th	High Minimum Temp	75° - T	75° in 1967
City of Galveston	April 20 th	High Maximum Temp	83° - T	83° in 2017
City of Galveston	April 30 th	High Minimum Temp	77°	76° in 1967

There were 15 daily records set during the month of April.



Key

High Max

Low Max

Precip

Snow

High Min

Low Min

Drought Monitor

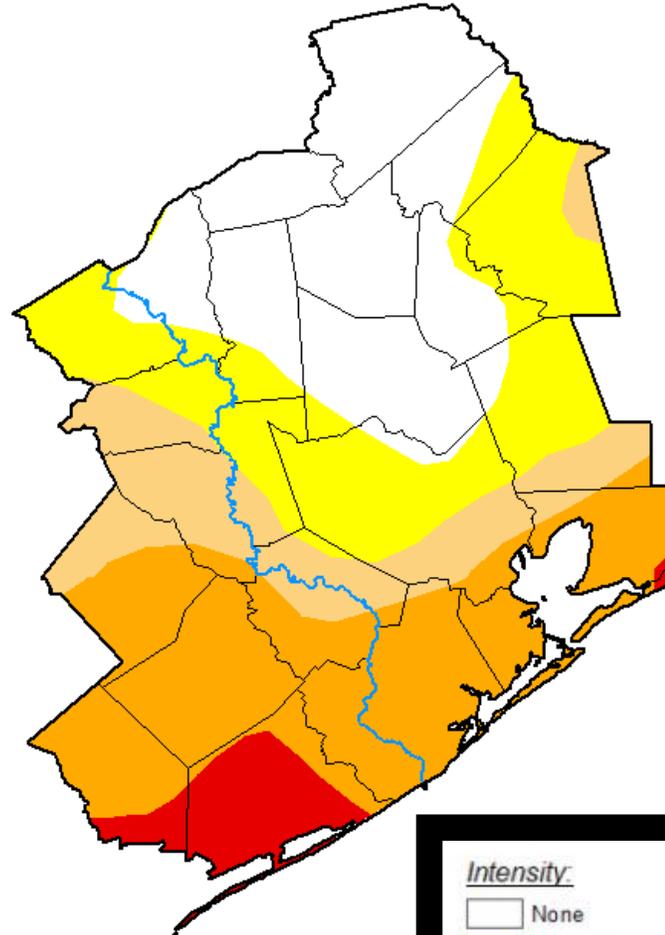
As of March 29th

Decent rainfall across the top third of the region on April 25th helped alleviate drought conditions north of Conroe. However, little to almost no rainfall fell across the southeast near Matagorda Bay. This has resulted in the emergence of D3 – Extreme Drought in portions of Jackson and Matagorda counties. A small section of southeastern Chambers County is also in Extreme Drought.

U.S. Drought Monitor

Houston/Galveston, TX WFO

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



Intensity:

