



NWS Houston, Texas November 2021 Regional Climate Summary

Produced by Jimmy Fowler

...Continued Drier than Normal Weather with Large Temperature Swings due to Cold Front Passages...

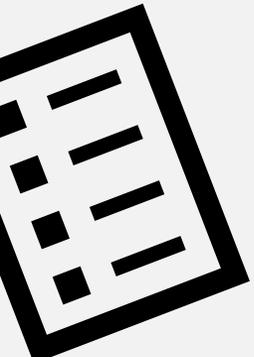
Temperature-wise, November was around normal with most locations within a degree of normal average temperatures with coastal locations up around two degrees above normal. Multiple cold fronts moved through the area causing temperatures ups and downs. The entire region saw below normal precipitation with continued drought conditions experienced across the north. Only two daily records were set this month: Record high temperature set on the 17th at Houston-Hobby and a daily rainfall record on the 25th for the City of Houston.

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By the Numbers: November 2021



Location (records started)	Average Temp	Ranking	Total Rainfall	Ranking
City of Houston, TX (1888)	61.4°F	68 th Warmest	3.85"	49 th Wettest
Houston Hobby, TX (1930)	64.5°F	22 nd Warmest	2.23"	33 rd Driest
City of Galveston, TX (1871)	67.3°F	19 th Warmest	1.26"	22 nd Driest
City of College Station, TX (1882)	61.2°F	47 th Warmest	2.46"	58 th Driest
Conroe, TX (1997)	57.2°F	8 th Coolest	4.04"	12 th Wettest
Huntsville, TX (1997)	60.6°F	13 th Warmest	1.79"	8 th Driest
Sugar Land, TX (2000)	63.4°F	12 th Coolest	1.84"	7 th Driest
Palacios, TX (1943)	63.6°F	37 th Coolest	2.57"	40 th Driest
Clover Field (Pearland), TX (1997)	62.7°F	11 th Coolest	0.97"	5 th Driest
David Wayne Hooks (Tomball), TX (1998)	60.5°F	10 th Coolest	2.21"	10 th Driest
Angleton, TX (1998)	63.0°F	10 th Coolest	1.74"	5 th Driest
League City, TX (1990)	62.1°F	14 th Coolest	1.60"	6 th Driest

