

NWS Houston, Texas January 2022 Regional Climate Summary

Produced by Jimmy Fowler

...A fairly average start of the year...

Some of the extreme warmth from the end of last year lingered into this year with the first day of January seeing all-time record highs for the month for most of the area. A cold front on January 2nd brought cooler conditions for the region, and then a series of cold front through the rest of the month kept the monthly average close to normal. Some locally heavy rain accompanied the cold fronts with daily record rainfall seen in College Station (1/31), Houston (1/9), and Houston-Hobby (1/8). The rainfall was fairly scattered, so while Harris County and areas eastward saw drought improvement, the rest of the region experienced drought expansion.

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By the Numbers: January 2022



Location (records started)	Average Temp	Ranking	Total Rainfall	Ranking
City of Houston, TX (1888)	52.8°F	64 th Coolest	9.42"	5 th Wettest
Houston Hobby, TX (1930)	55.5°F	58 th Coolest	3.22"	45 th Driest
City of Galveston, TX (1871)	57.6°F	32 nd Warmest	2.00"	49 th Driest
City of College Station, TX (1882)	50.6°F	61 st Coolest	4.23"	32 nd Wettest
Conroe, TX (1997)	48.5°F	9 th Coolest	4.48"	8 th Wettest
Huntsville, TX (1997)	50.7°F	11 th Coolest	2.43"	11 th Driest
Sugar Land, TX (2000)	54.7°F	12 th Coolest	2.39"	10 th Driest
Palacios, TX (1943)	54.9°F	43 rd Coolest	8.69"	3 rd Wettest
Clover Field (Pearland), TX (1997)	54.0°F	9 th Coolest	1.80"	4 th Driest
David Wayne Hooks (Tomball), TX (1998)	52.0°F	10 th Coolest	2.65"	13 th Driest
Angleton, TX (1998)	54.2°F	13 th Coolest	2.78"	12 th Driest
League City, TX (1990)	53.9°F	14 th Warmest	2.49"	11 th Driest



