

NWS Houston, Texas March 2022 Regional Climate Summary

Produced by Jimmy Fowler

...Slightly cooler than normal month with variable precipitation...

...Tornado Outbreak at the end of the Month...

The first few weeks of March experienced below average precipitation and temperatures. A few cold fronts moved through the region during the month bringing isolated moisture and continued cool weather. Strong thunderstorms moved through the area during the overnight hours between the 21st and 22nd producing locally heavy rainfall for areas north of I-10 (City of Houston saw about 50% of the monthly total precipitation during this event) and also produced seven tornadoes.

Photo Credit:
NWS HGX Meteorologist
Jimmy Fowler

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By the Numbers: March 2022

Location (records started)	Average Temp	Ranking	Total Rainfall	Ranking
City of Houston, TX (1888)	62.0°F	58 th Coolest	2.87"	57 th Wettest
Houston Hobby, TX (1930)	63.1°F	51 st Coolest	2.46"	51 st Driest
City of Galveston, TX (1871)	65.2°F	33 rd Warmest	1.29"	15 th Driest
City of College Station, TX (1882)	61.5°F	53 rd Warmest	3.56"	40 th Wettest
Conroe, TX (1997)	58.3°F	6 th Coolest	3.71"	9 th Wettest
Huntsville, TX (1997)	61.5°F	13 th Coolest	5.26"	7 th Wettest
Sugar Land, TX (2000)	64.0°F	11 th Coolest	2.10"	11 th Driest
Palacios, TX (1943)	62.8°F	36 th Coolest	1.29"	33 rd Driest
Clover Field (Pearland), TX (1997)	62.1°F	8 th Coolest	1.71"	10 th Driest
David Wayne Hooks (Tomball), TX (1998)	61.9°F	12 th Coolest	3.04"	12 th Wettest
Angleton, TX (1998)	62.1°F	9 th Coolest	1.73"	10 th Driest
League City, TX (1990)	62.0°F	13 th Coolest	3.14"	12 th Wettest



Precipitation

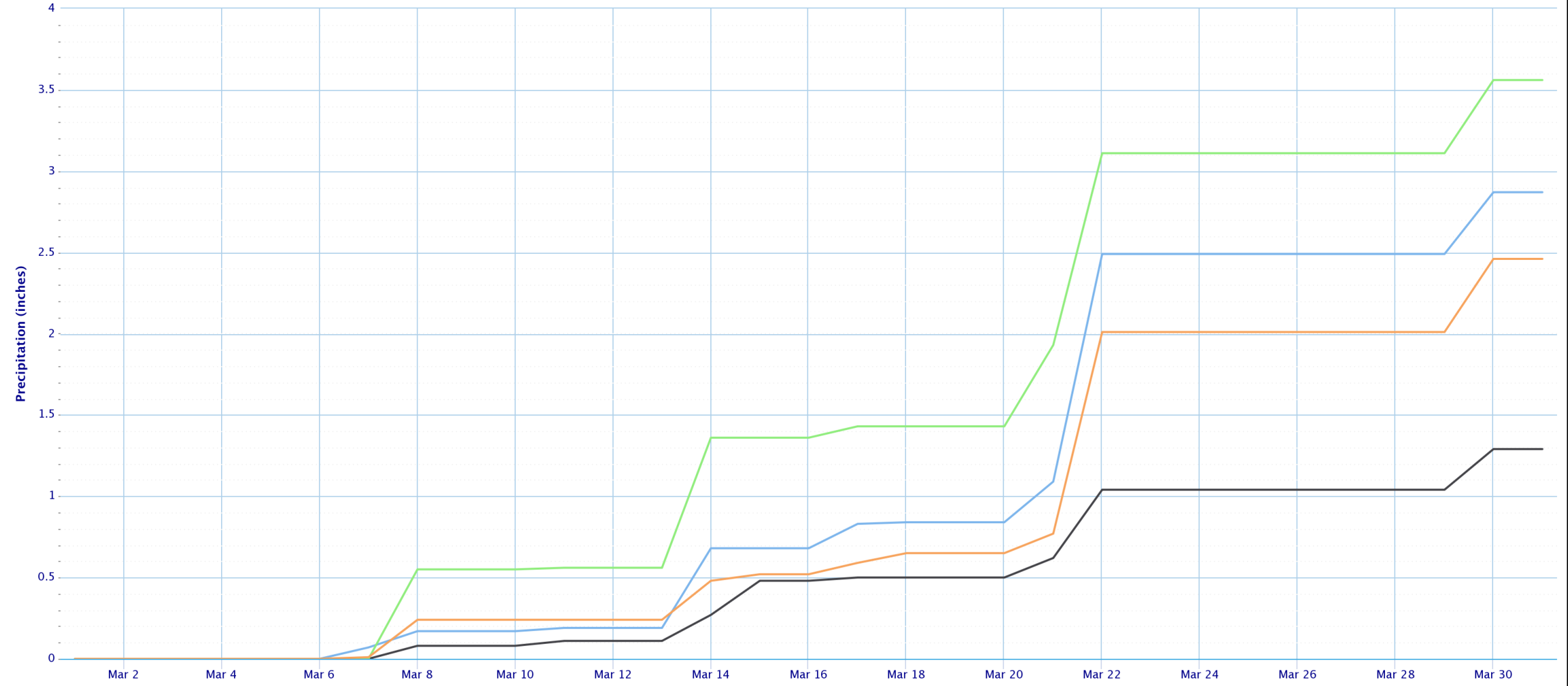
Location	Total Precipitation (in.)	Departure from Normal (in.)	Number of Thunder Days	Maximum Daily Precipitation (in./date)	
Galveston (GLS)	1.29	-1.73	3	0.42	22 nd
Houston Hobby (HOU)	2.46	-0.82	3	1.24	22 nd
City of Houston (IAH)	2.87	-0.60	4	1.40	22 nd
College Station (CLL)	3.56	+0.15	4	1.18	22 nd



