



NWS Houston, Texas February 2022 Regional Climate Summary

Produced by Jimmy Fowler



...Cold and Dry February...

This past February ended up cooler and drier than normal with average temperatures running around four to six degrees below normal and one to two inches of precipitation below normal. Even though we experienced a much cooler than normal month on average, we only set three daily temperature records and two of those were related to record warm temperatures. The continued dry weather did result in drought degradation for the region.

Photo Credit:
NWS HGX Meteorologist
Jimmy Fowler

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By the Numbers: February 2022

Location (records started)	Average Temp	Ranking	Total Rainfall	Ranking
City of Houston, TX (1888)	51.9°F	22 nd Coolest	1.23"	23 rd Driest
Houston Hobby, TX (1930)	52.8°F	13 th Coolest	0.78"	9 th Driest
City of Galveston, TX (1871)	56.0°F	64 th Coolest	0.68"	15 th Driest
City of College Station, TX (1882)	49.6°F	21 st Coolest	2.28"	59 th Driest
Conroe, TX (1997)	48.1°F	2 nd Coolest	1.53"	10 th Driest
Huntsville, TX (1997)	50.1°F	5 th Coolest	1.58"	6 th Driest
Sugar Land, TX (2000)	53.5°F	4 th Coolest	0.51"	Driest
Palacios, TX (1943)	52.4°F	8 th Coolest	0.62"	13 th Driest
Clover Field (Pearland), TX (1997)	52.7°F	3 rd Coolest	0.79"	5 th Driest
David Wayne Hooks (Tomball), TX (1998)	51.1°F	4 th Coolest	1.25"	8 th Driest
Angleton, TX (1998)	53.4°F	4 th Coolest	0.81"	9 th Driest
League City, TX (1990)	52.4°F	3 rd Warmest	1.30"	8 th Driest