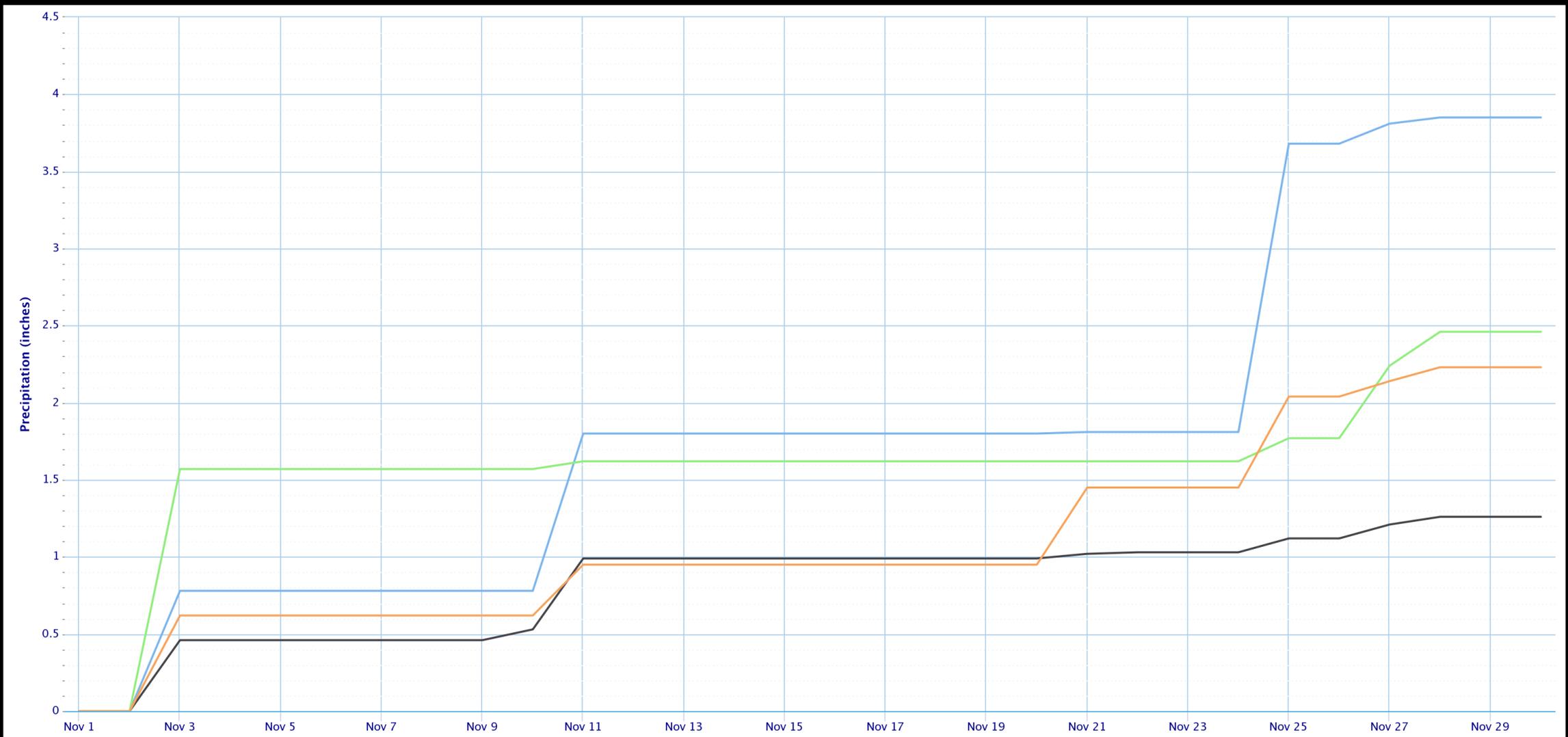


Precipitation

Location	Total Precipitation (in.)	Departure from Normal (in.)	Number of Thunder Days	Maximum Daily Precipitation (in./date)	
Galveston (GLS)	1.26	-3.02	2	0.46	3 rd & 11 th
Houston Hobby (HOU)	2.23	-1.67	2	0.62	3 rd
City of Houston (IAH)	3.85	-0.02	3	1.87	25 th
College Station (CLL)	2.46	-0.85	2	1.57	3 rd