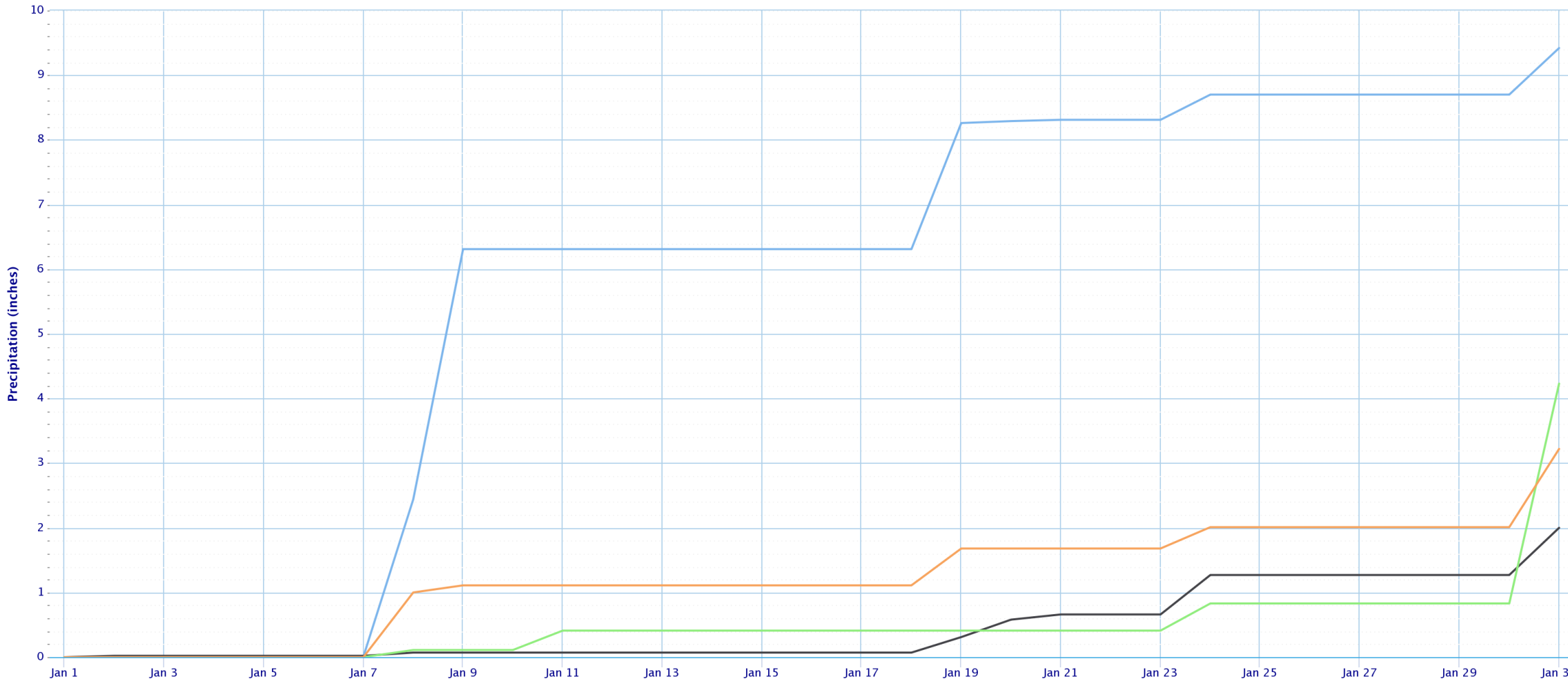
Precipitation

Location	Total Precipitation (in.)	Departure from Normal (in.)	Number of Thunder Days	Maximum Daily Precipitation (in./date)	
Galveston (GLS)	2.00	-2.30	3	0.73	31 st
Houston Hobby (HOU)	3.22	-0.87	3	1.21	31 st
City of Houston (IAH)	9.42	+5.66	3	3.87	9 th
College Station (CLL)	4.23	+0.80	1	3.40	31 st