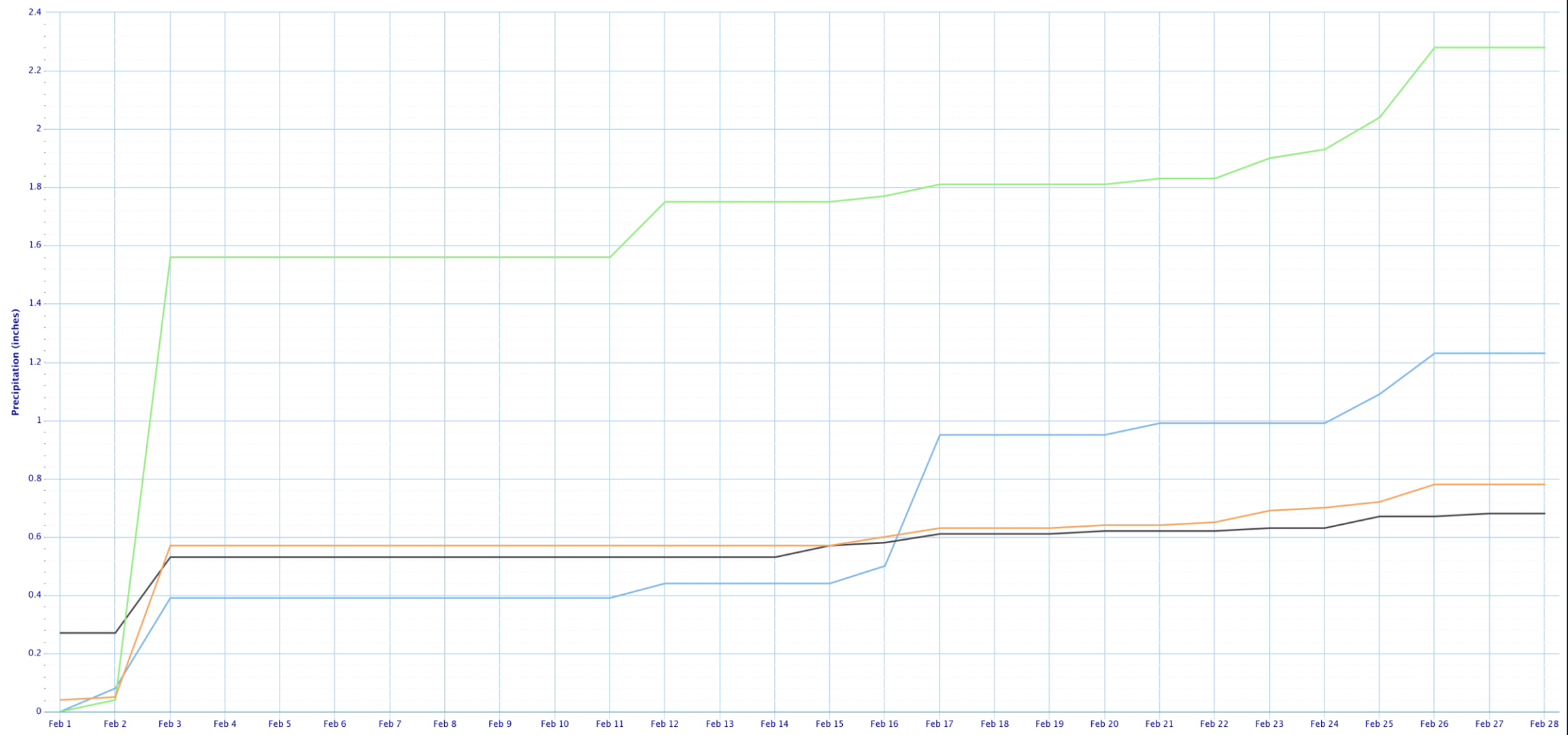
Precipitation

Location	Total Precipitation (in.)	Departure from Normal (in.)	Number of Thunder Days	Maximum Daily Precipitation (in./date)	
Galveston (GLS)	0.68	-1.46	1	0.27	1 st
Houston Hobby (HOU)	0.78	-2.07	1	0.52	3 rd
City of Houston (IAH)	1.23	-1.74	1	0.45	17 th
College Station (CLL)	2.28	-0.62	1	1.09	17 th

Precipitation Accumulation Graph

Accumulated Precipitation

Green/black diamonds represent subsequent/missing values



City of Houston

City of Galveston

City of College Station

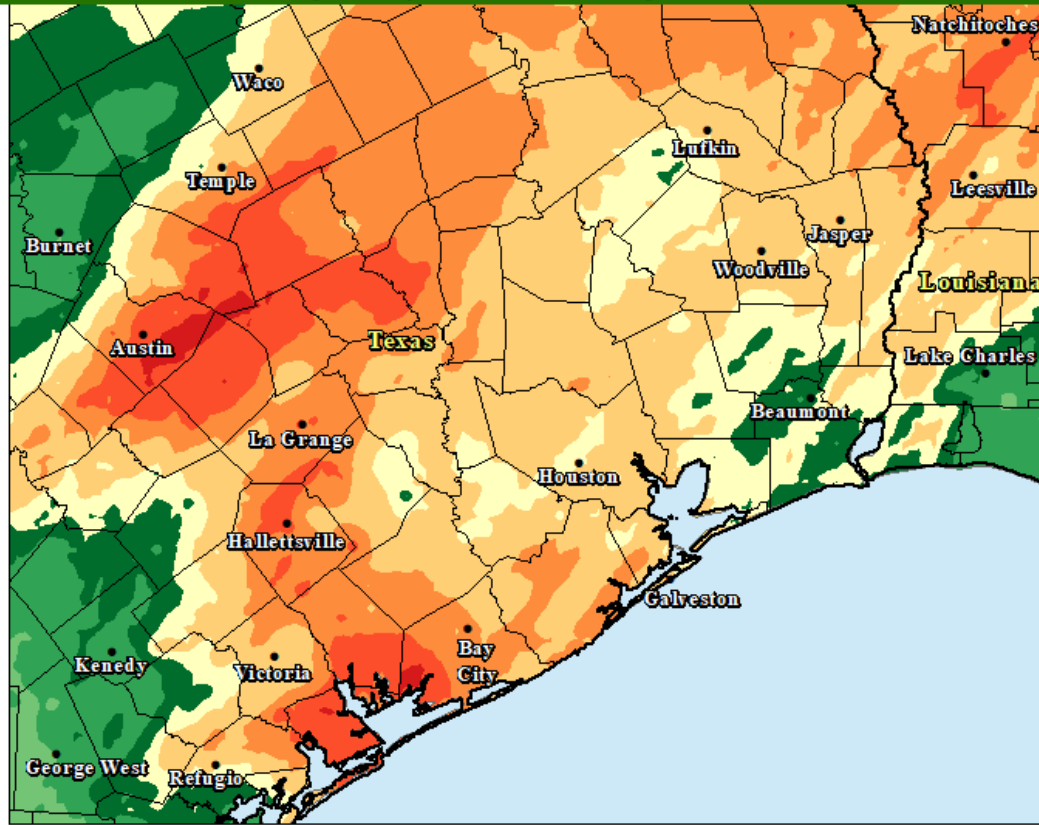
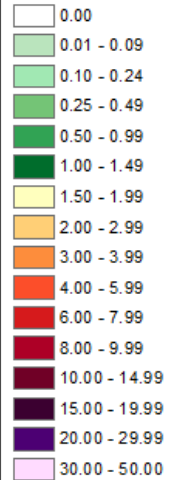
Houston-Hobby