Precipitation Accumulation Graph



City of Houston

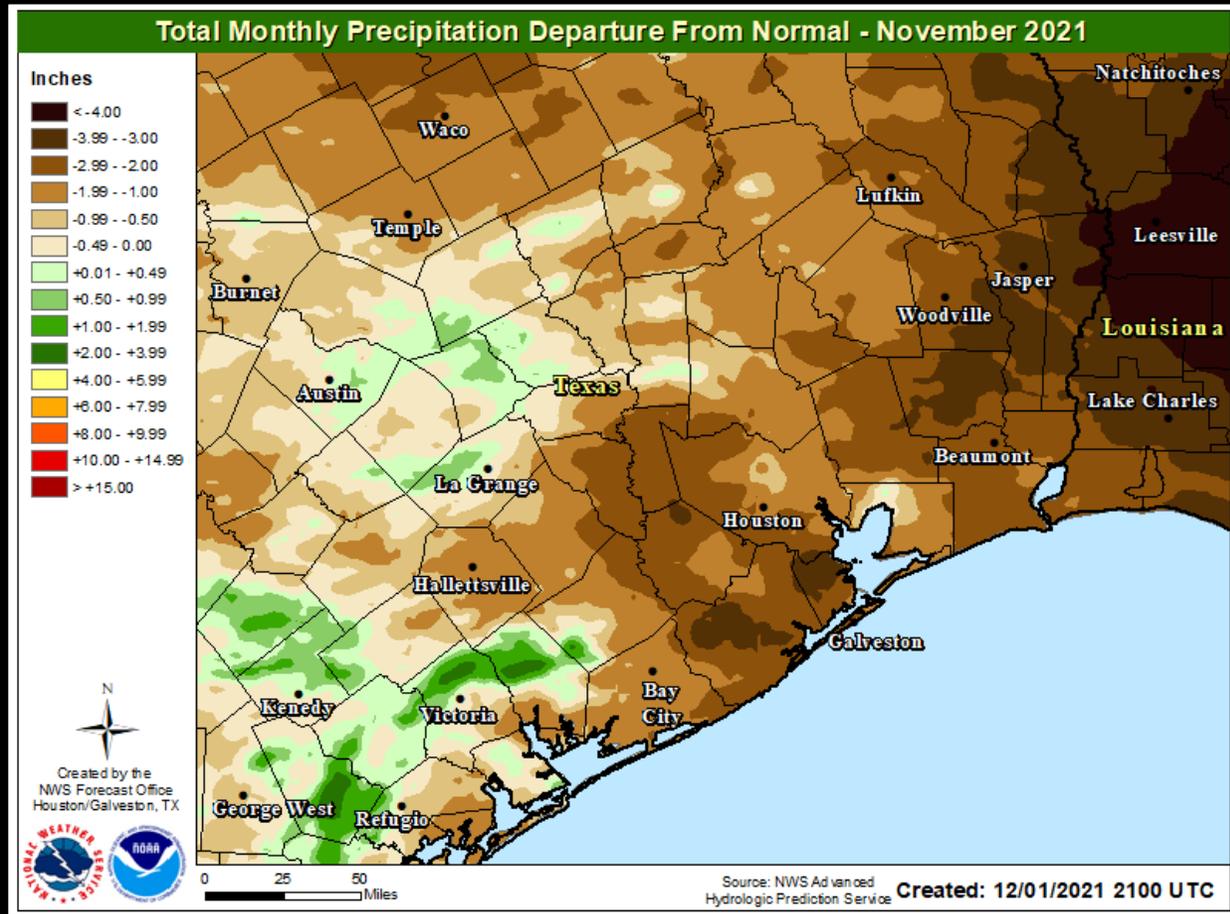
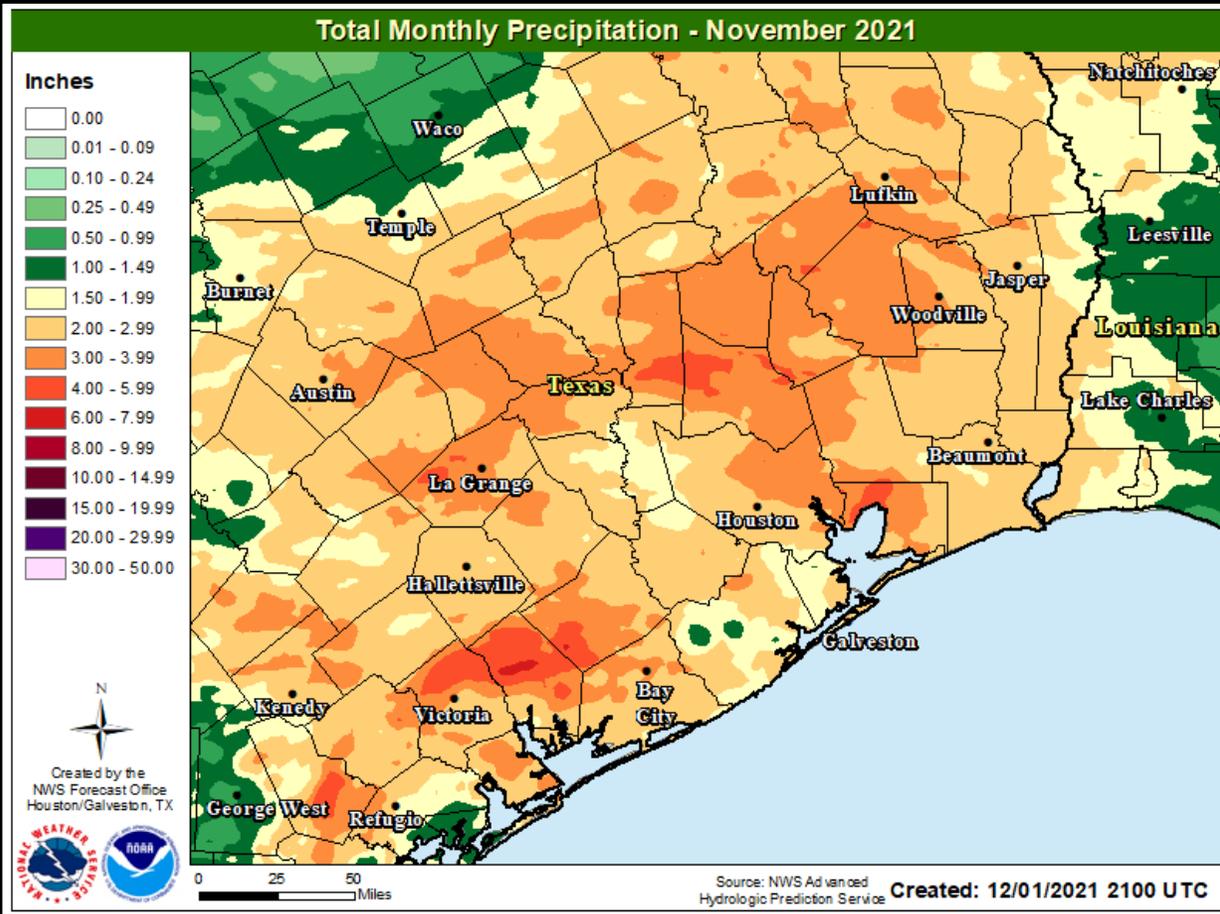
City of Galveston