Precipitation Accumulation Graph

Accumulated Precipitation

Green/black diamonds represent subsequent/missing values



City of Houston

City of Galveston

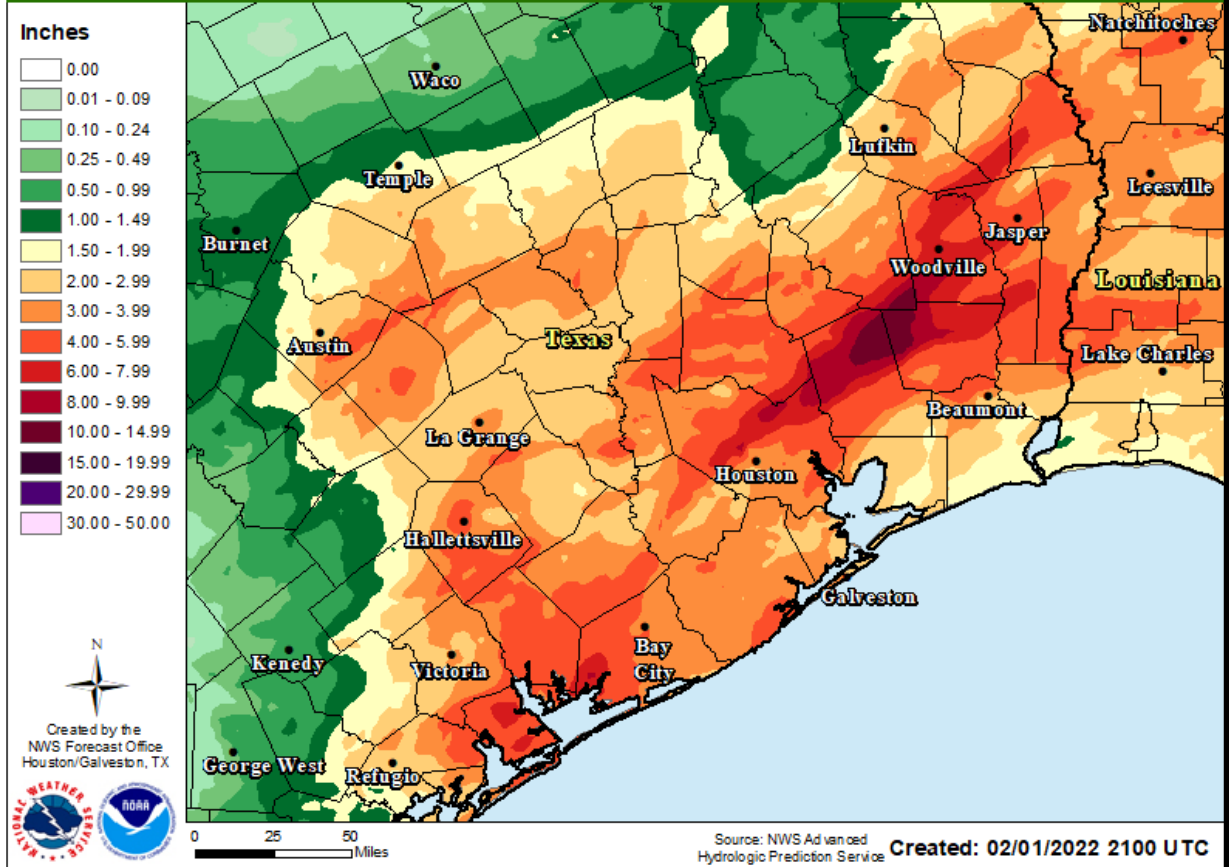
City of College Station

Houston-Hobby

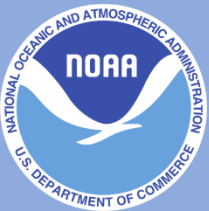
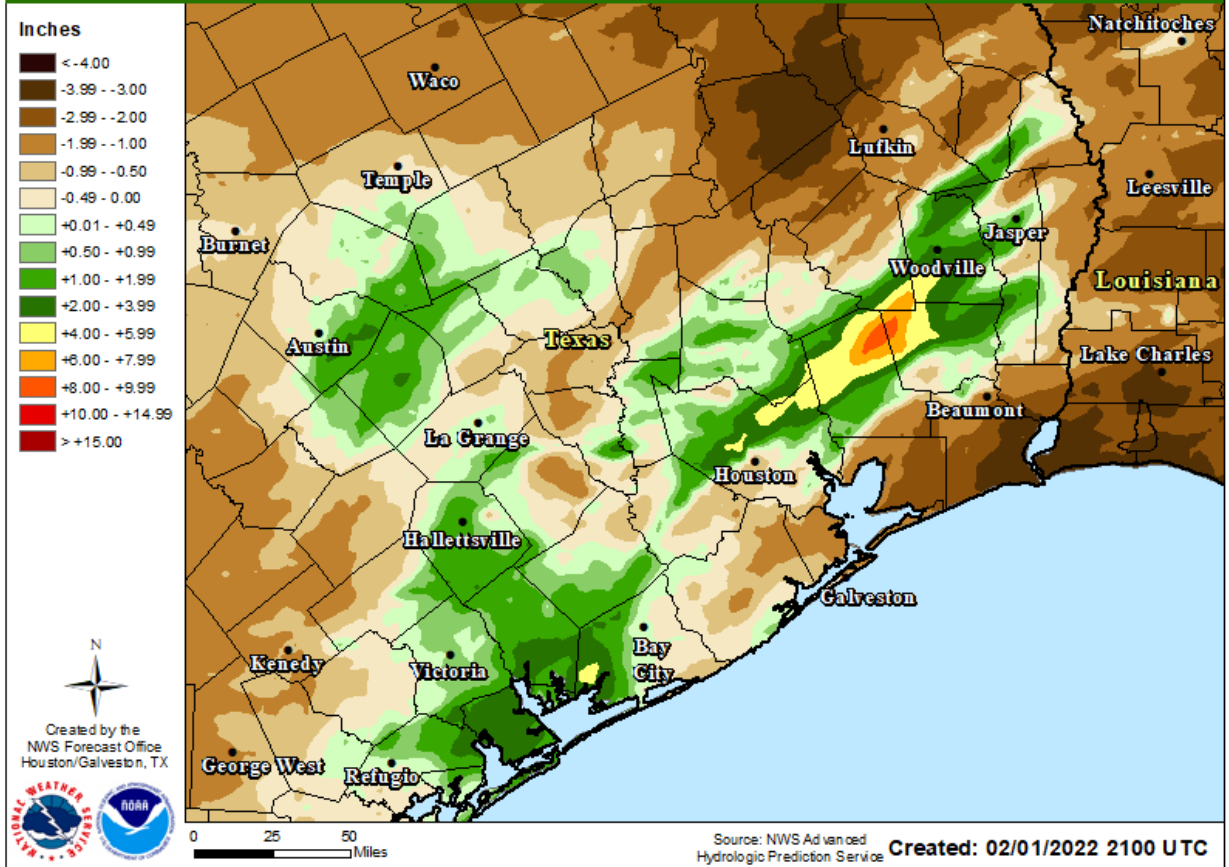