Precipitation Maps

Total Monthly Precipitation - February 2022

Inches



Created by the
NWS Forecast Office
Houston/Galveston, TX

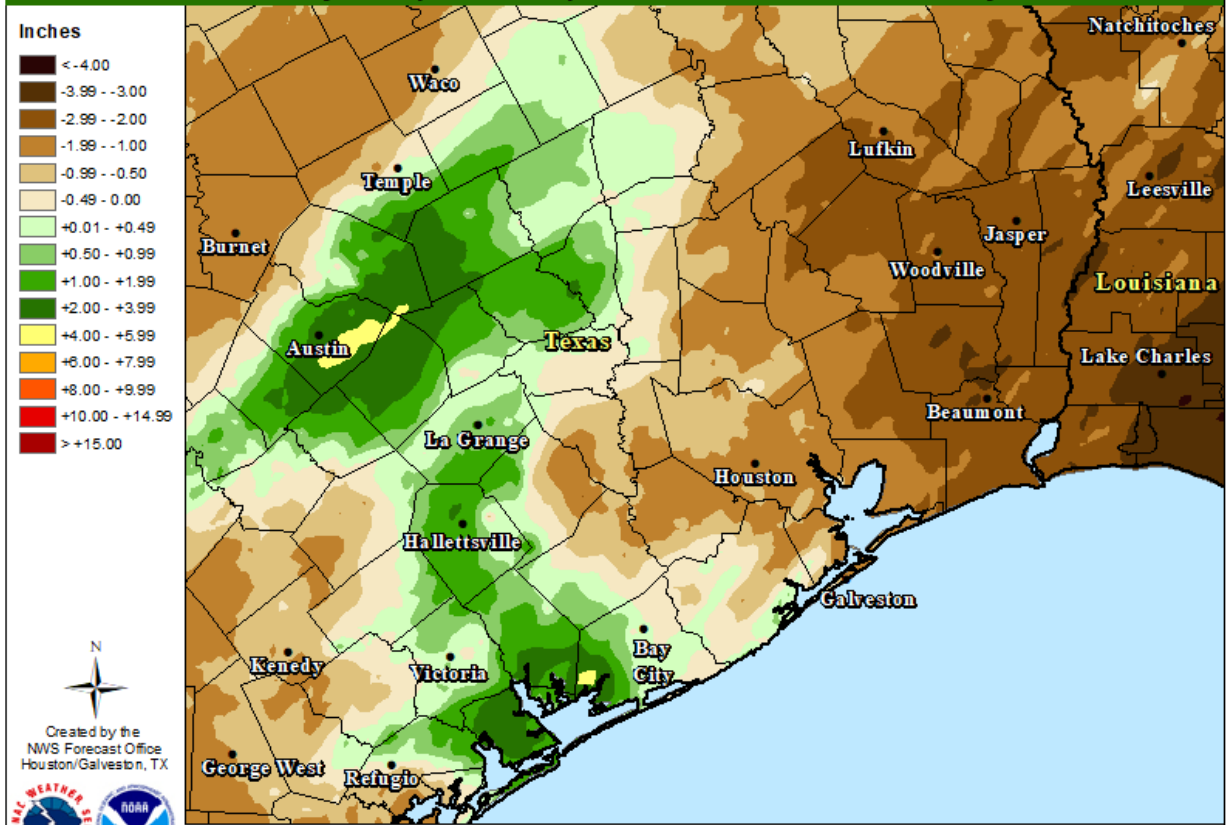
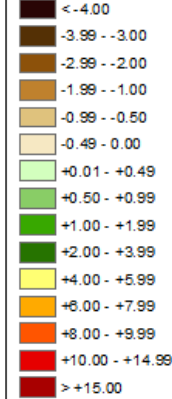