City of College Station

Houston-Hobby



Precipitation Maps

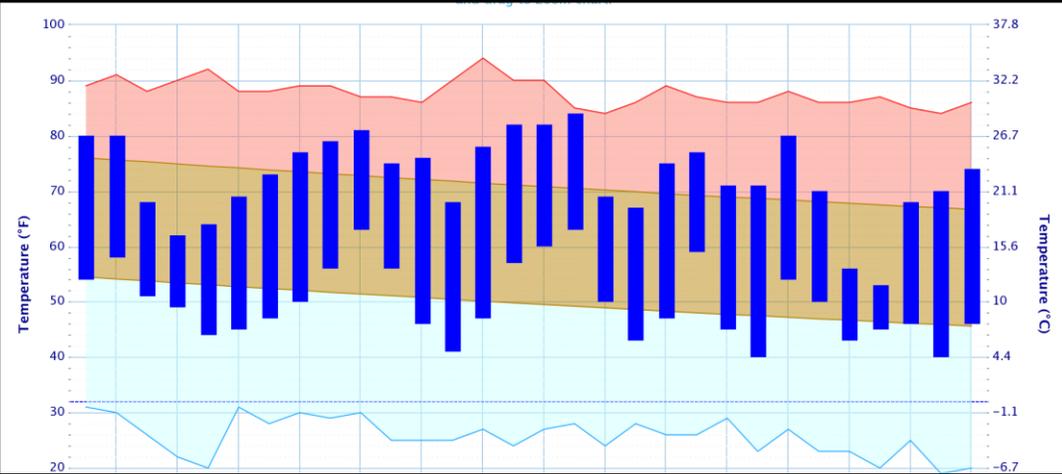


Temperature

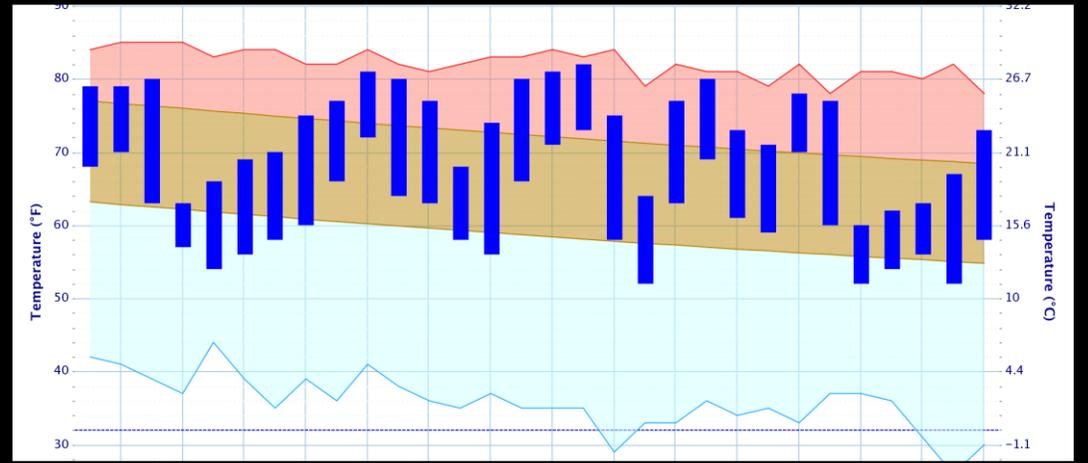
Location	Average High Temp (F)	Average Low Temp (F)	Average Temp (F)	Normal Average Temp (F)	Departure From Normal Average (F)	Maximum Temperature (F)	Minimum Temperature (F)
Galveston (GLS)	73.4	61.3	67.3	65.5	+1.8	82 on the 17 th	52 on the 19 th , 26 th & 29 th
Houston Hobby (HOU)	74.5	54.5	64.5	63.3	+1.2	87 on the 17 th	46 on the 29 th
City of Houston (IAH)	73.0	49.8	61.4	62.0	-0.6	85 on the 17 th	43 on the 23 rd
College Station (CLL)	72.6	49.8	61.2	60.4	+0.8	84 on the 17 th	40 on the 23 rd & 29 th

