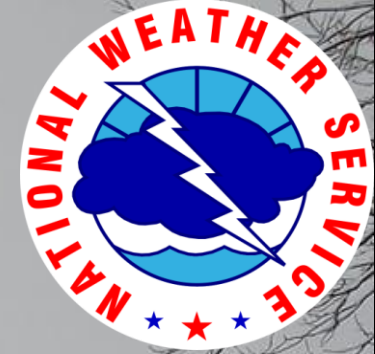


NWS Houston, Texas January 2021 Regional Climate Summary



Produced by Jimmy Fowler

...Warm & Dry January with a Mid-Month Winter Storm...

The new year started out a lot like how 2020 was: warmer and drier than normal. Precipitation totals across the area were about one to three inches below normal, while temperatures were about one to two degrees above normal. However, the month didn't see any temperature extremes as there were zero daily temperature records set. There were three other daily records set: daily snowfall records from a winter storm that hit the area on January 10th. This storm produced 4.5" of snow at College Station, and traces of winter precipitation (snow and sleet) for the City of Houston and at Houston-Hobby. All of these amounts were daily snowfall records.

Photo Credit:
Dan Kuciemba

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By the Numbers: January 2021



Location (records started)	Average Temp	Ranking	Total Rainfall	Ranking
City of Houston, TX (1888)	55.2°F	41 st Warmest	2.51"	51 st Driest
Houston Hobby, TX (1930)	57.0°F	21 st Warmest	1.71"	13 th Driest
City of Galveston, TX (1871)	57.3°F	35 th Warmest	0.81"	12 th Driest
City of College Station, TX (1882)	52.5°F	42 th Warmest	2.71"	63 rd Driest
Conroe, TX (1997)	52.1°F	12 th Warmest	2.30"	7 th Driest
Huntsville, TX (1997)	53.1°F	10 th Warmest	2.35"	10 th Driest
Sugar Land, TX (2000)	56.1°F	6 th Warmest	2.11"	8 th Driest
Palacios, TX (1943)	56.0°F	27 th Warmest	0.80"	12 th Driest
Clover Field (Pearland), TX (1997)	55.7°F	10 th Warmest	1.85"	5 th Driest
David Wayne Hooks (Tomball), TX (1998)	53.9°F	12 th Warmest	1.99"	7 th Driest
Angleton, TX (1998)	55.6°F	10 th Warmest	1.06"	4 th Driest
League City, TX (1990)	55.9°F	9 th Warmest	1.99"	5 th Driest