Precipitation Accumulation Graph

Accumulated Precipitation

Green/black diamonds represent subsequent/missing values



City of Houston

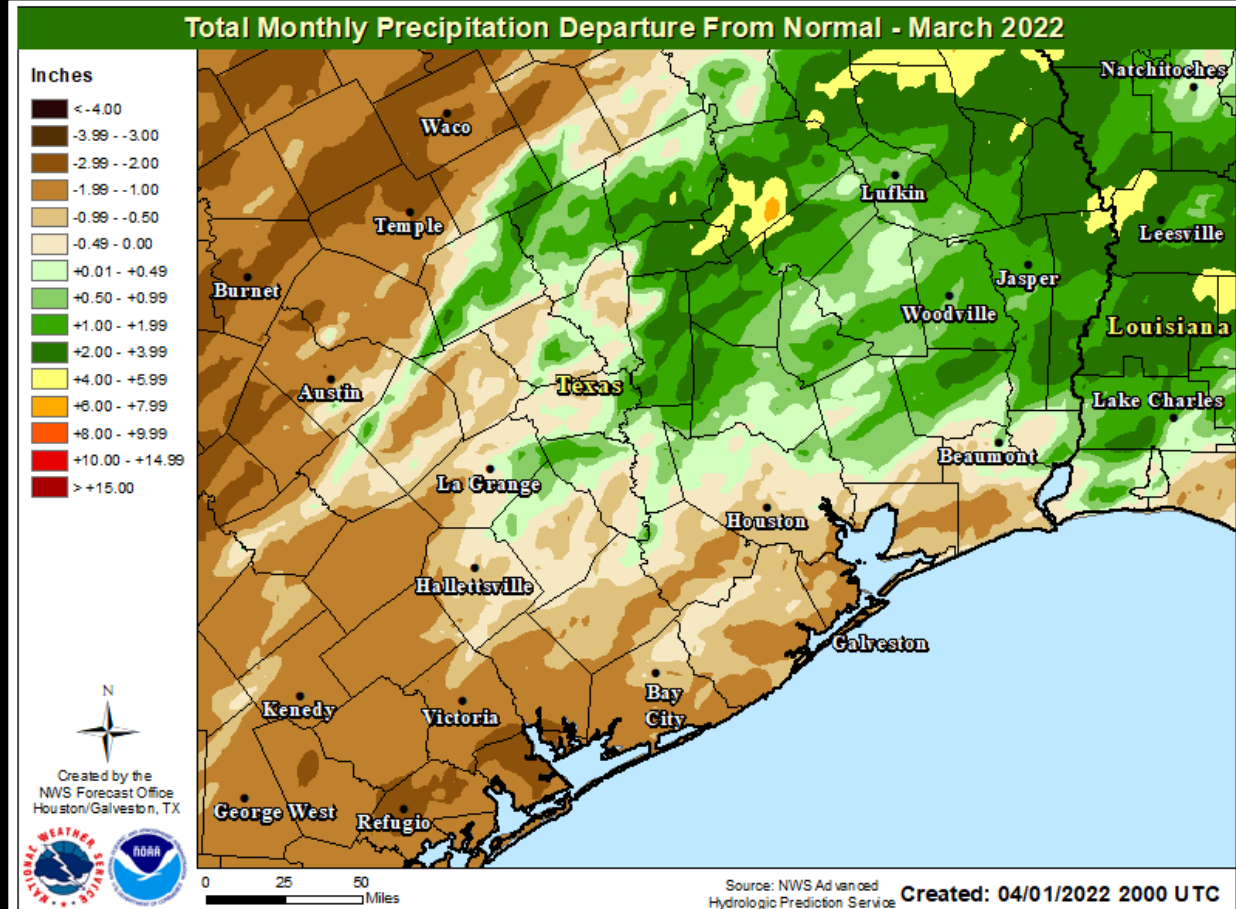
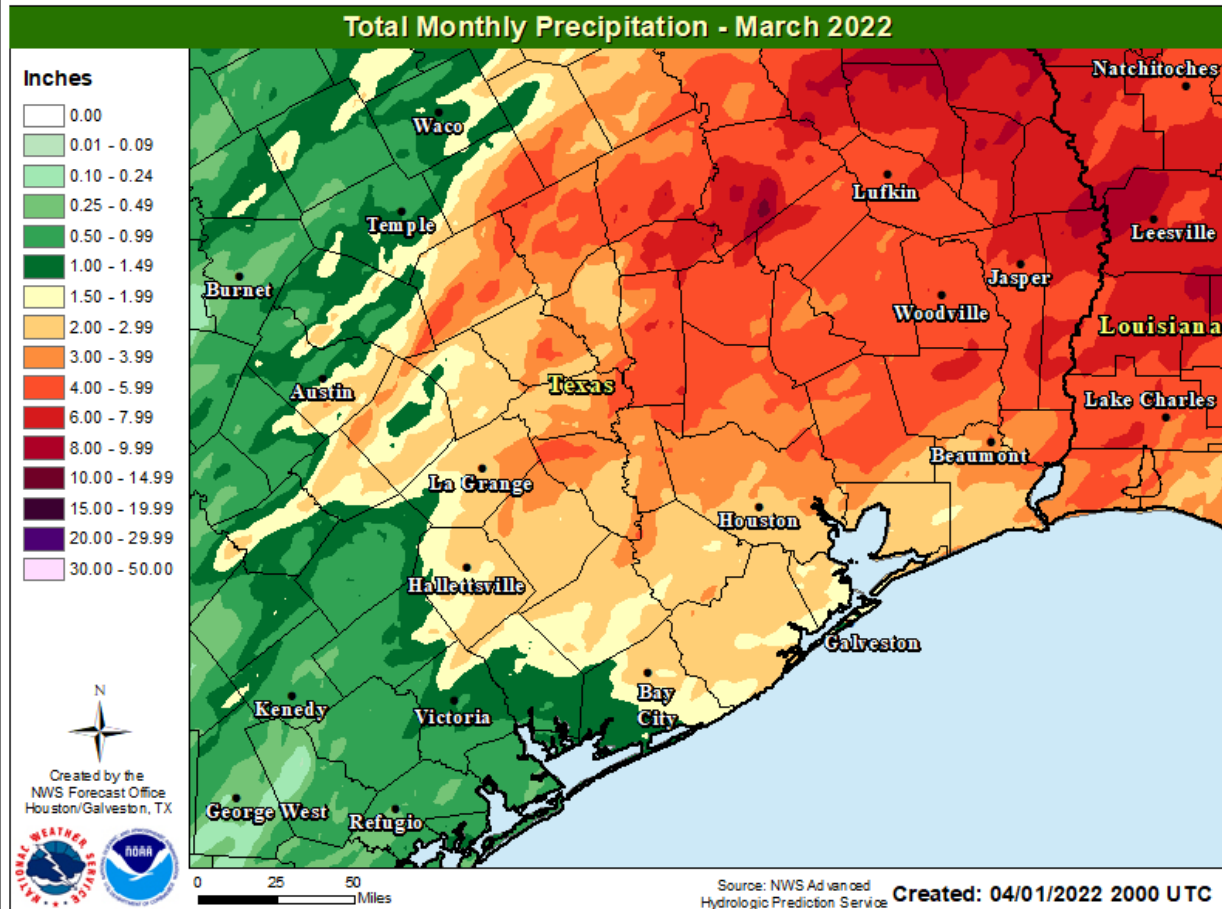
City of Galveston