0 25 50
Miles

Source: NWS Advanced
Hydrologic Prediction Service Created: 03/01/2022 2100 UTC

Total Monthly Precipitation Departure From Normal - February 2022

Inches



Created by the
NWS Forecast Office
Houston/Galveston, TX



0 25 50
Miles

Source: NWS Advanced
Hydrologic Prediction Service Created: 03/01/2022 2100 UTC

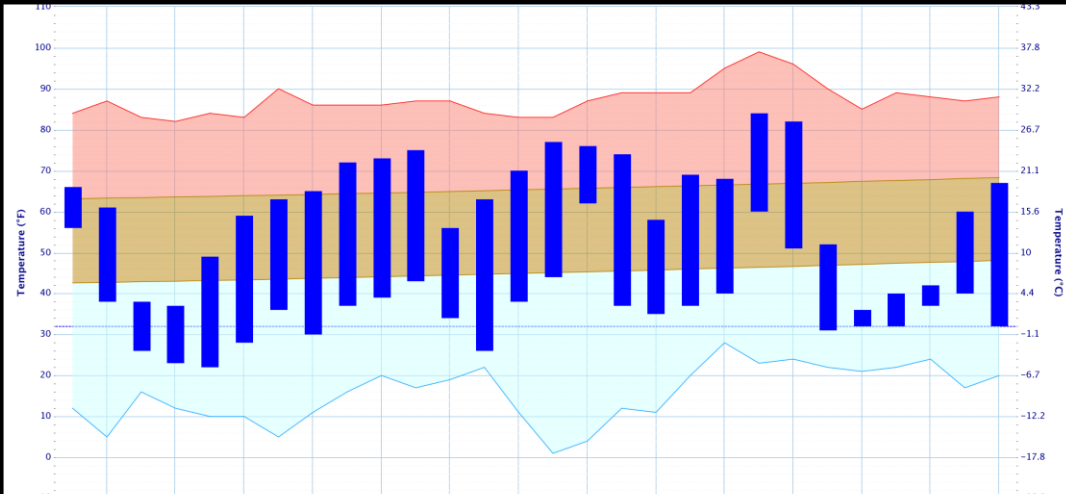
Temperature

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)	63.6	48.4	56.0	59.3	-3.3	83 on the 17 th	32 on the 4 th
Houston Hobby (HOU)	63.9	41.6	52.8	58.8	-6.0	83 on the 21 st	27 on the 4 th & 5 th
City of Houston (IAH)	63.6	40.1	51.9	57.7	-5.8	83 on the 21 st	27 on the 4 th 5 th , & 6 th
College Station (CLL)	61.9	37.4	49.6	55.3	-5.7	84 on the 21 st	22 on the 5 th