Temperature Charts

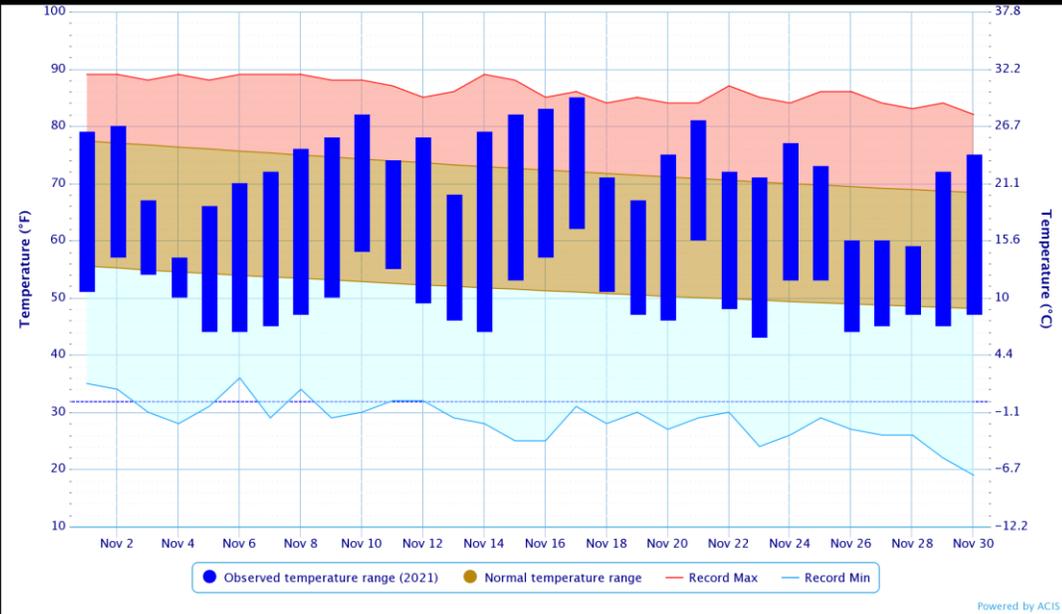
City of College Station



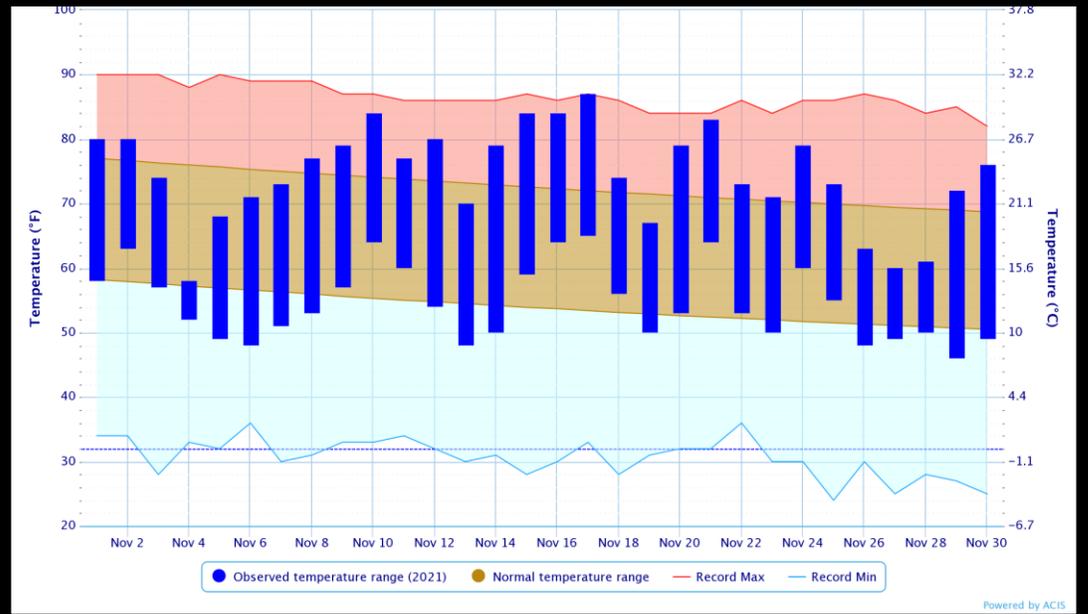
City of Galveston



City of Houston



Houston-Hobby



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Daily Record Reports

Site	Date	Record Type	New Record	Previous Record
City of Houston	November 25 th	Daily Maximum Rainfall	1.87"	1.70" in 1987
Houston-Hobby	November 17 th	High Maximum Temp	87°	85° in 1964

There were 2 daily records set during the month of November.