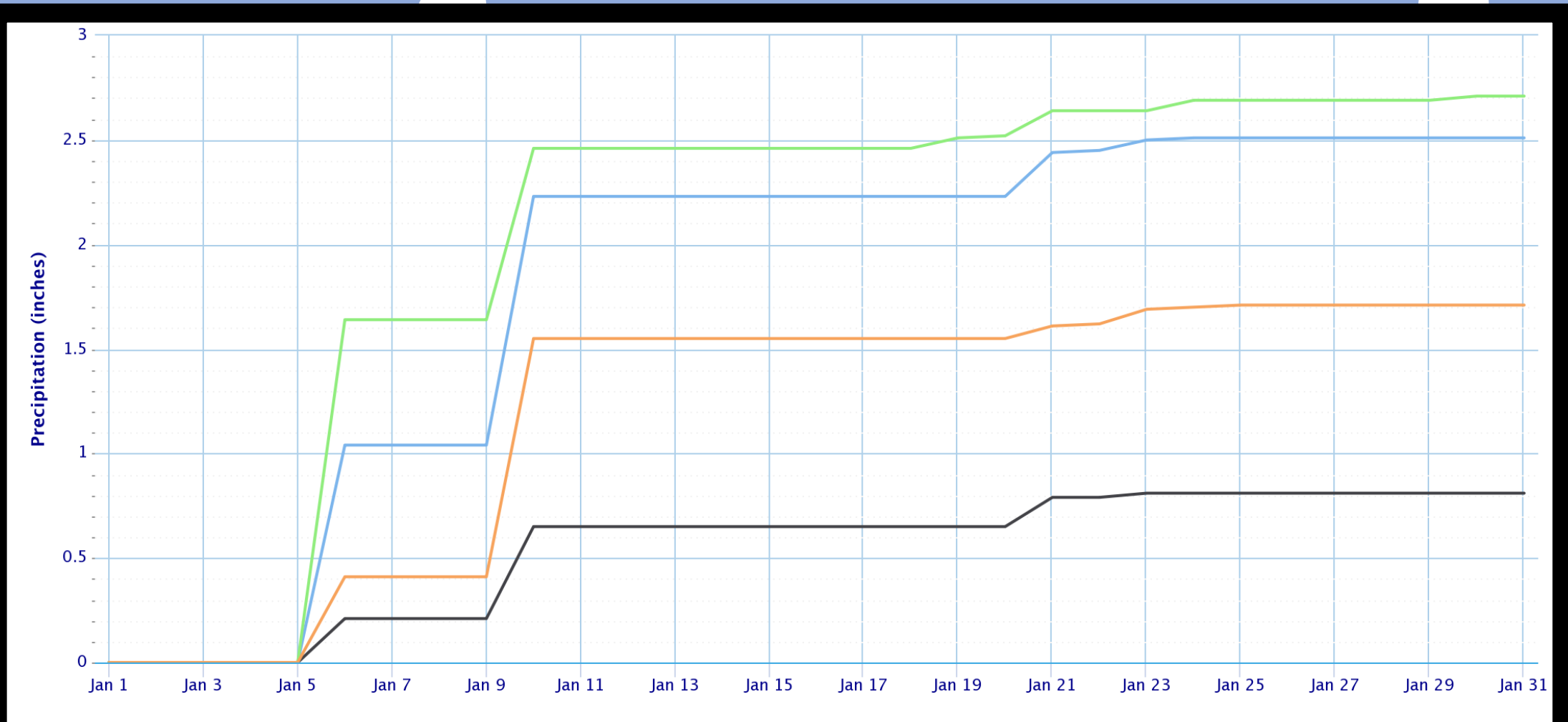
Precipitation

Location	Total Precipitation (in.)	Departure from Normal (in.)	Number of Thunder Days	Maximum Daily Precipitation (in./date)	
Galveston (GLS)	0.81	-3.39	1	0.44	10 th
Houston Hobby (HOU)	1.71	-2.16	1	1.14	10 th
City of Houston (IAH)	2.51	-0.87	1	1.19	10 th
College Station (CLL)	2.71	-0.53	1	1.64	6 th

2021 started out dry with most of the region experiencing drier than normal conditions. Out of the primary climate sites, Galveston was the driest with the monthly total being over three inches below normal. College Station was the wettest primary climate site with it only about a half an inch below normal.