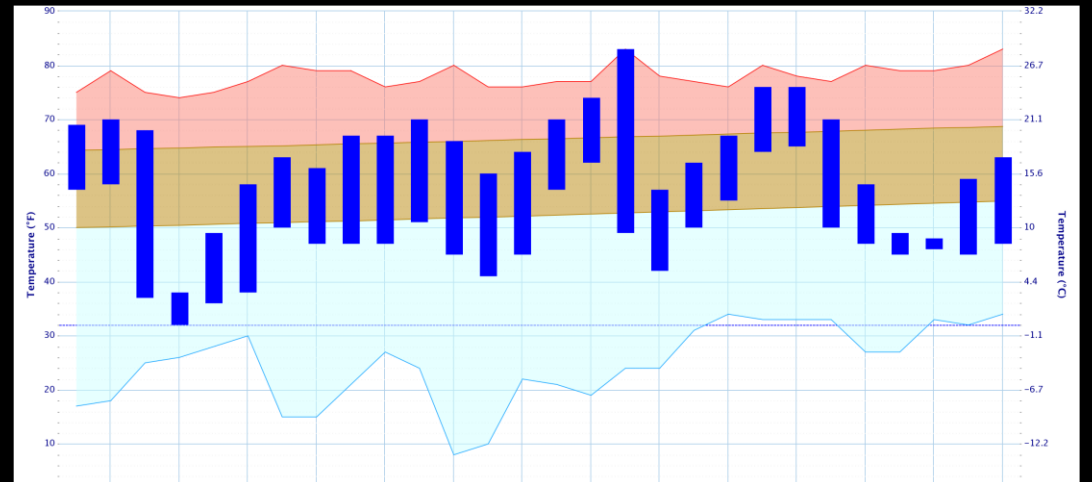
Temperature Charts

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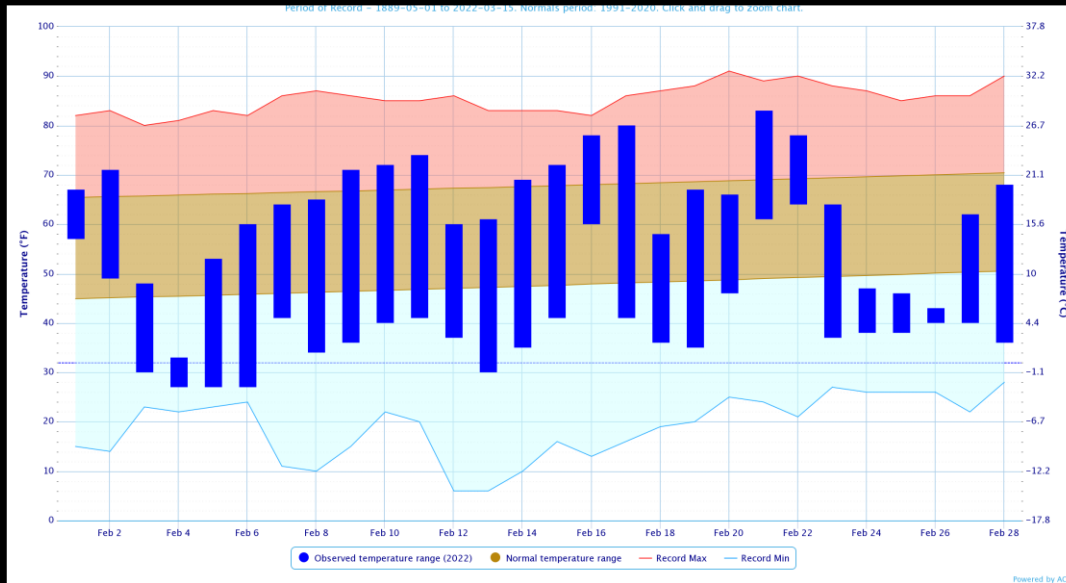
City of College Station



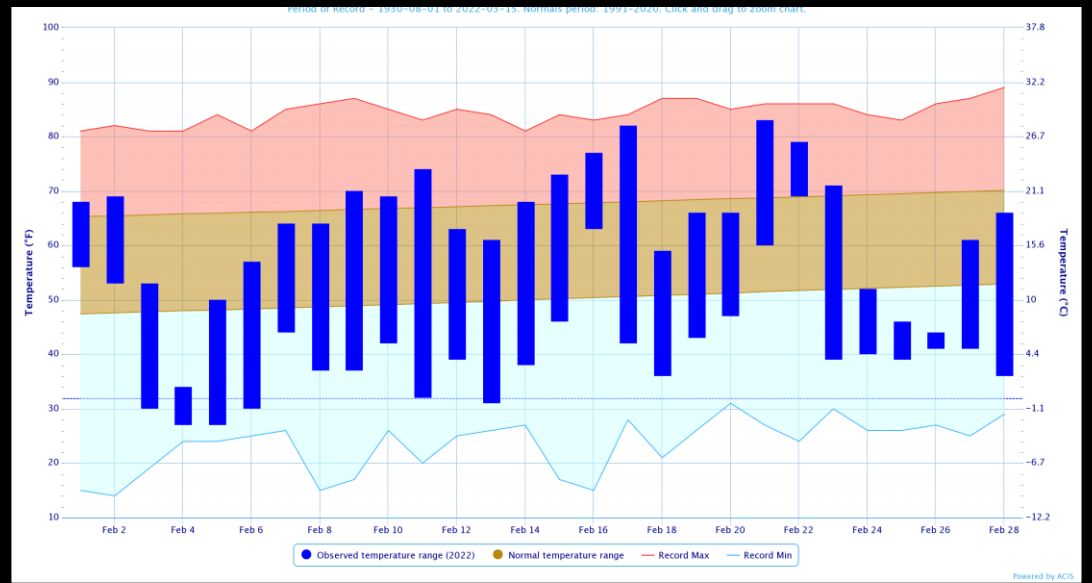
City of Galveston



City of Houston



Houston-Hobby



Daily Record Reports

Site	Date	Record Type	New Record	Previous Record
Houston-Hobby	February 22 nd	High Minimum Temp	69°	68° in 1985
Houston-Hobby	February 26 th	Low Maximum Temp	44° - T	44° in 2003
City of Galveston	February 17 th	High Maximum Temp	83°	79° in 2018

There were 3 daily records set during the month of February.