Key

High Max

Low Max

Precip

Snow

High Min

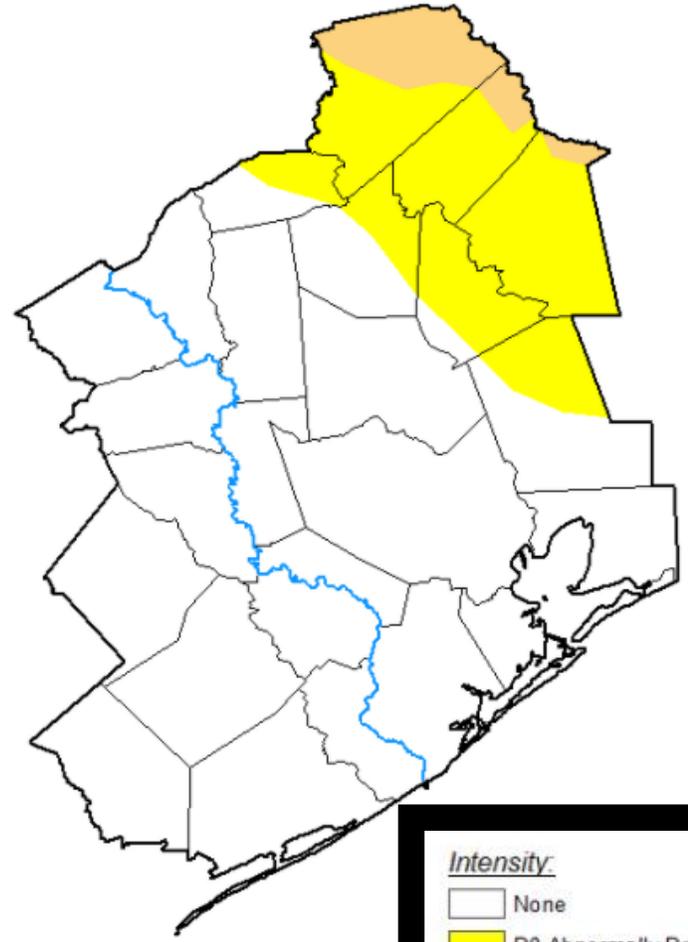
Low Min

Drought Monitor As of November 30th

Not much change in drought conditions from the start to the end of the month. There was some short lived D0-Abnormally Dryness in the middle of the month across the southwestern portions of the