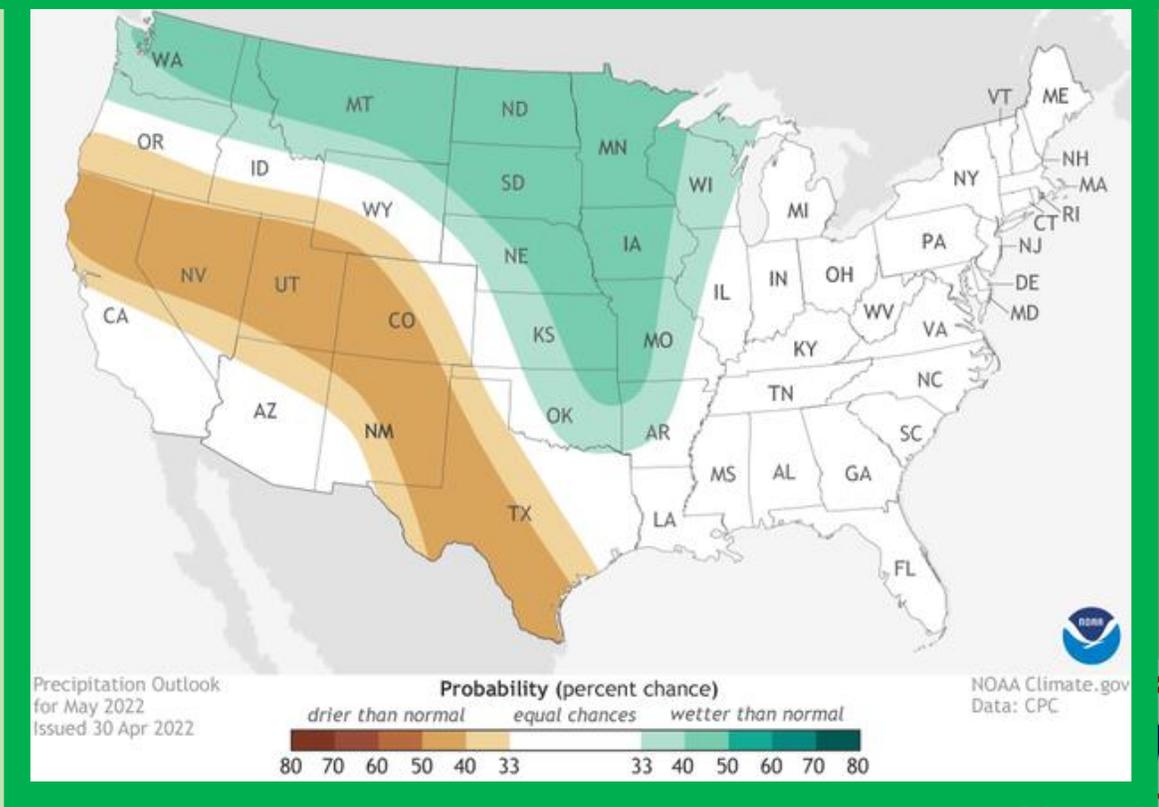
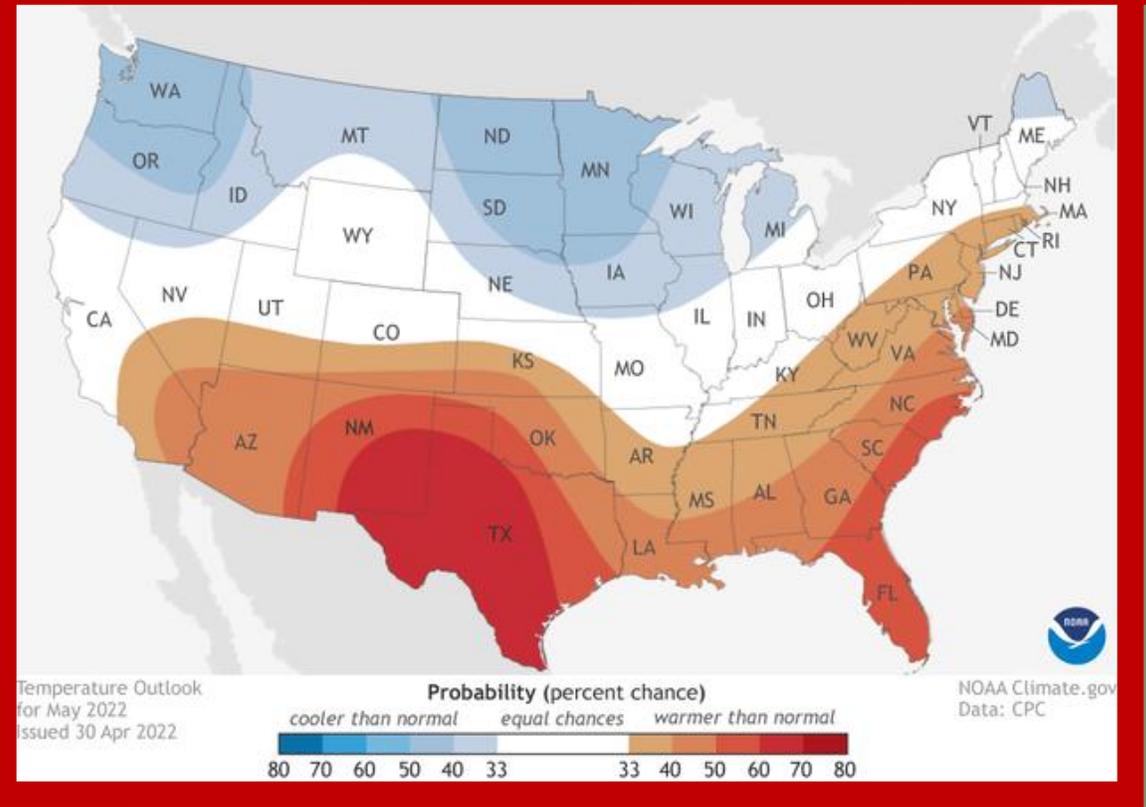
	None		D2 Severe Drought
	D0 Abnormally Dry		D3 Extreme Drought
	D1 Moderate Drought		D4 Exceptional Drought