City of College Station

Houston-Hobby



Precipitation Maps

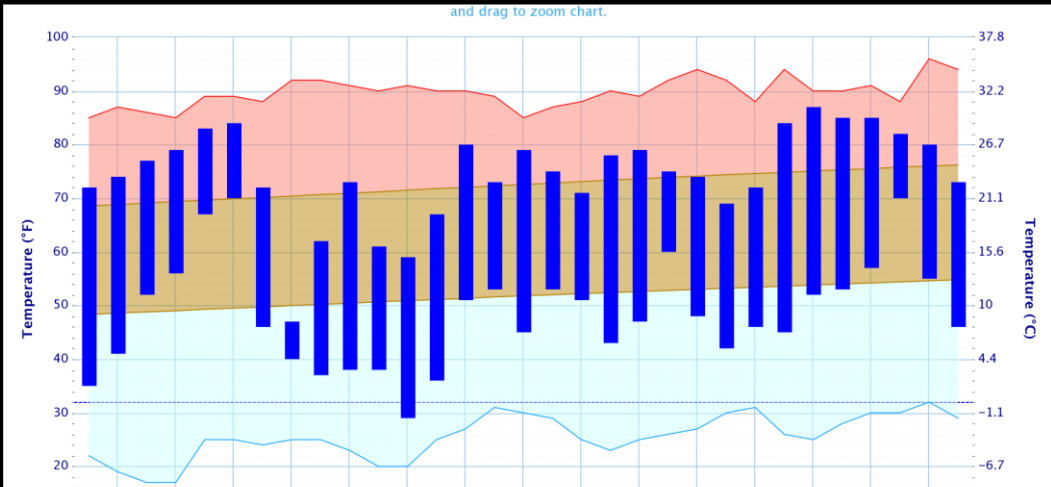


Temperature

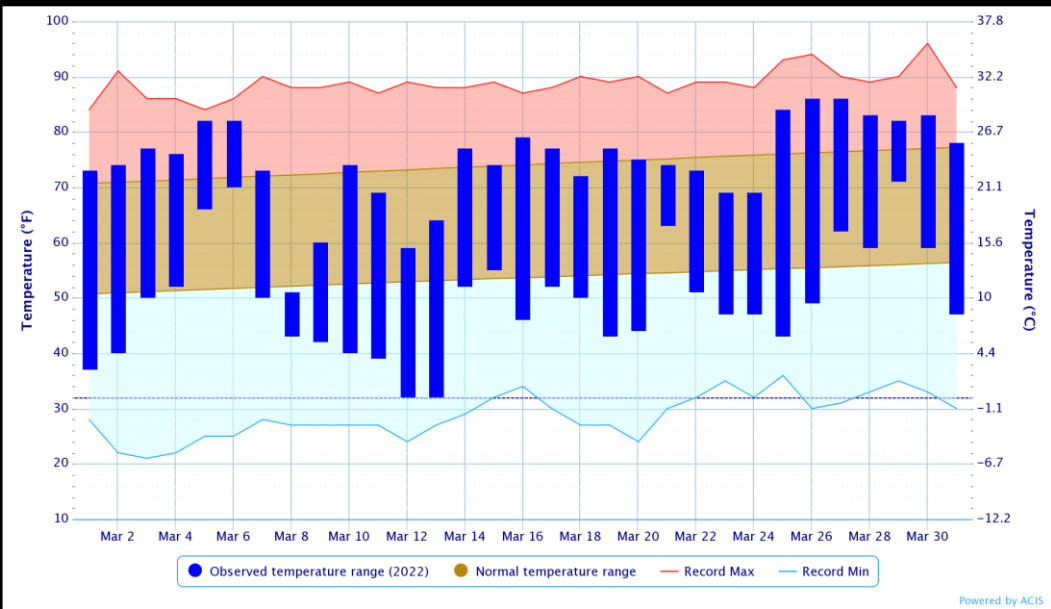
Location	Average High Temp (F)	Average Low Temp (F)	Average Temp (F)	Normal Average Temp (F)	Departure From Normal Average (F)	Maximum Temperature (F)	Minimum Temperature (F)
Galveston (GLS)	72.9	57.5	65.2	65.2	0.0	86 on the 30 th	40 on the 12 th
Houston Hobby (HOU)	74.2	51.7	63.1	64.7	-1.6	85 on the 26 th & 27 th	32 on the 12 th
City of Houston (IAH)	74.6	49.5	62.0	63.8	-1.8	86 on the 26 th & 27 th	32 on the 12 th & 13 th
College Station (CLL)	74.5	48.5	61.5	62.1	-0.6	87 on the 26 th	29 on the 12 th