region, but beneficial rainfall at the end of the month helped moisten things backup. D1-Moderate Drought continues across the north.

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 |

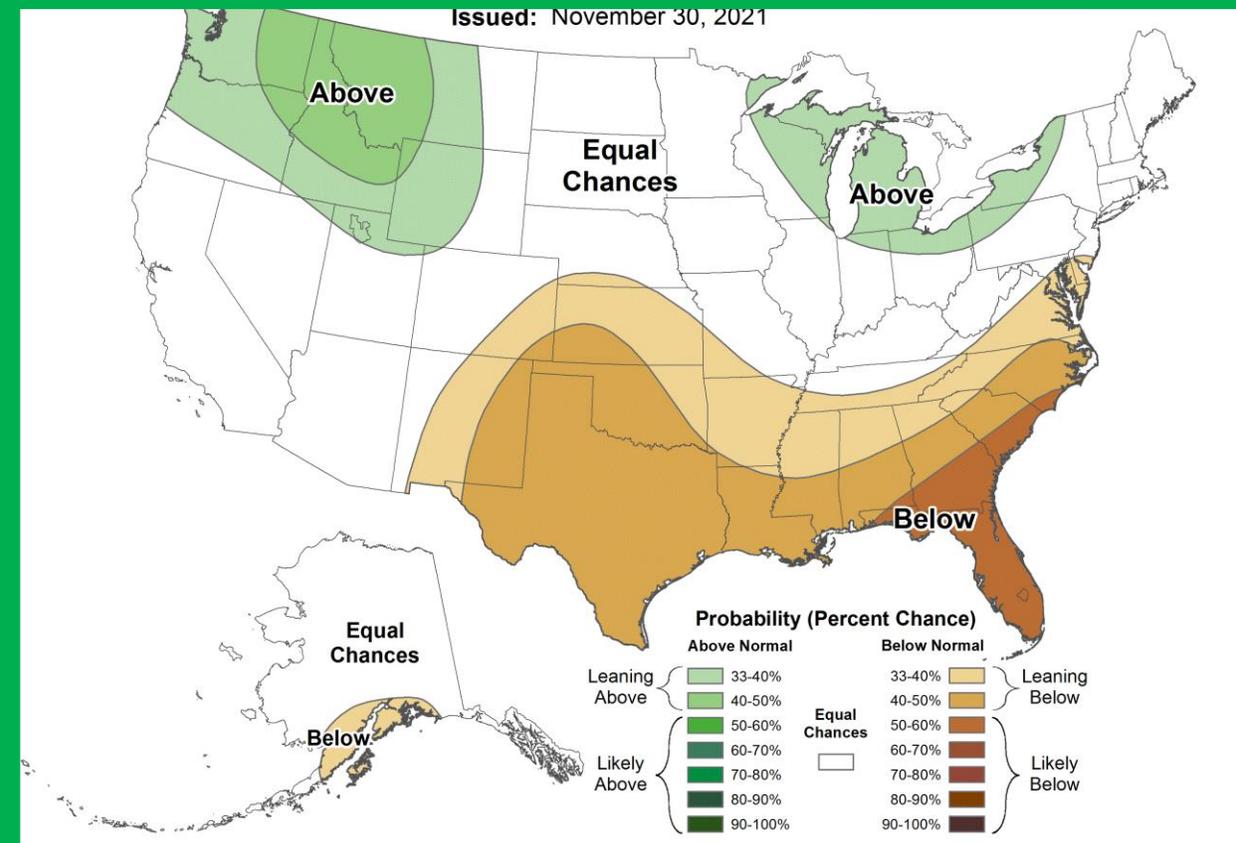
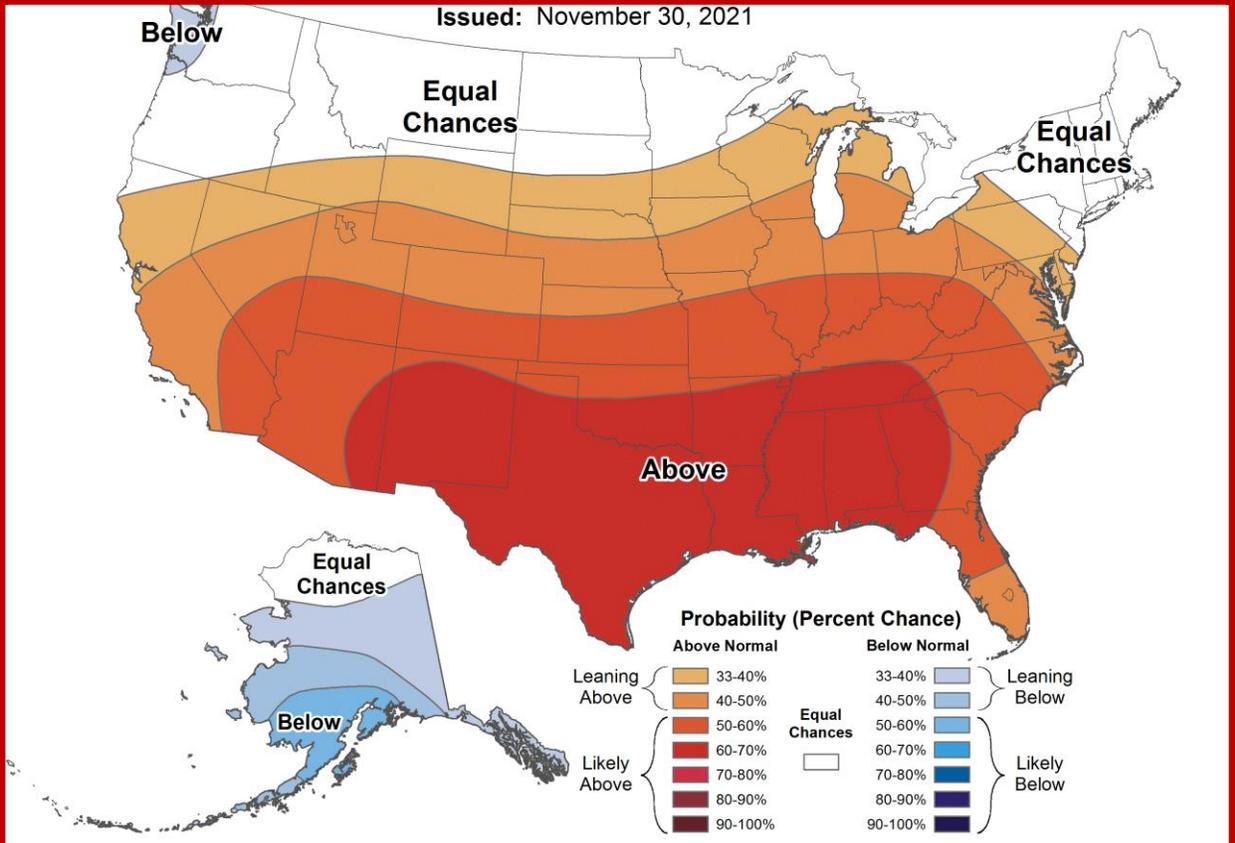
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>