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>

May Outlook

Location	Average Temp(°F)	Normal High (°F)	Normal Low (°F)
Galveston	78.2	84.0	72.4
Houston Hobby	77.6	85.9	69.3
City of Houston	77.4	86.9	67.8
College Station	76.4	86.3	66.4

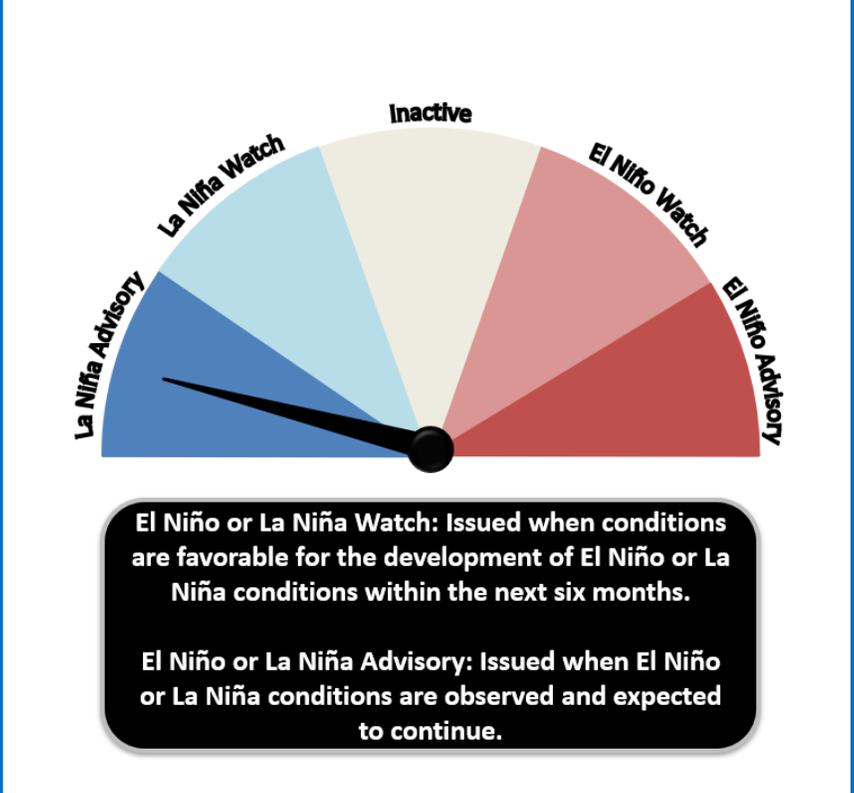
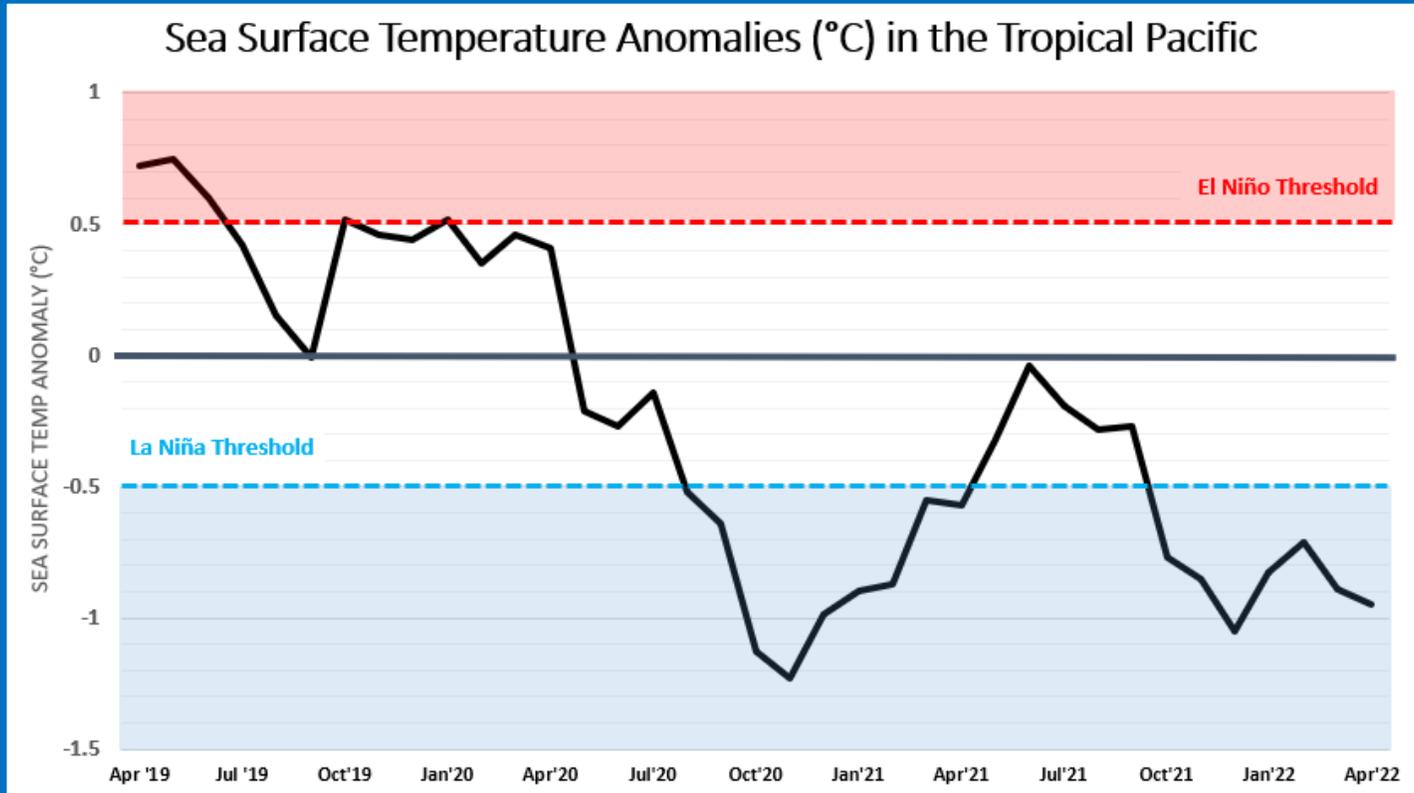
Location	Normal Monthly Precipitation (in.)
Galveston	3.04
Houston Hobby	5.42
City of Houston	5.01
College Station	4.60



Current ENSO Phase: **La Niña**

The Climate Prediction Center's ENSO Forecast: **La Niña Advisory**

- La Niña conditions are expected to continue with 59% chance through the Summer, and then 50-55% chance of La Niña through the fall.



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).

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. Normal temperatures are calculated from 1981 to 2000 period.

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 .

Houston Hobby (HOU)

Records are based upon observations beginning in August 1931.