Temperature Charts

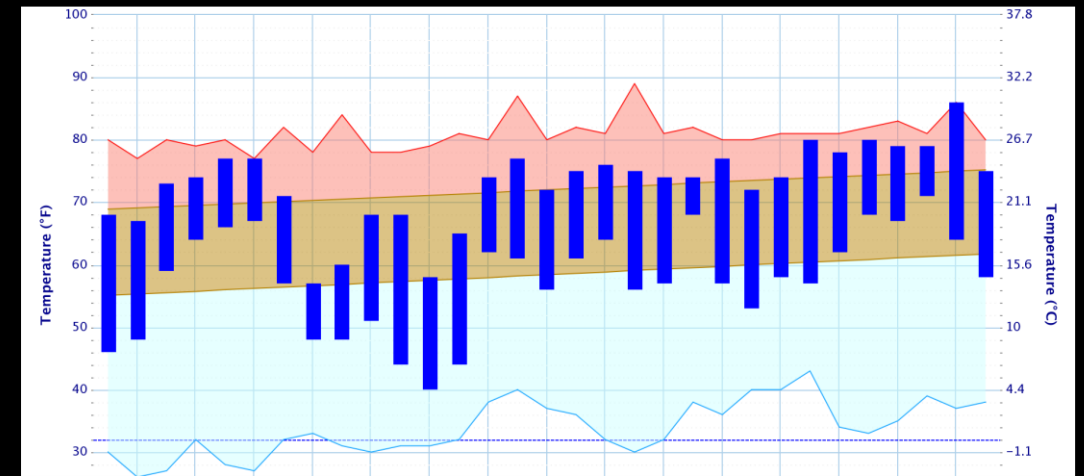
City of College Station



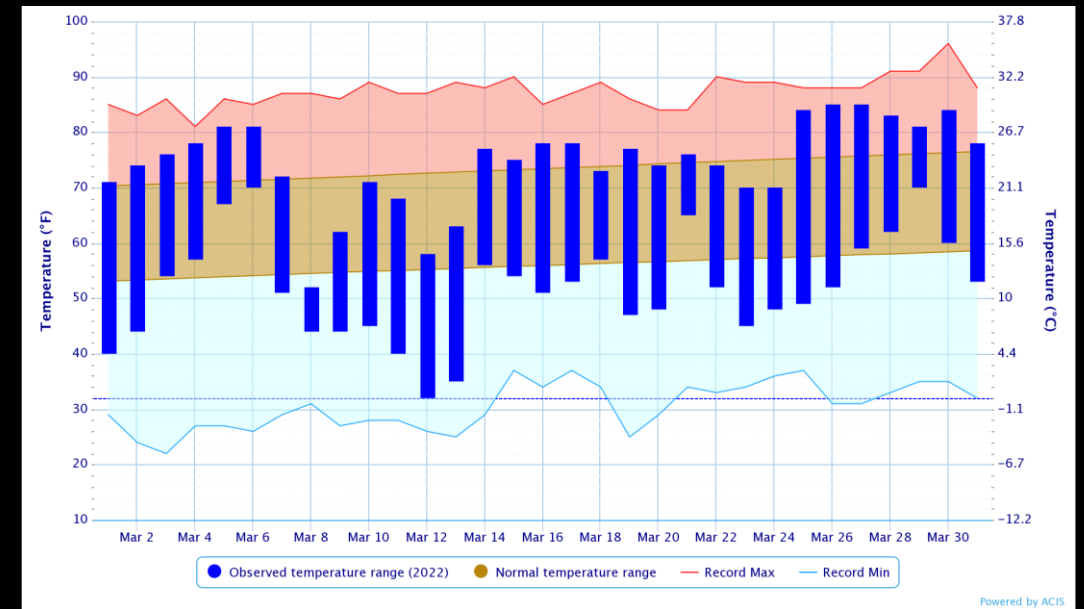
City of Houston



City of Galveston



Houston-Hobby



Daily Record Reports

Site	Date	Record Type	New Record	Previous Record
City of College Station	March 6 th	High Minimum Temp	70°	69° in 1956
City of Houston	March 6 th	High Minimum Temp	70°	69° in 2017
City of Houston	March 29 th	High Minimum Temp	71° - T	71° in 2007
Houston-Hobby	March 6 th	High Minimum Temp	70°	69° in 1961
City of Galveston	March 6 th	High Maximum Temp	77° - T	71° in 1999
City of Galveston	March 30 th	High Maximum Temp	86°	85° in 1897

There were 6 daily records set during the month of March.



Key

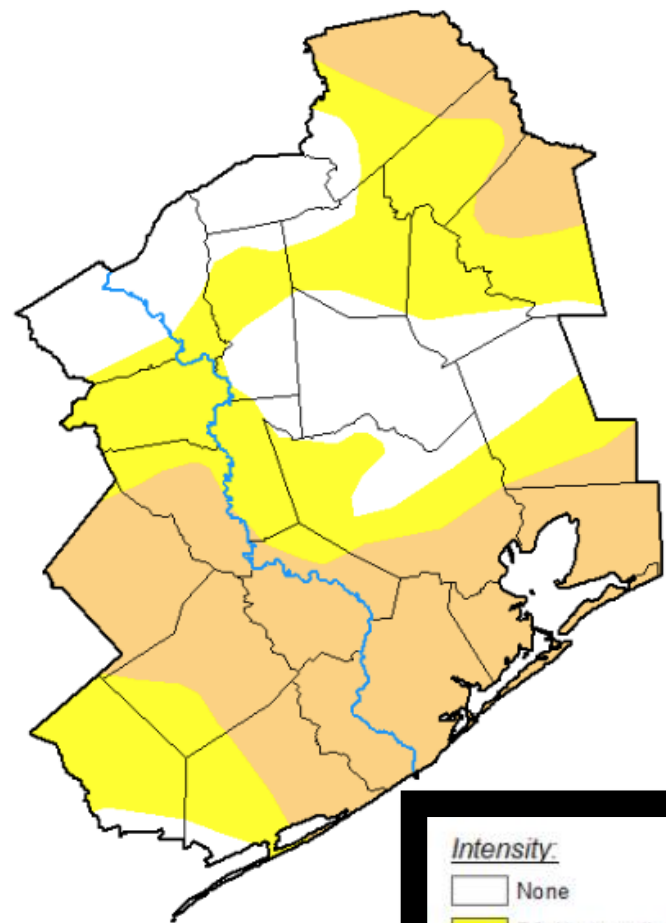
- High Max
- Low Max
- Precip
- Snow
- High Min
- Low Min

Drought Monitor

As of March 29th

A strong cold front brought one to three inches of rain across the northern half of the region that brought some drought relief to the area. Moderate Drought (D1) persists across most of the coastal region, along the southern portions of the Brazos River Basin, and the northern half of Houston, Trinity, and Polk counties. Abnormally Dry (D0) conditions also continue for portions of Jackson, Waller, Austin, Harris, Grimes, Walker, and San Jacinto 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