December Outlook

Location	Average Temp(°F)	Normal High (°F)	Normal Low (°F)
Galveston	58.5	65.5	51.6
Houston Hobby	56.9	65.7	48.0
City of Houston	55.4	65.3	45.6
College Station	53.1	63.4	42.8

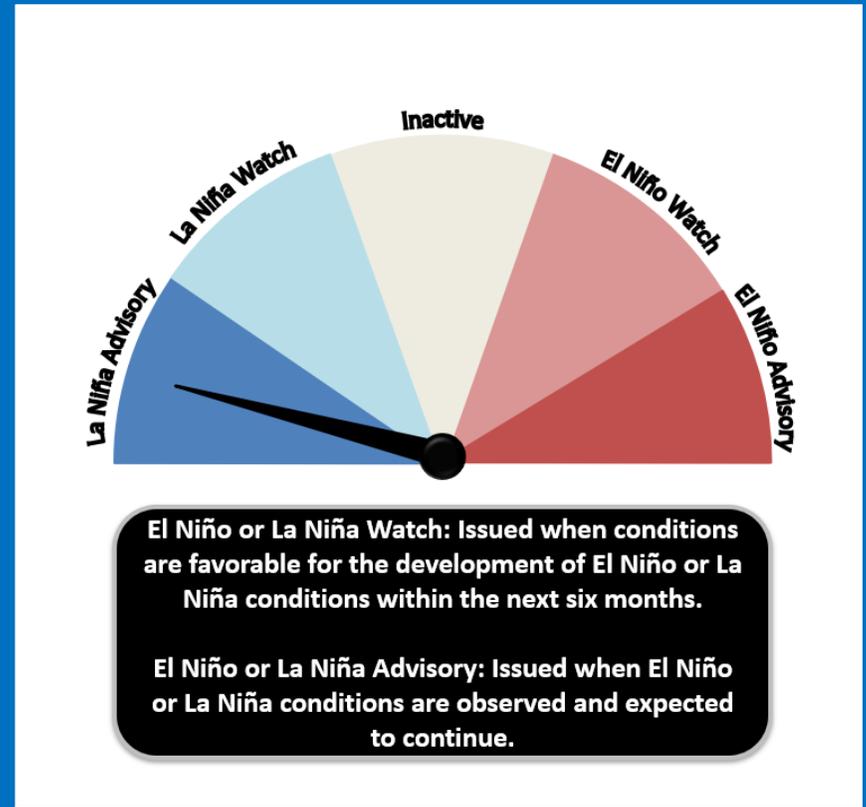
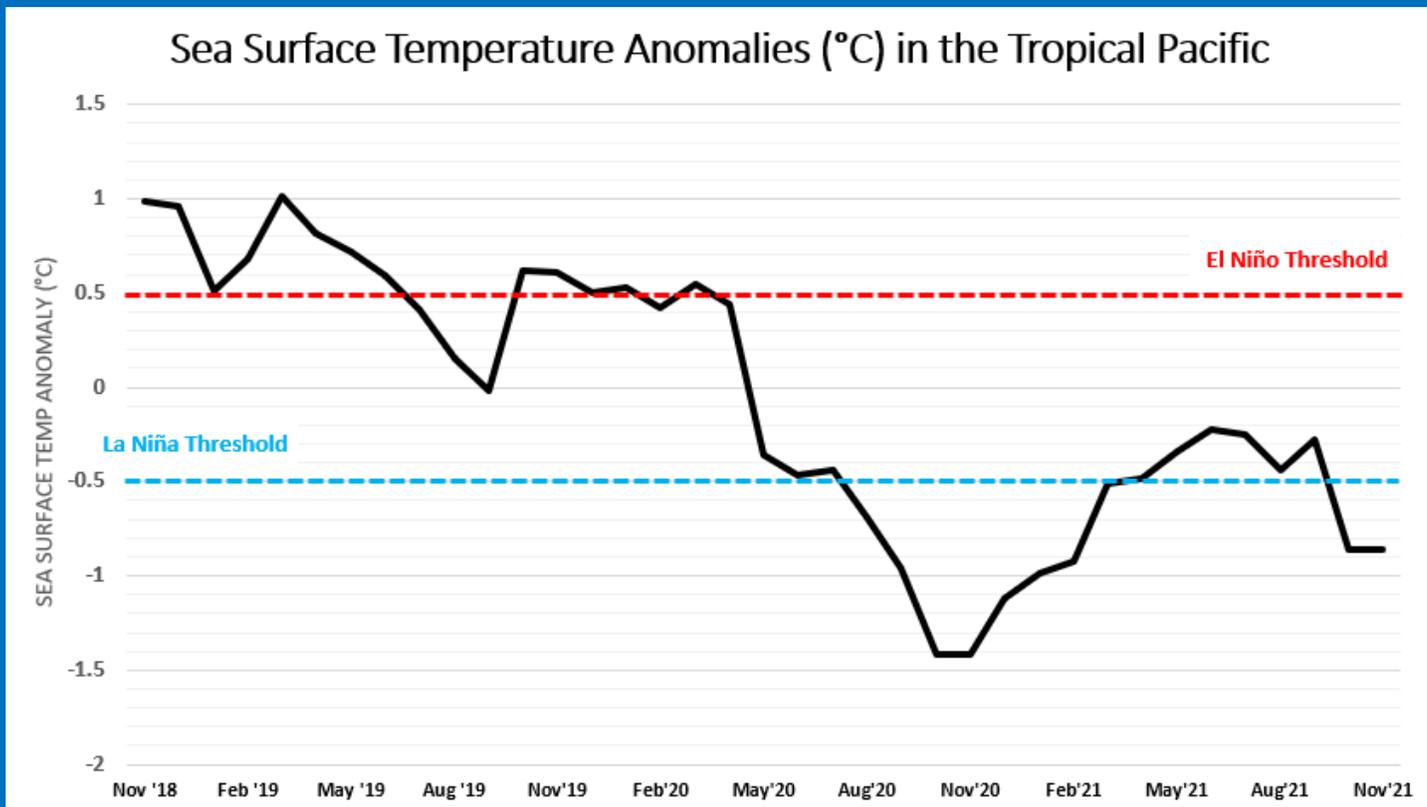
Location	Normal Monthly Precipitation (in.)
Galveston	4.23
Houston Hobby	4.34
City of Houston	4.03
College Station	3.71



Current ENSO Phase: **La Niña**

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

- La Niña conditions are expected to continue with 90% chance through the Winter, and then 50% chance of persisting through Spring.



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.