Precipitation Maps

Total Monthly Precipitation - January 2022

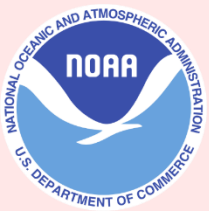


Total Monthly Precipitation Departure From Normal - January 2022



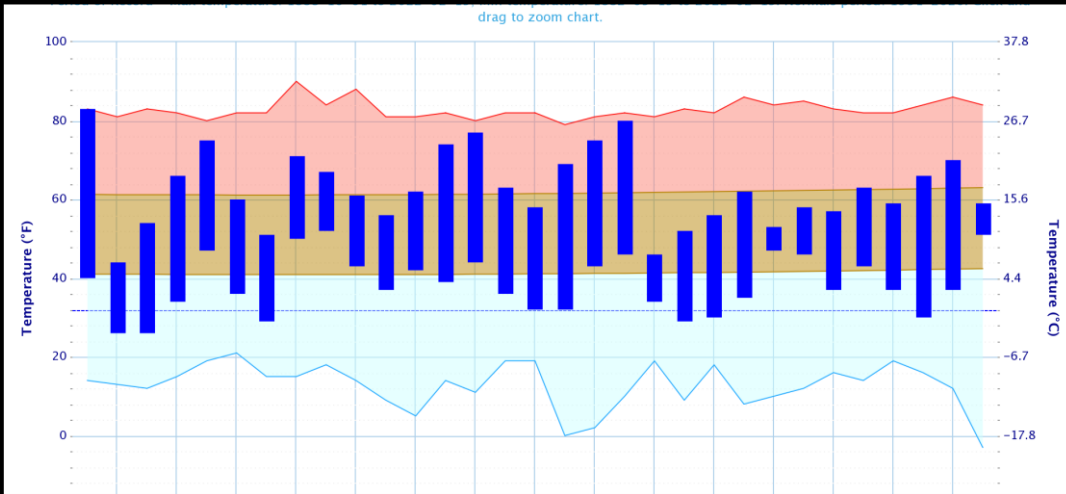
Temperature

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)	65.5	49.6	57.6	56.0	+1.6	81 on the 1 st	35 on the 22 nd
Houston Hobby (HOU)	65.9	45.0	55.5	55.0	+0.5	85 on the 1 st	33 on the 3 rd
City of Houston (IAH)	64.5	41.1	52.8	53.8	-1.0	85 on the 1 st	30 on the 22 nd
College Station (CLL)	62.8	38.4	50.6	51.5	-0.9	83 on the 1 st	26 on the 2 nd & 3 rd

