

NWS Houston, Texas October 2022 Regional Climate Summary



Produced by Jimmy Fowler



...Dry weather persists across Southeast Texas leading to drought expansion...

The dry conditions experienced in September continued through October with most of the region seeing rainfall deficits of two to four inches. The rainfall that did fall occurred mainly on just one day, October 28th, when a cold front went through the region. If it wasn't for this system, the region would most likely would have been around four to six inches below normal. The dry conditions led to the drought degradation across the region with Extreme Drought (D3) expanding west of the Brazos River. Despite the dry weather, October was mostly cooler than normal by one to two degrees. Still had some lingering 90 degree weather through the first half of the month, but the first few significant cold fronts of the season brought cooler than normal conditions to end the month.

Photo Credit: NWS HGX Meteorologist Cameron Batiste

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By the Numbers: October 2022

Location (records started)	Average Temp	Ranking	Total Rainfall	Ranking
City of Houston, TX (1888)	70.0°F	42 nd Coolest	1.83 <mark>"</mark>	44 th Driest
Houston Hobby, TX (1930)	72.7°F	56 th Coolest	2.82"	42 nd Driest
City of Galveston, TX (1871)	74.0°F	61st Coolest	1.54"	40 th Driest
City of College Station, TX (1882)	71.4°F	40 th Warmest	1.85"	20 th Driest
Palacios, TX (1943)	72.0°F	32 nd Coolest	2.42"	35 th Driest
Huntsville, TX (1997)	70.1°F	13 th Warmest	2.15"	8 th Driest
Sugar Land, TX (2000)	71.0°F	7 th Coolest	2.27"	8 th Driest
Conroe, TX (1997)	66.8°F	3 rd Coolest	1.92"	8 th Driest
Clover Field (Pearland), TX (1997)	71.4°F	7 th Coolest	2.68"	11 th Driest
David Wayne Hooks (Tomball), TX (1998)	69.7°F	7 th Coolest	1.20"	5 th Driest
Angleton, TX (1998)	69.5°F	4 th Coolest	1.07"	5 th Driest
League City, TX (1990)	70.3°F	10 th Coolest	4.69"	15 th Wettest