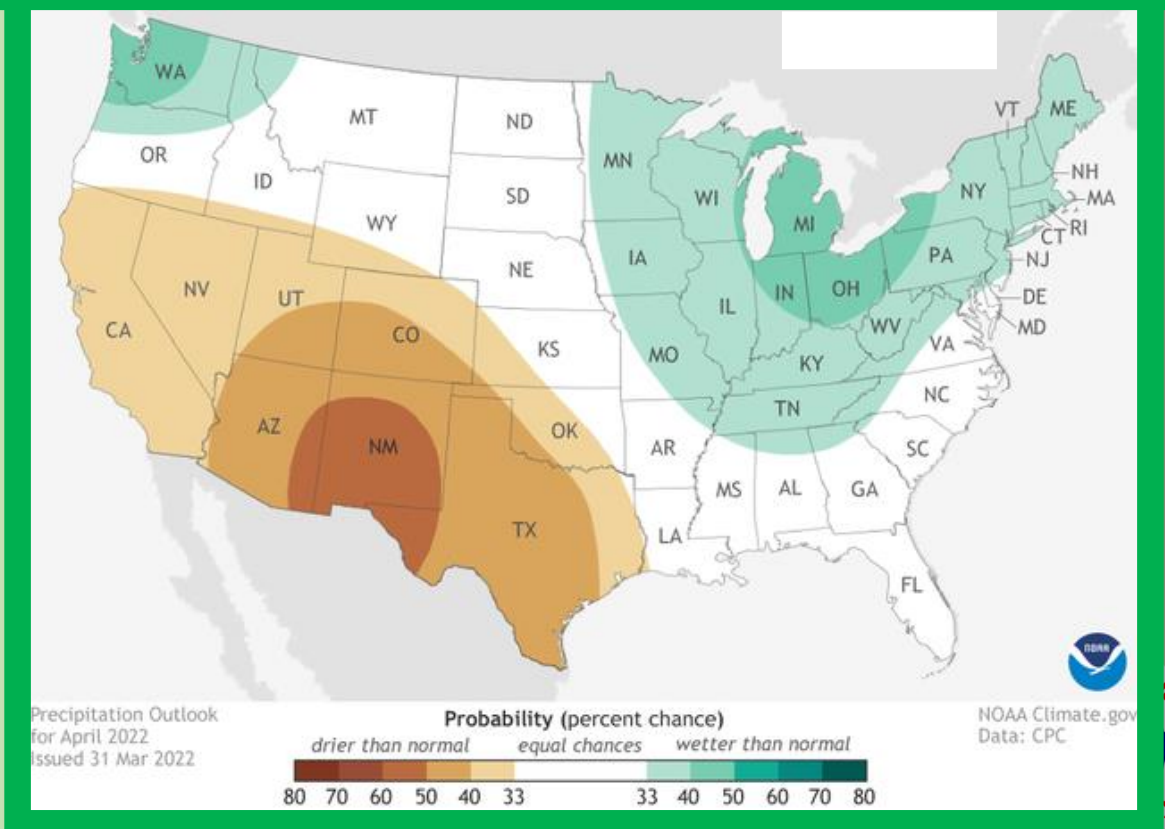
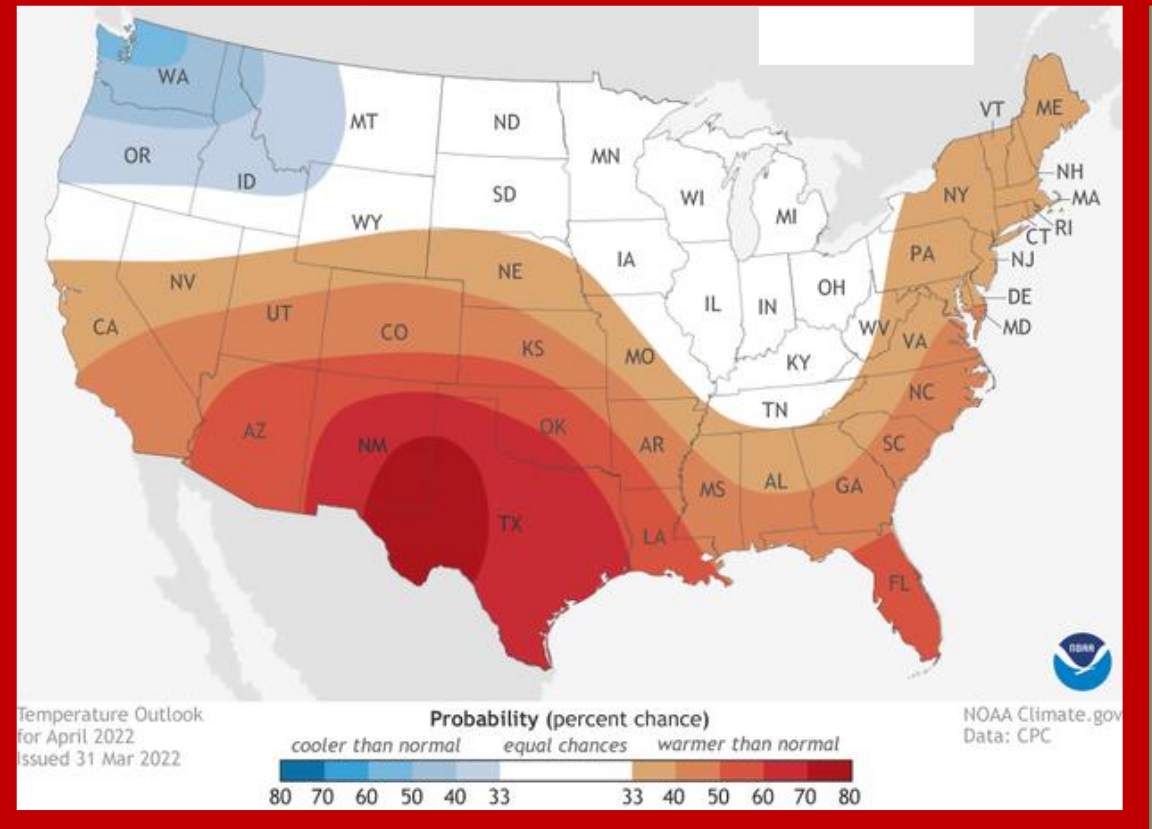
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>