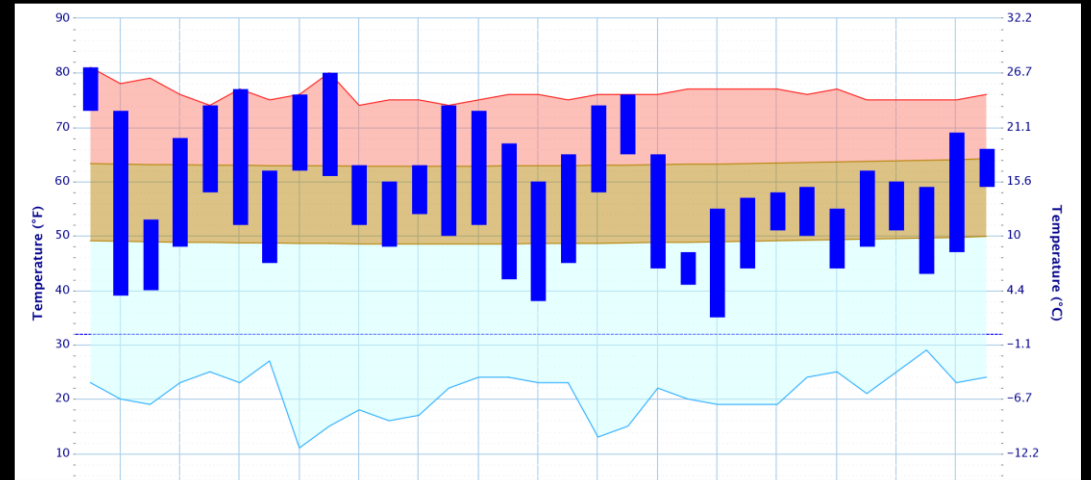


Temperature Charts

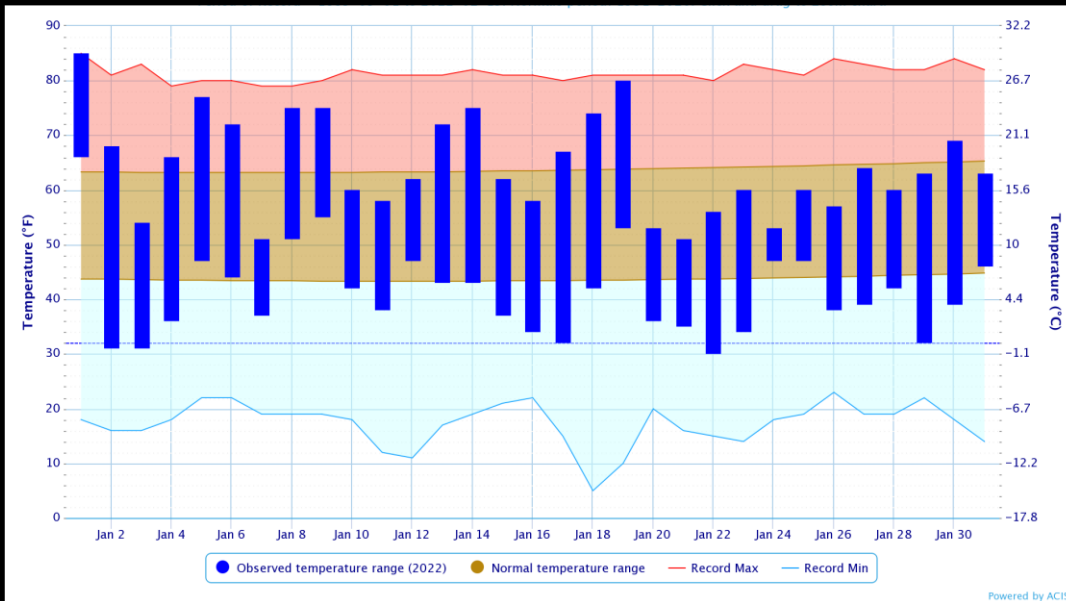
City of College Station



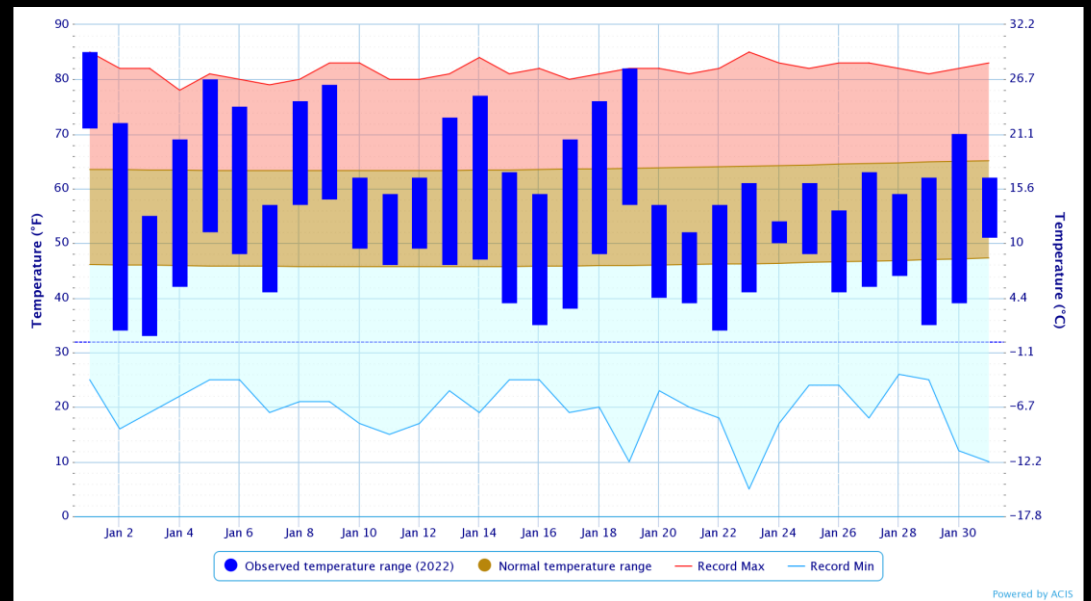
City of Galveston



City of Houston



Houston-Hobby



Daily Record Reports

Site	Date	Record Type	New Record	Previous Record
City of College Station	January 1 st	High Maximum Temp	83°	81° in 2006
City of College Station	January 31 st	Max Daily Rainfall	3.40"	1.75" in 1896
City of Houston	January 1 st	High Maximum Temp	85°	81° in 2006
City of Houston	January 9 th	Max Daily Rainfall	3.87"	2.49" in 1984
Houston-Hobby	January 1 st	High Maximum Temp	85°	82° in 2006
Houston-Hobby	January 1 st	High Minimum Temp	71°	69° in 1952
Houston-Hobby	January 8 th	Max Daily Rainfall	1.00"	0.93" in 1968
Houston-Hobby	January 19 th	High Maximum Temp	82°	81° in 2000
City of Galveston	January 1 st	High Maximum Temp	81°	76° in 1934
City of Galveston	January 1 st	High Minimum Temp	73°	67° in 1890

There were
16 daily
records set
during the
month of
January.



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	January 5 th	High Maximum Temp	74° - T	74° in 2005
City of Galveston	January 6 th	High Maximum Temp	77°	74° in 2020
City of Galveston	January 8 th	High Maximum Temp	76° - T	76° in 1953
City of Galveston	January 9 th	High Maximum Temp	80°	74° in 2020
City of Galveston	January 13 th	High Maximum Temp	74° - T	74° in 1972
City of Galveston	January 19 th	High Maximum Temp	76° - T	76° in 1950

There were 16 daily records set during the month of January.