Precipitation Accumulation Graph



City of Houston

City of Galveston

City of College Station

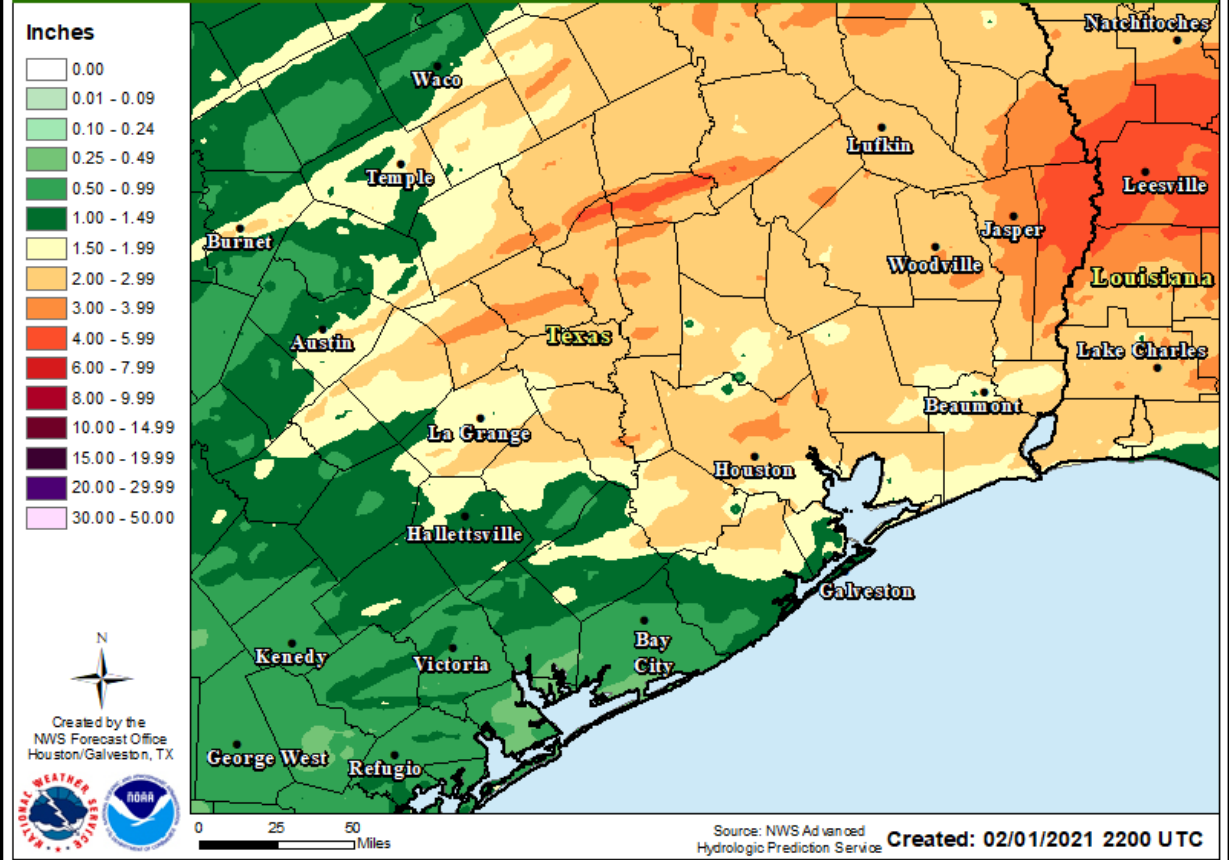
Houston-Hobby

Powered by ACIS

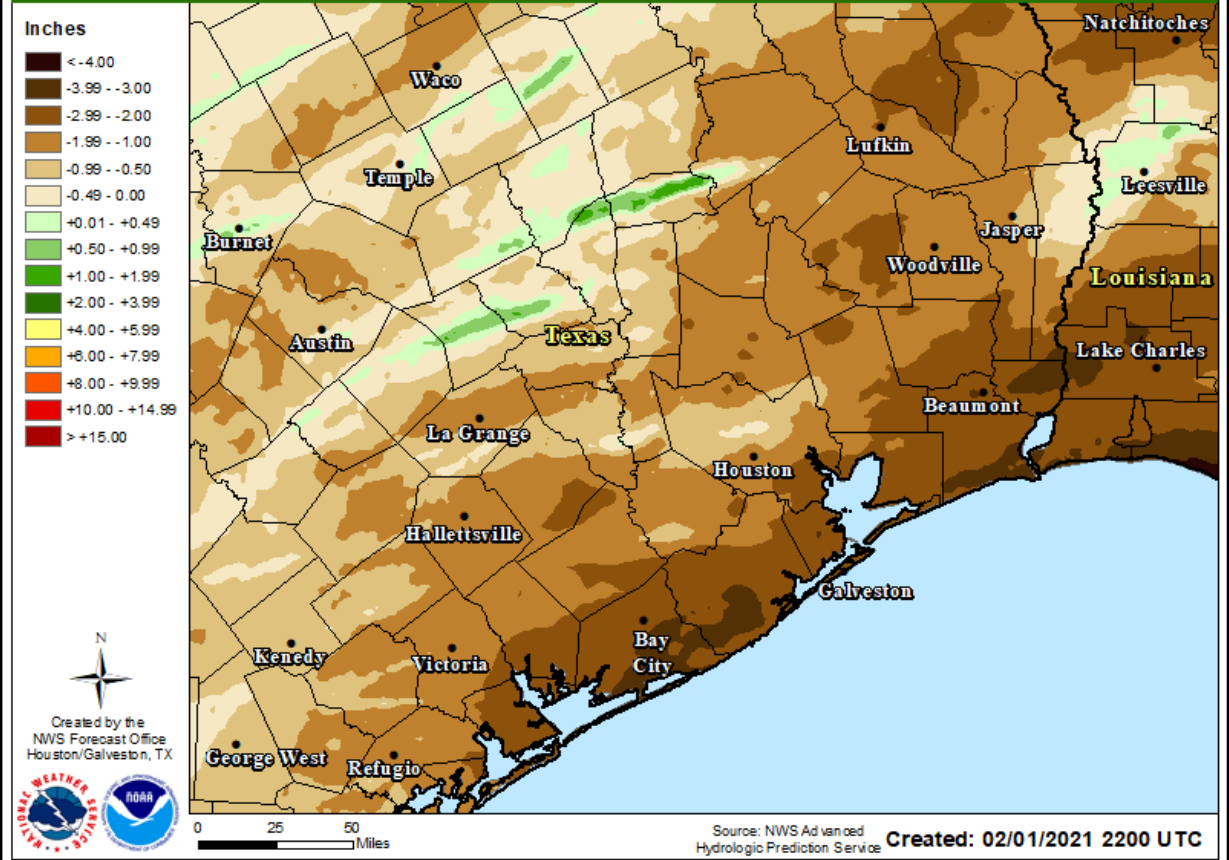


Precipitation Maps

Total Monthly Precipitation - January 2021



Total Monthly Precipitation Departure From Normal - January 2021



Temperature

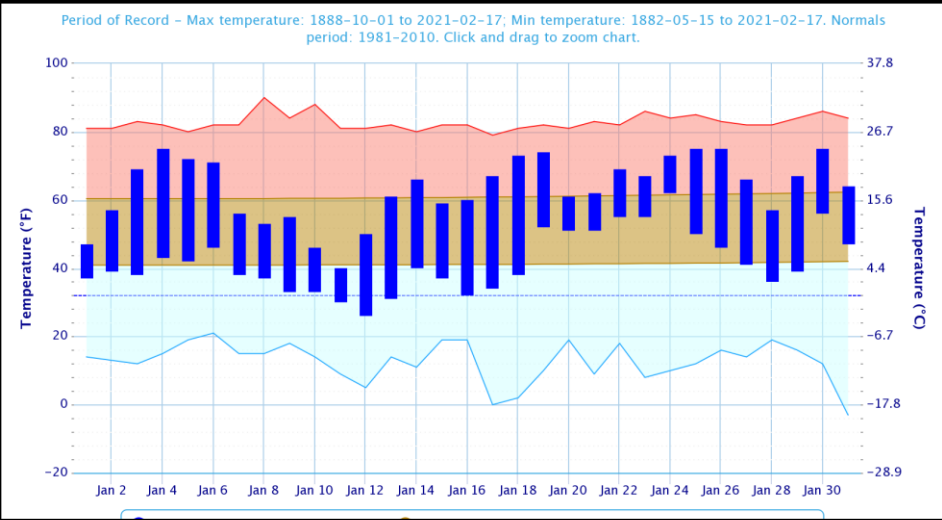
Location	Average High Temp (F)	Average Low Temp (F)	Average Temp (F)	Normal Average Temp (F)	Departure From Normal Average (F)	Maximum Temperature (F)	Minimum Temperature (F)
Galveston (GLS)	63.7	50.9	57.3	55.2	+2.1	75 on the 26 th	39 on the 11 th & 12 th
Houston Hobby (HOU)	66.3	47.8	57.0	54.1	+2.9	81 on the 25 th	33 on the 12 th
City of Houston (IAH)	65.4	44.9	55.2	53.1	+2.1	78 on the 19 th & 25 th	31 on the 12 th
College Station (CLL)	63.3	41.8	52.5	51.1	+1.4	75 on the 25 th , 26 th , & 30 th	26 on the 12 th

The area started off the new year one to two degrees warmer than average. While the month was warmer than usual, it wasn't extreme – there were no daily temperature records set during the month of January.