April Outlook

Location	Average Temp(°F)	Normal High (°F)	Normal Low (°F)
Galveston	71.5	78.0	65.0
Houston Hobby	70.5	79.3	61.8
City of Houston	70.0	80.1	53.6
College Station	68.7	79.2	58.1

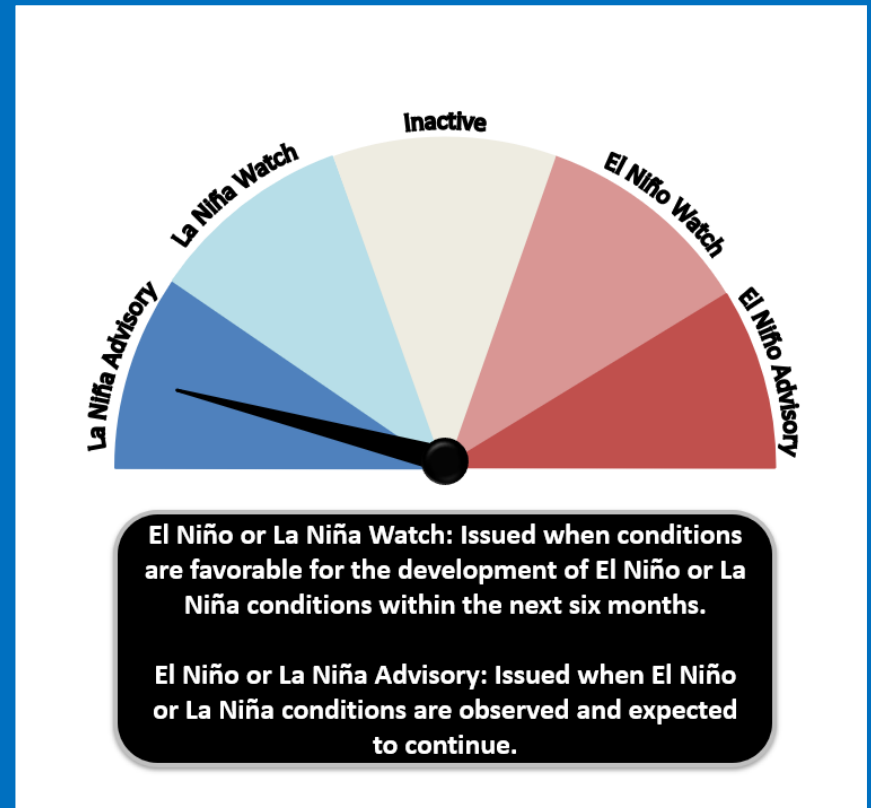
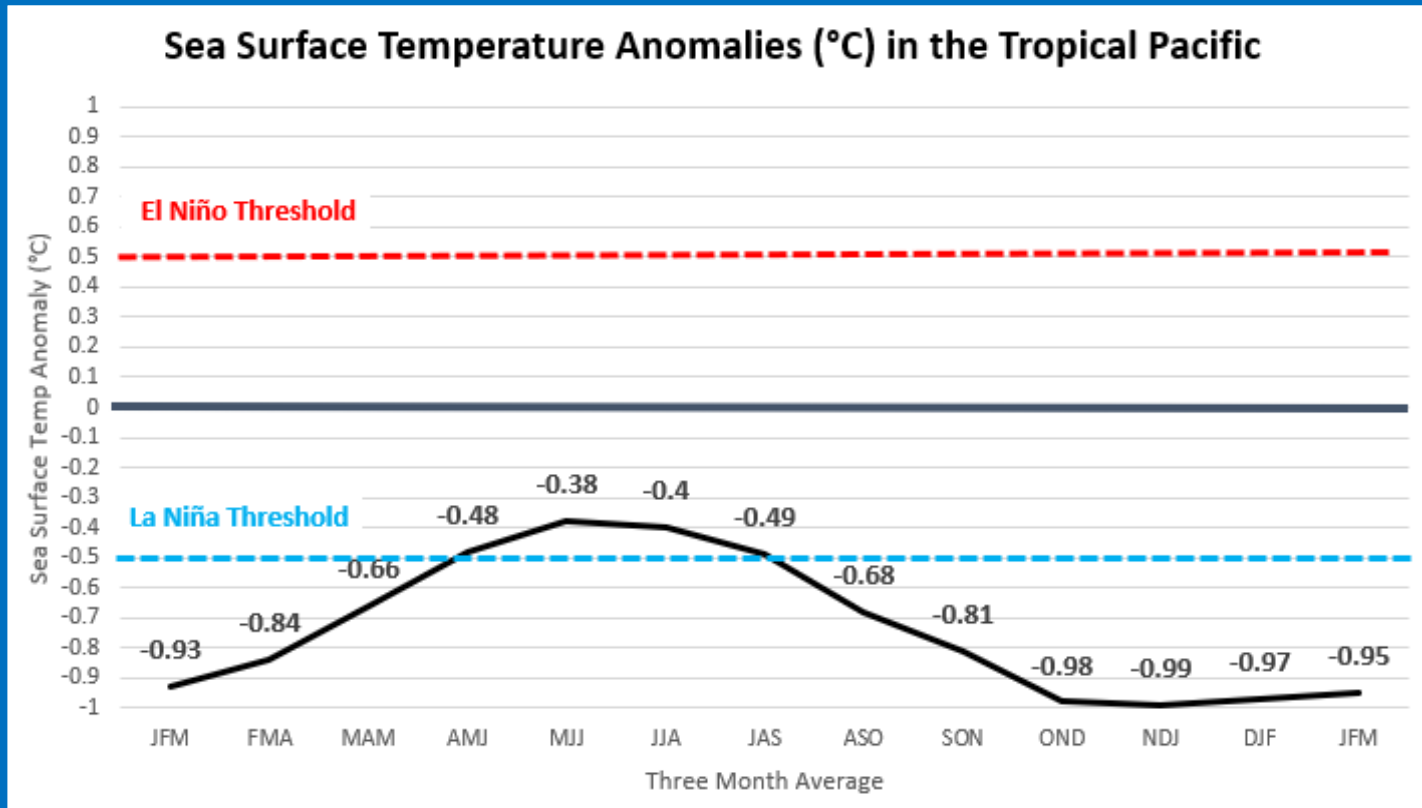
Location	Normal Monthly Precipitation (in.)
Galveston	2.06
Houston Hobby	4.08
City of Houston	3.95
College Station	2.87