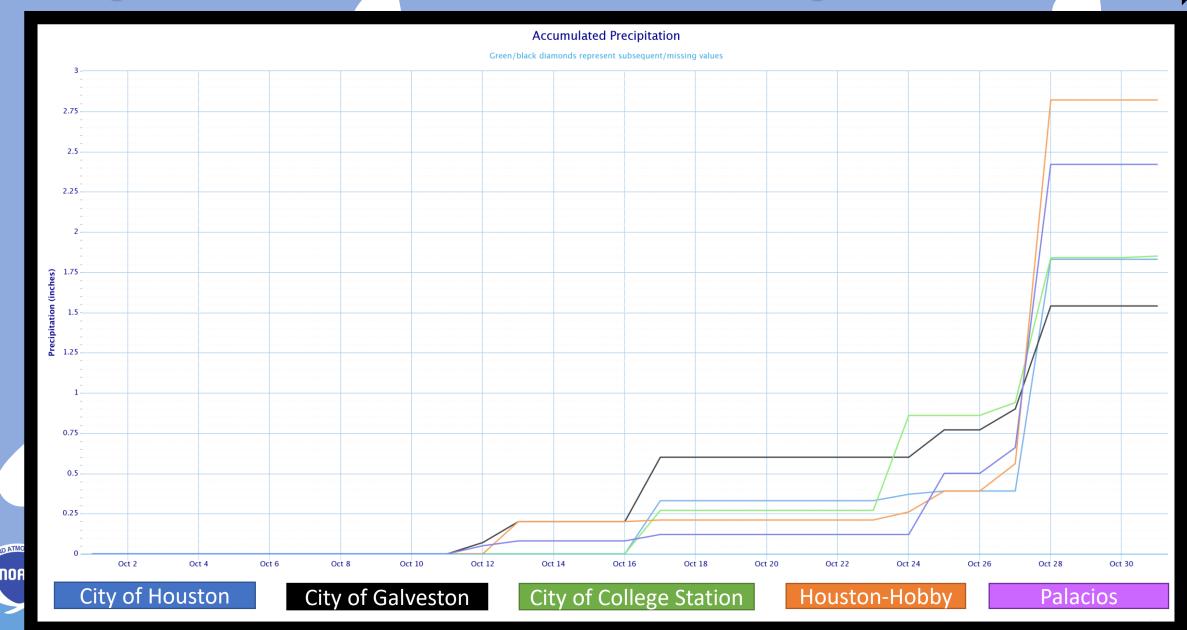




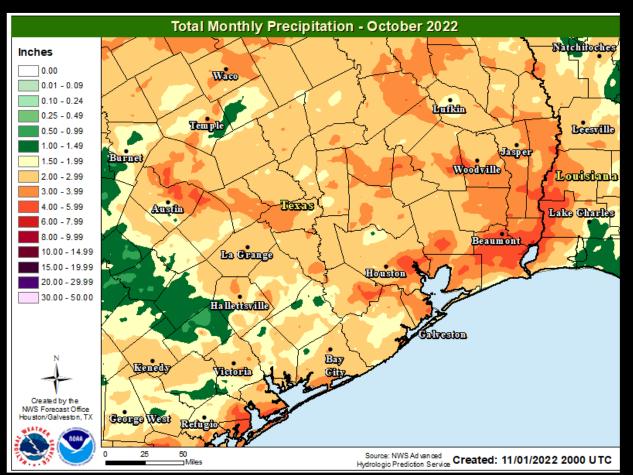
Precipitation

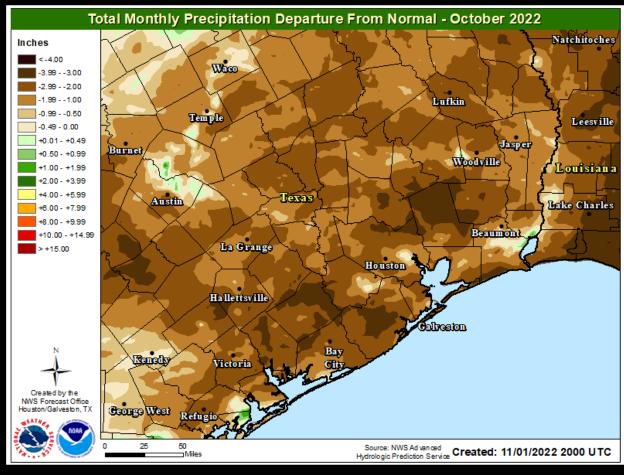
Location	Total Precipitation (in.)	Departure from Normal (in.)	Number of Thunder Days		ly Precipitation date)
Galveston (GLS)	1.54	-3.61	3	0.64	28 th
Houston Hobby (HOU)	2.82	-2.96	4	2.26	28 th
City of Houston (IAH)	1.83	-3.63	1	1.44	28 th
College Station (CLL)	1.85	-3.08	4	0.90	28 th
Palacios (PSX)	2.42	-1.91	2	1.76	28 th