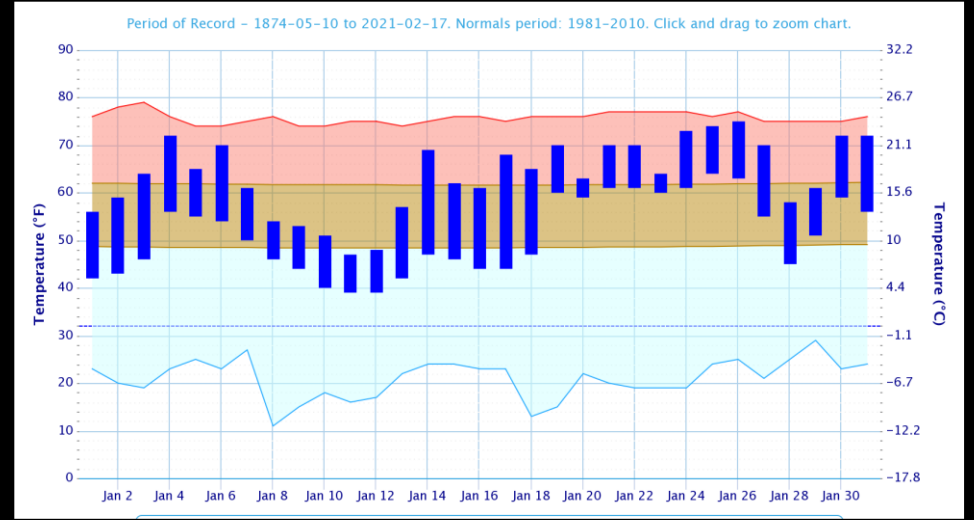


Temperature Charts

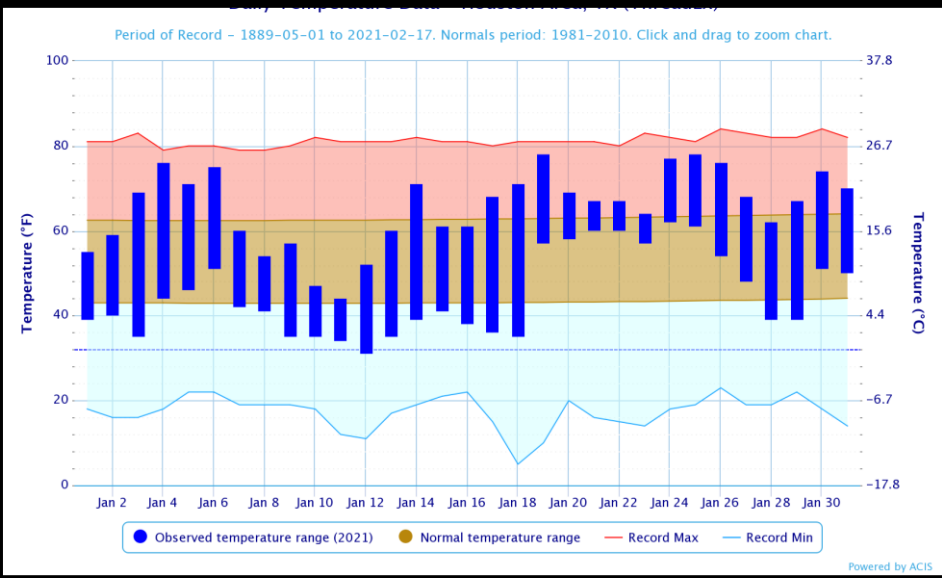
City of College Station



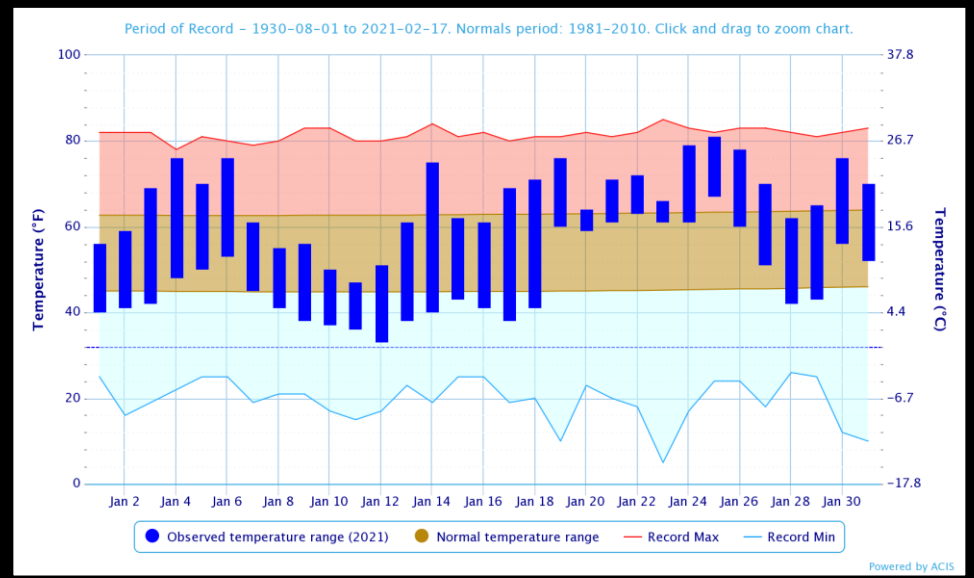
City of Galveston



City of Houston



Houston-Hobby



Daily Record Reports

Site	Date	Record Type	New Record	Previous Record
City of Houston	January 10 th	Daily Max Snowfall	Trace - Tied	Trace in 1973
Houston-Hobby	January 10 th	Daily Max Snowfall	Trace	Never reported snow on this day
City of College Station	January 10 th	Daily Max Snowfall	4.5"	3.0" in 1973