Key

High Max

Low Max

Precip

Snow

High Min

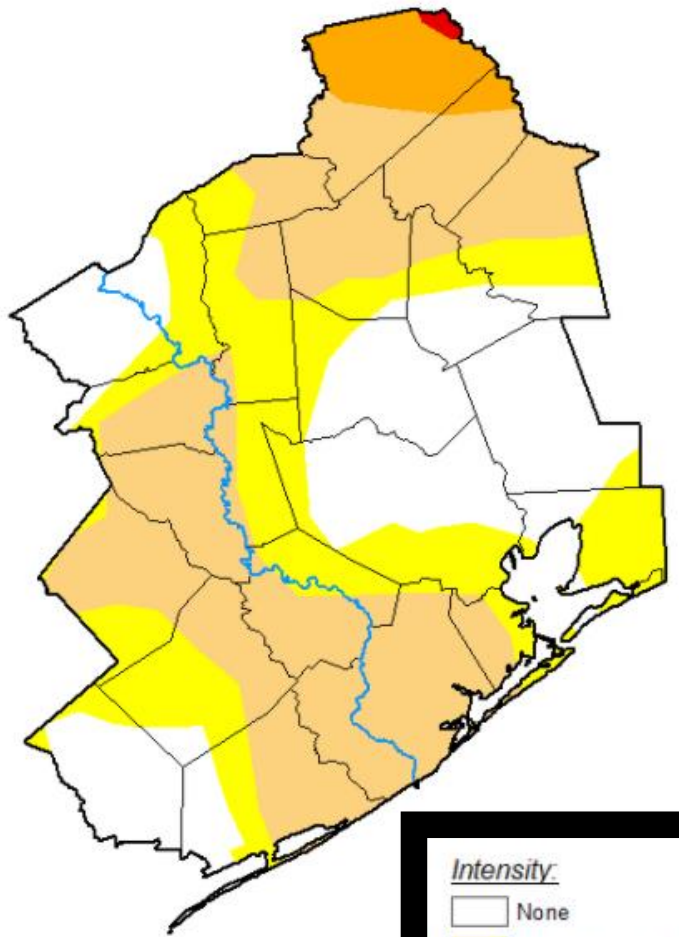
Low Min

Drought Monitor As of January 1st

Moderate to Severe Drought developed along the coast and areas north of Lake Livingston. But, locally heavy rainfall eliminated