High Max

Low Max

Precip

Key

Snow

High Min

Low Min



Drought Monitor

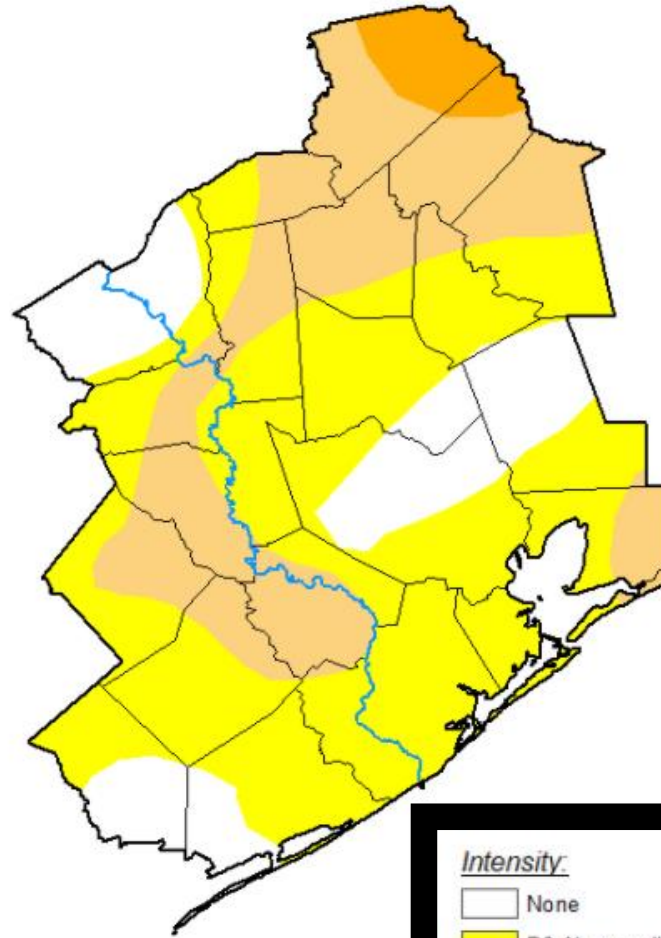
As of March 1st

Abnormally Dry (D0) to Moderate Drought (D1) continues across most of the area with Severe Drought (D2) conditions experienced north of Lake Livingston.