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



High Max

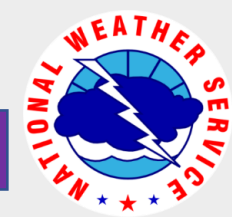
Low Max

Precip

Snow

High Min

Low Min



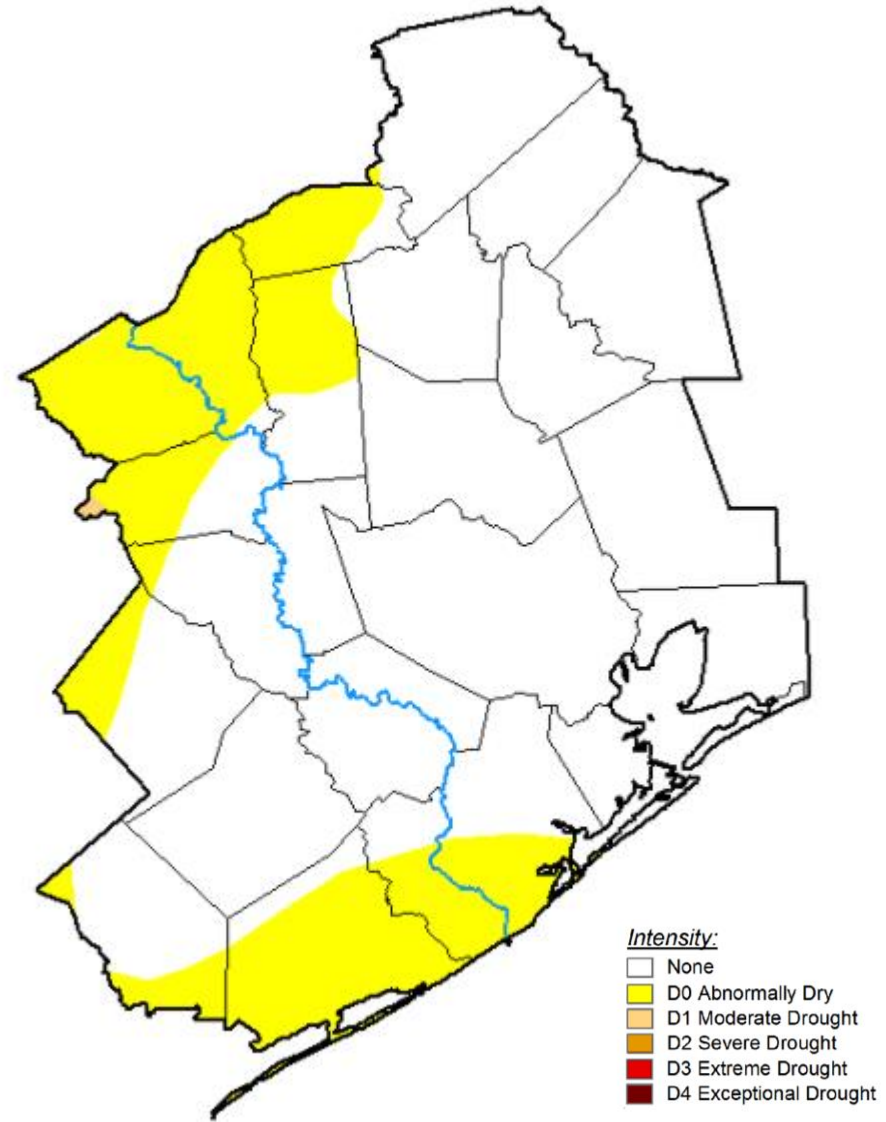
Key

Drought Monitor

As of February 2nd

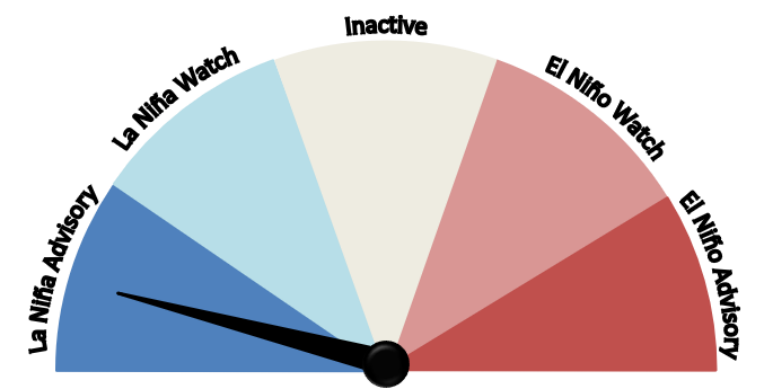