drought conditions across most of Harris County and areas to the east.

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

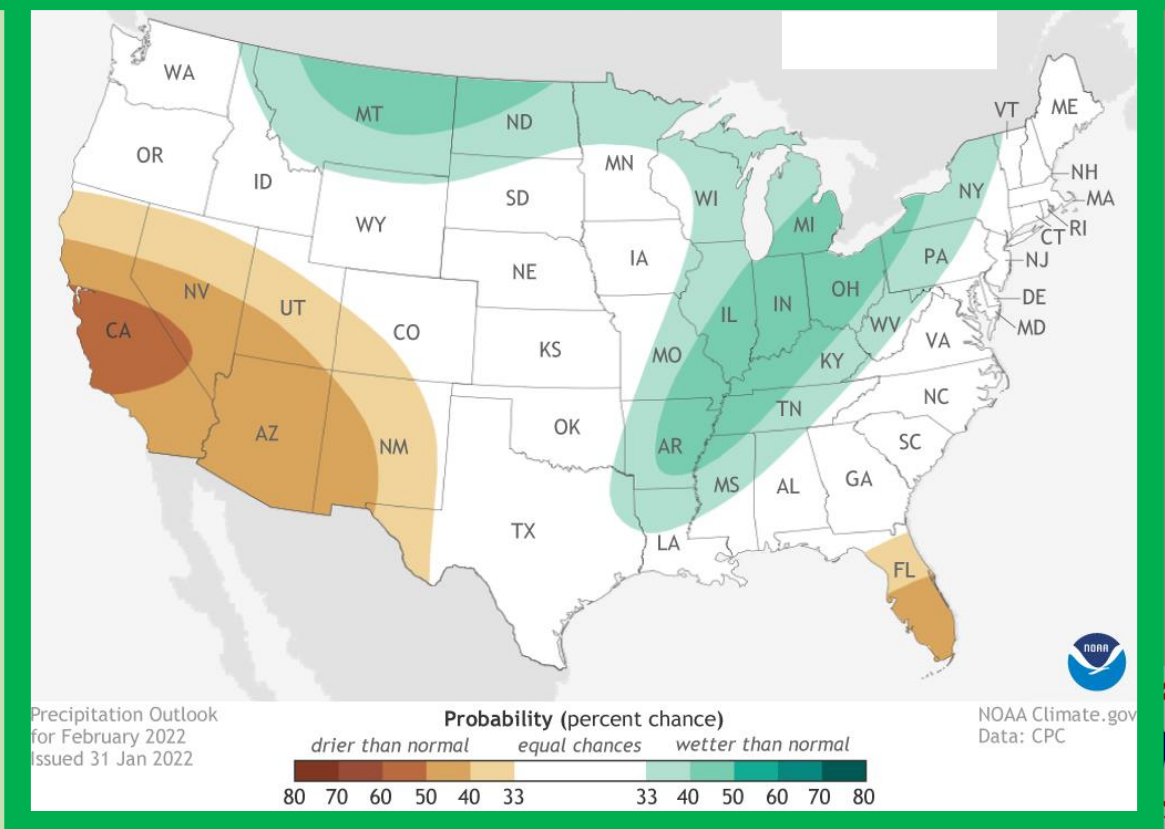
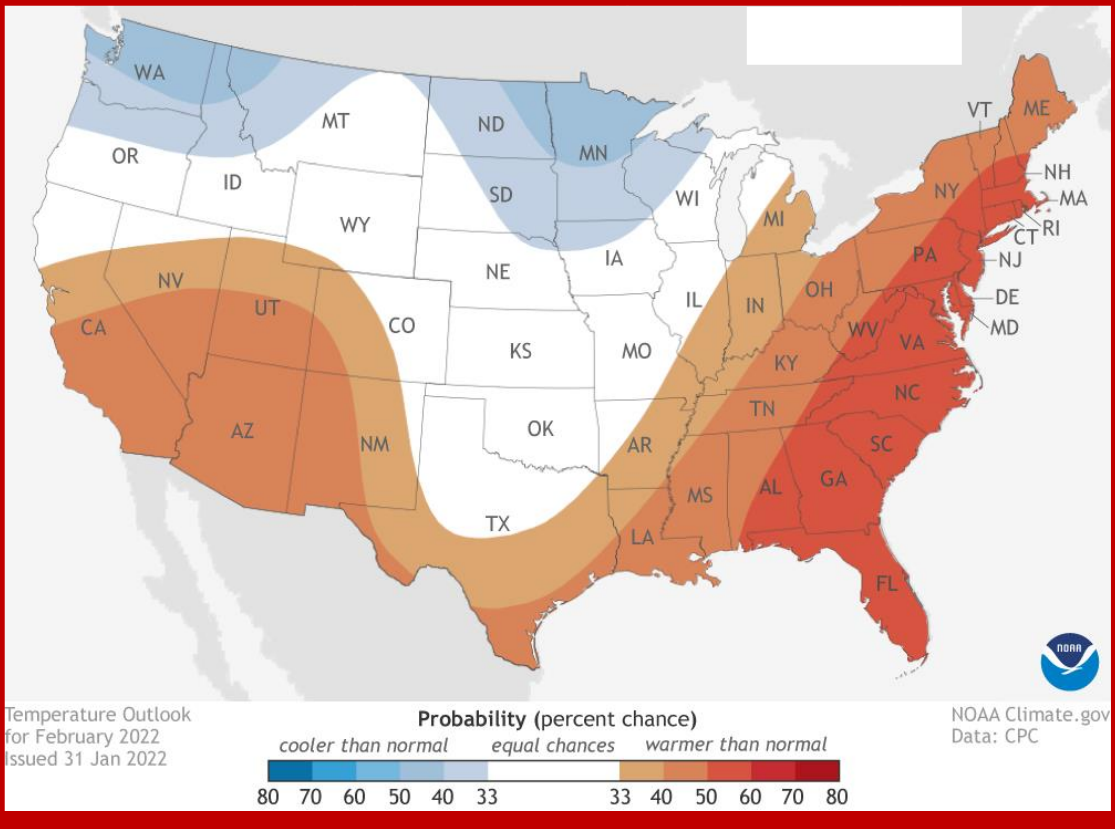
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>