Current ENSO Phase: **La Niña**

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

- La Niña conditions are expected to continue with 53% chance through the Summer, and then 40-50% chance of ENSO-Neutral thereafter.



March 21 – 22 Tornado Outbreak

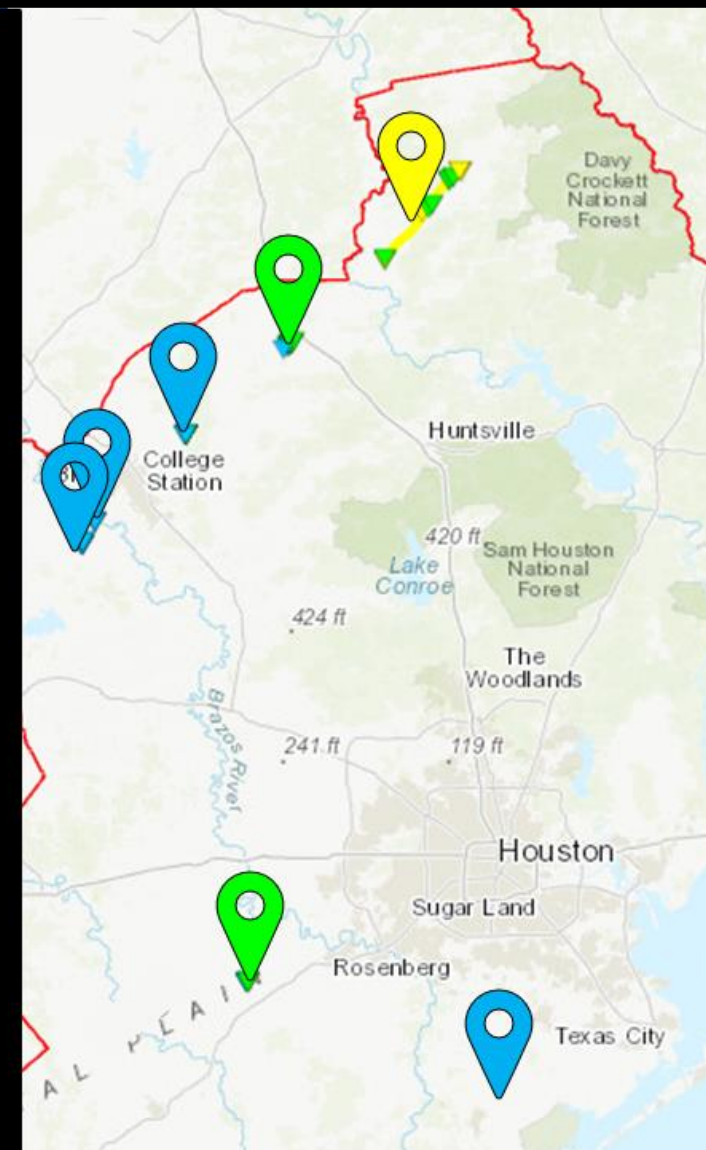


Preliminary Storm Information

3/21/2022 – 3/22/2022

Seven Tornadoes Identified during this Event:

- EF0 in Snook:
 - 08:35 PM - 08:36 PM CDT
- EF0 NE of Snook:
 - 8:40 PM CDT
- EF1 E of Wixon Valley:
 - 9:05 PM - 9:05 PM CDT
- EF1 in Madisonville:
 - 9:35 PM - 9:42 PM CDT
- EF2 in Crockett:
 - 10:10 PM - 10:30 PM CDT
- EF1 in Beasley:
 - 5:35 AM - 5:37 AM CDT
- EF0 in Danbury:
 - 7:21 AM CDT



More info available at www.weather.gov/hgx/20220321-tornadooutbreak

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.