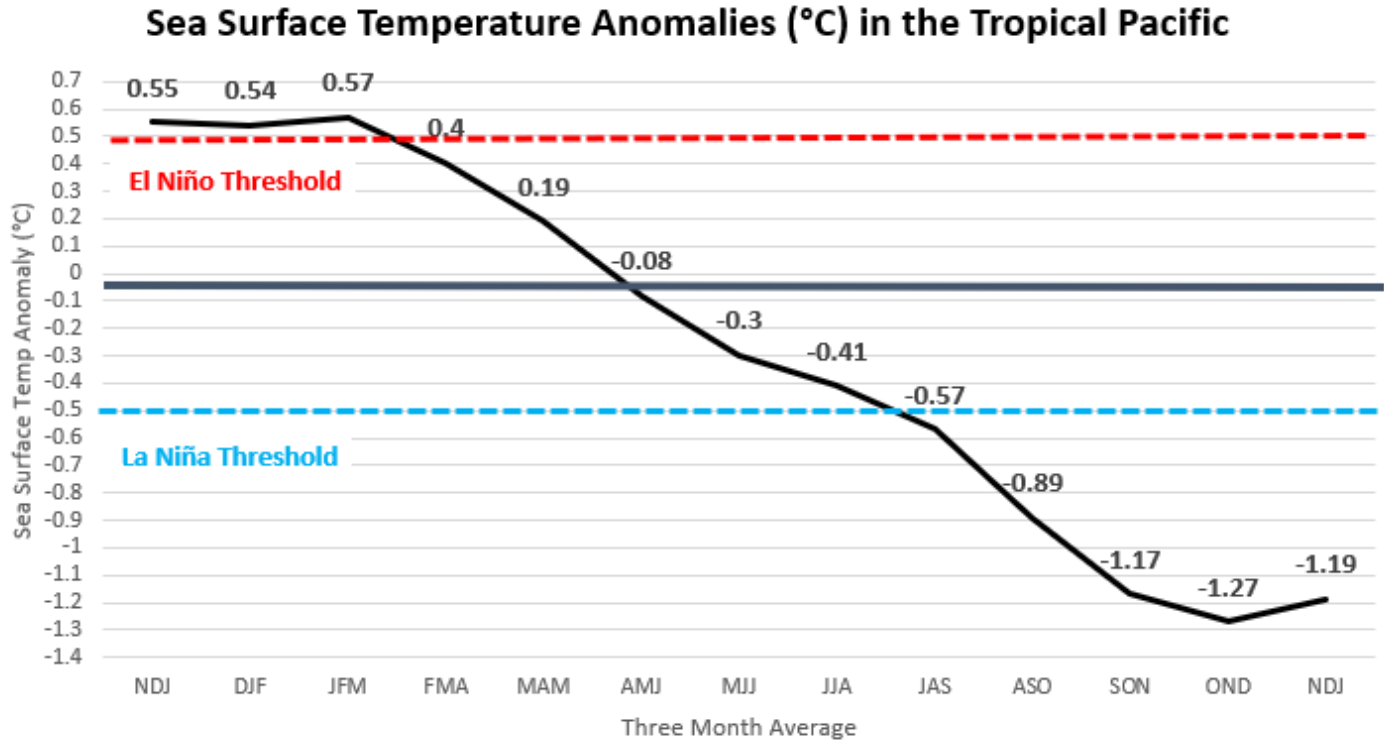
Drought was not much of an issue during the month of January. The northwestern portion of the region, extreme western portion, and coastal areas west of Galveston all ended the month with D0-Abnormally Dry conditions.