February Outlook

Location	Average Temp(°F)	Normal High (°F)	Normal Low (°F)
Galveston	59.3	66.4	52.3
Houston Hobby	58.8	67.6	50.1
City of Houston	53.8	67.8	47.6
College Station	55.3	65.5	45.1

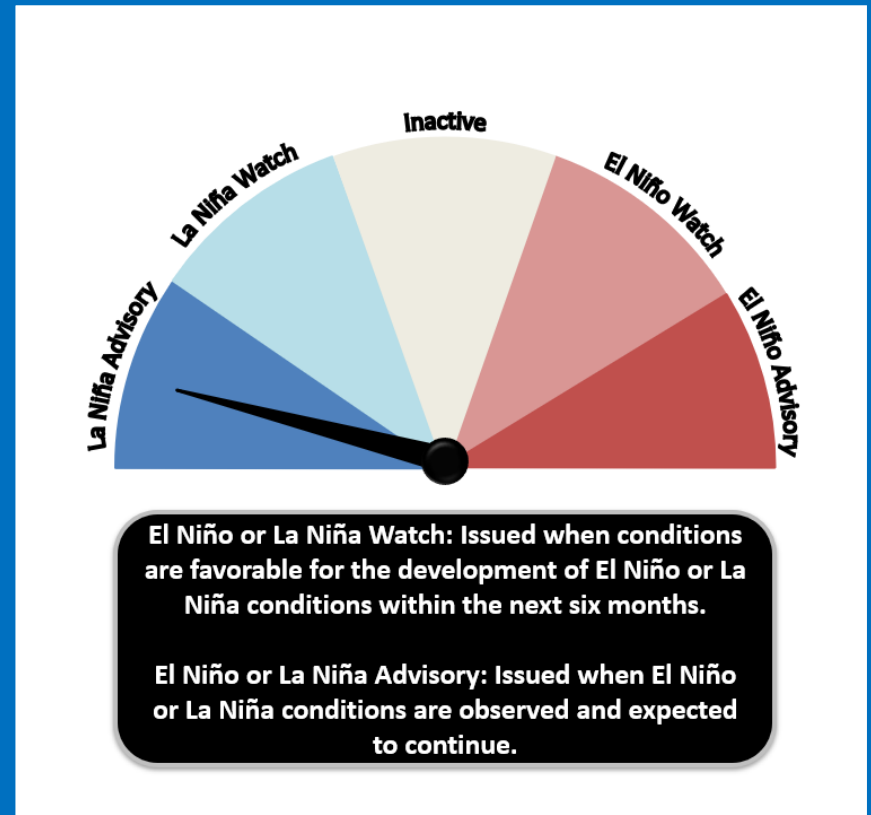
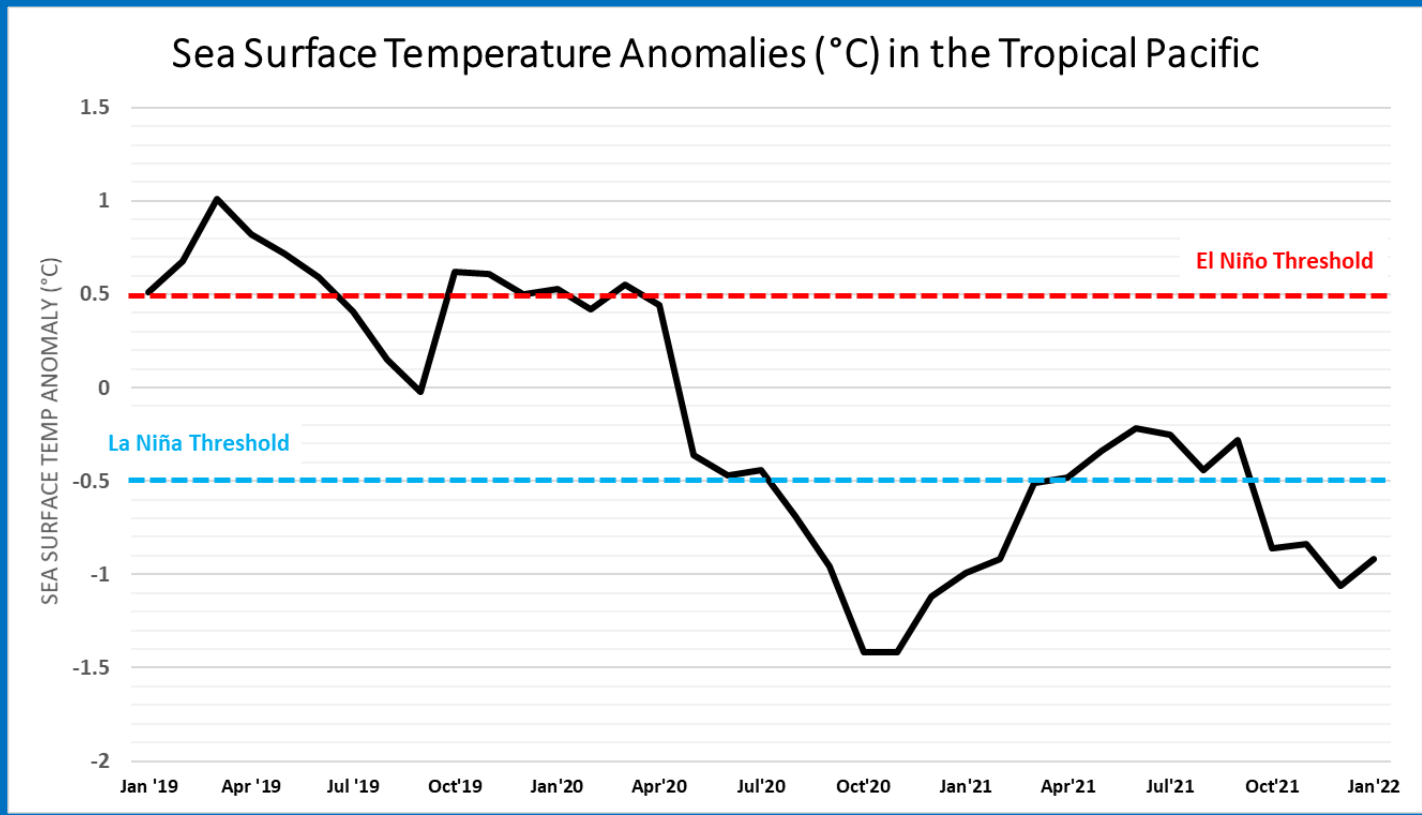
Location	Normal Monthly Precipitation (in.)
Galveston	2.14
Houston Hobby	2.85
City of Houston	2.97
College Station	2.90



Current ENSO Phase: **La Niña**

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

- La Niña conditions are expected to continue with 77% chance through the Spring, and then 56% chance of ENSO-Neutral by Summer.



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.