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

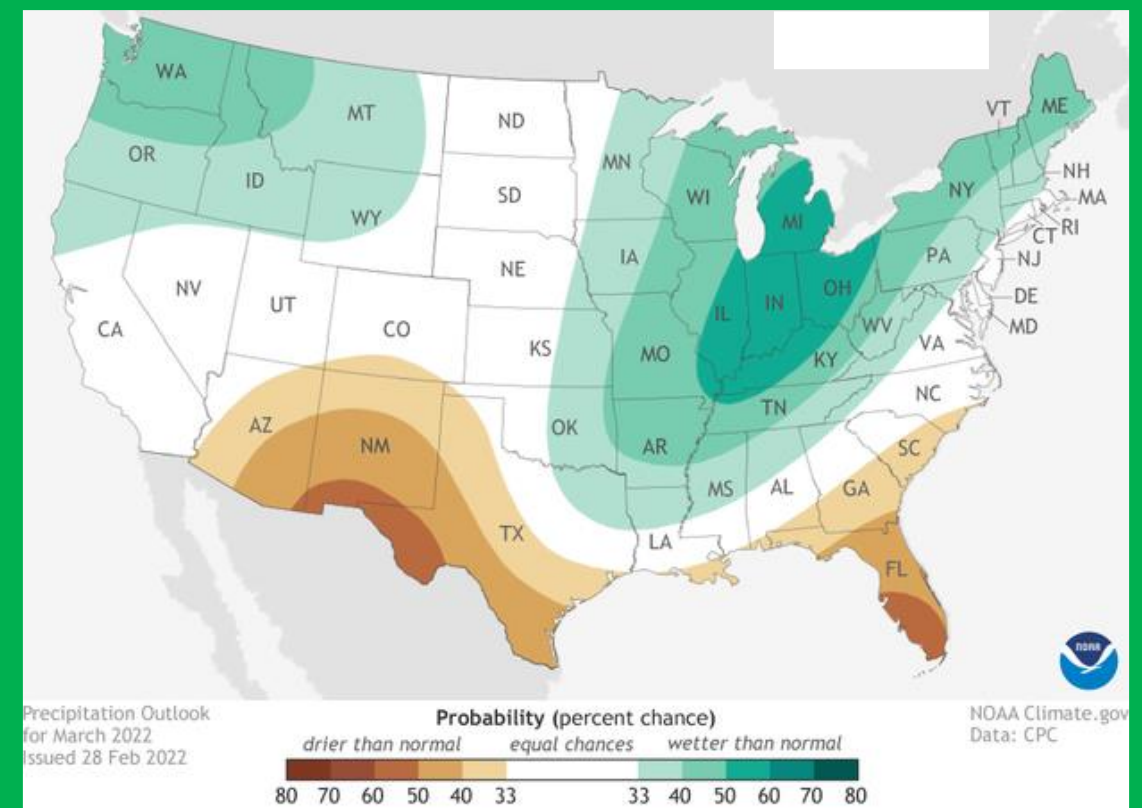
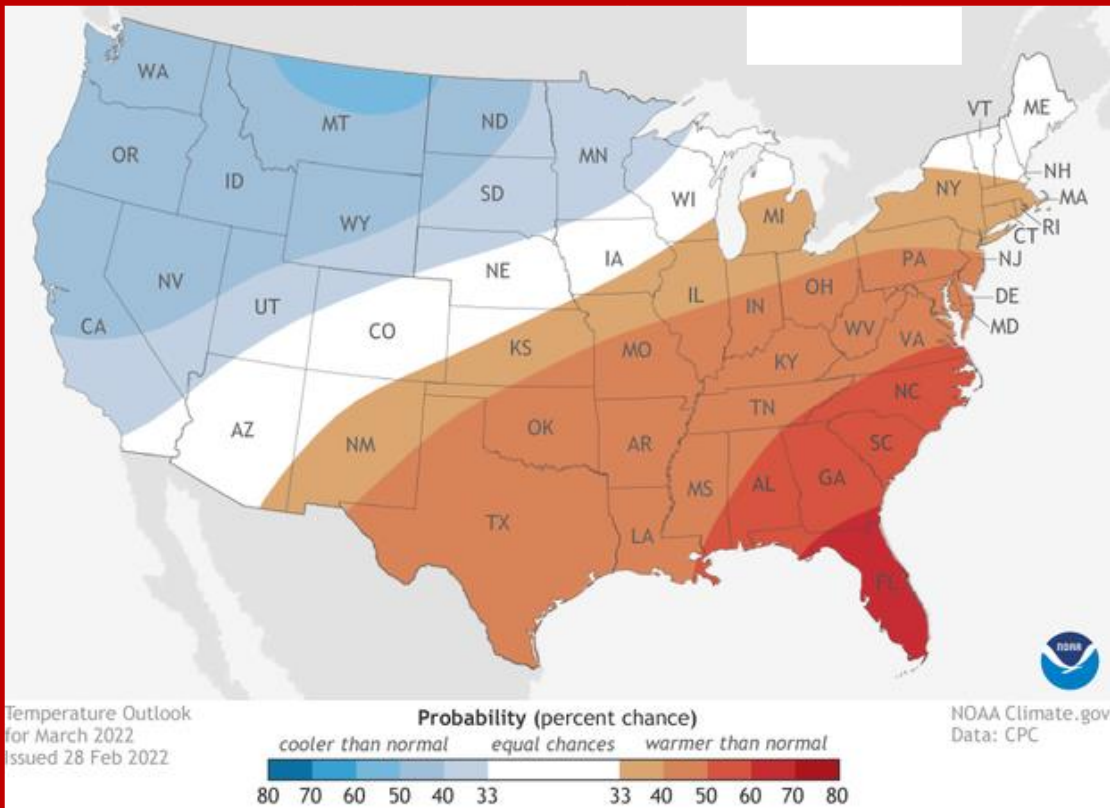
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

March Outlook

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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