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



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

- **La Niña** conditions are present
- 60% chance of ENSO-Neutral conditions forming in the Spring



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.

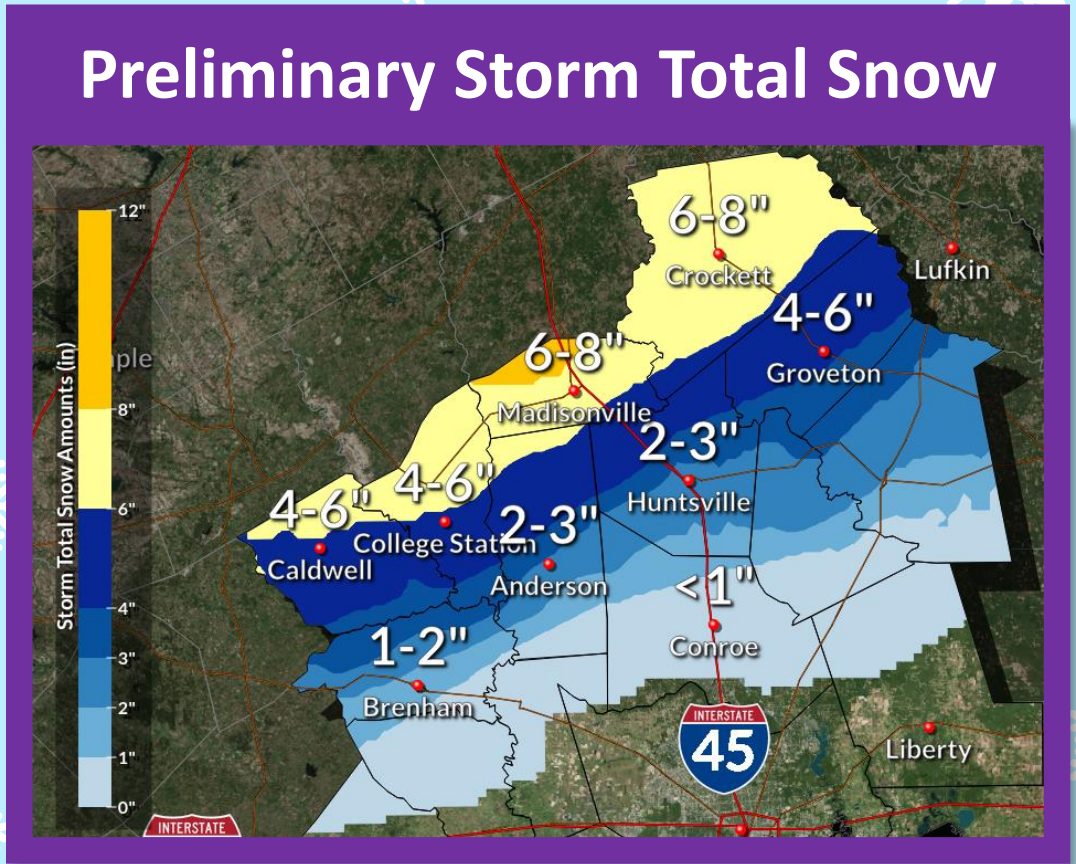
El Niño or La Niña Advisory: Issued when El Niño or La Niña conditions are observed and expected to continue.



January 10th Winter Storm

A complex low pressure system moved across Southeast Texas on Sunday, January 10th bringing the first measurable snow to parts of the region in over three years. Generally around 4 to 6 inches of snow fell in portions of Burleson, Brazos, Madison, and Houston counties. A trace to 3 inches fell in portions of Washington, Grimes, Walker, and Trinity Counties. The highest snow report received was 8.5 inches in northern Madison County just south of Normangee. A wintry mix of rain and sleet was reported as far south as the City of Houston and Sugar Land.

Visit <https://www.weather.gov/hgx/Jan2021WinterStorm> for more information.



Snowy Barn Scene in Caldwell (via Dan Kuciema on Facebook)



Snowy Roads in Madisonville (via Kyle Sikes on Twitter)

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.