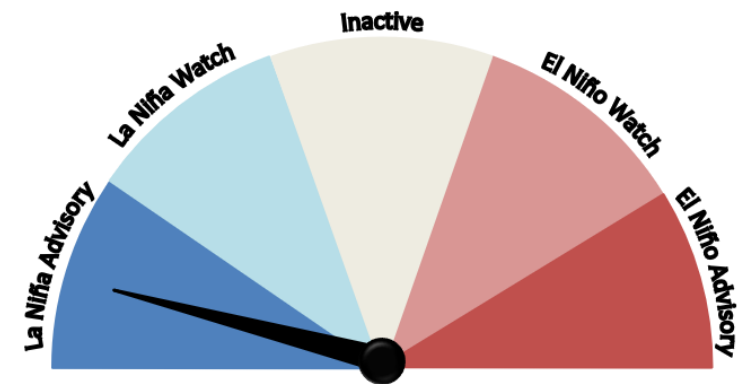
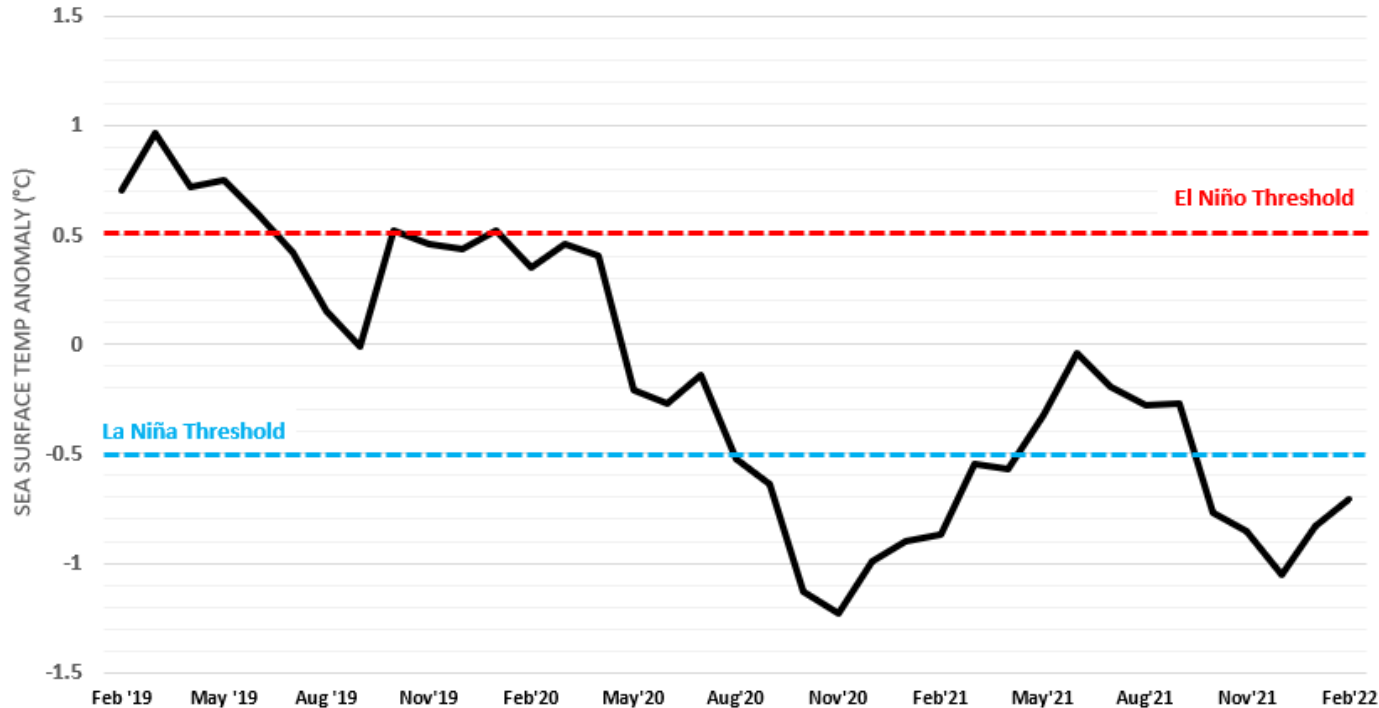
Location	Normal Monthly Precipitation (in.)
Galveston	3.02
Houston Hobby	3.28
City of Houston	3.47
College Station	3.41



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.

Sea Surface Temperature Anomalies (°C) in the Tropical Pacific



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).

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.