Precipitation Accumulation Graph



Precipitation Maps









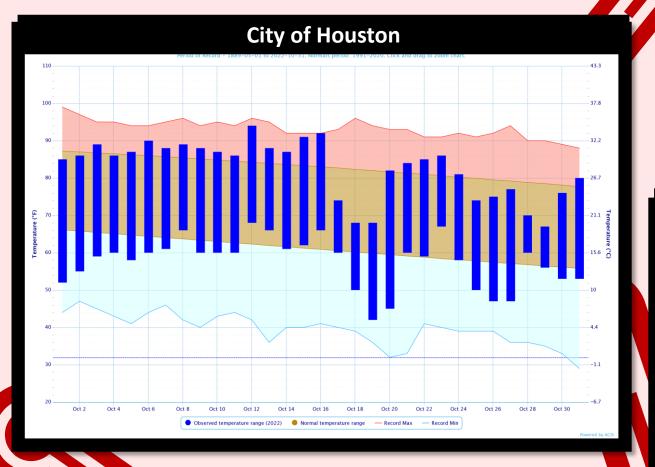
Temperature

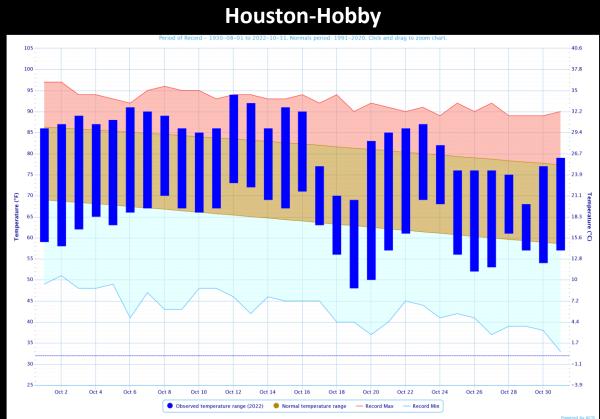
Location	Average High Temp (F)	Average Low Temp (F)	Average Temp (F)	Departure From Normal Average (F)	Maximum Temperature (F)	Minimum Temperature (F)
Galveston (GLS)	80.7	62.7	74.0	-1.3	89 on the 7 th	50 on the 19 th
Houston Hobby (HOU)	83.3	62.1	72.7	-0.3	94 on the 12 th	48 on the 19 th
City of Houston (IAH)	82.6	57.5	70.0	-1.8	94 on the 12 th	42 on the 14 th
College Station (CLL)	84.0	58.8	71.4	+0.3	95 on the 12 th	42 on the 19 th
Palacios (PSX)	83.1	60.8	72.0	+1.9	91 on the 8 th	43 on the 19 th













Daily Record Reports - City of College Station



 Date
 Record Type
 New Record
 Previous Record

No Daily Records.





Low Max

Precip

Key

Snow



Daily Record Reports - City of Houston



Date	Record Type	New Record	Previous Record
16 th	High Maximum	92° - T	92° in 1989

Low Max





Key

Precip

Snow

High Min

Low Min

Daily Record Reports - Houston-Hobby



Date	Record Type	New Record	Previous Record
14 th	High Maximum	94° - T	94° in 1991





Low Max

Precip

Key

Snow



Daily Record Reports - City of Galveston



 Date
 Record Type
 New Record
 Previous Record

No Daily Records.





Low Max

Precip

Key

Snow



Daily Record Reports - Palacios

14	

Date	Record Type	New Record	Previous Record
19 th	Low Minimum	43° - T	43° in 1989
24 th	High Minimum	77° - T	77° in 2010

Low Max





Precip

Key

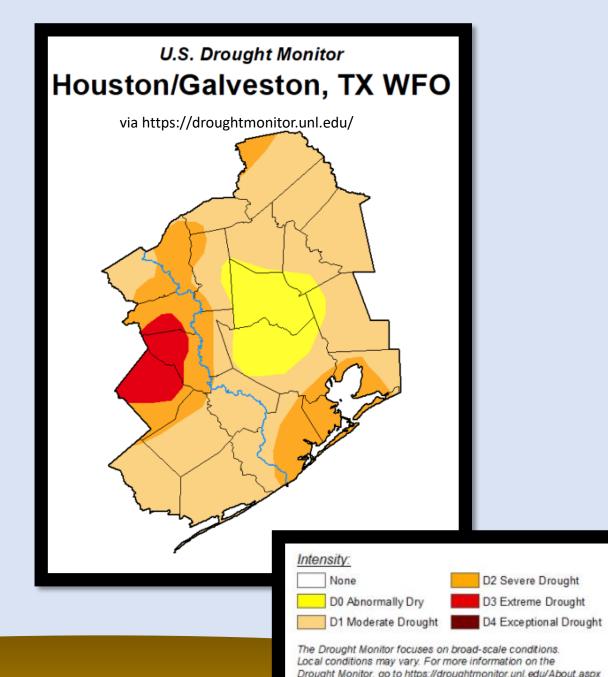
Snow



15

Drought Monitor As of November 1st

The continued drier than normal conditions have led to drought persistence and expansion through the month of October. Extreme Drought (D3) has expanded to include northern Colorado, western Austin, and southern Washington counties. Severe Drought (D2) conditions are currently being experienced in parts of Houston, Burleson, Brazos, Madison, Grimes, Waller, Wharton, Brazoria, Harris, Chambers, and Galveston counties. Moderate Drought (D1) is most of the rest of the area with the exception of Montgomery County that just has Abnormally Dry (D0) conditions.

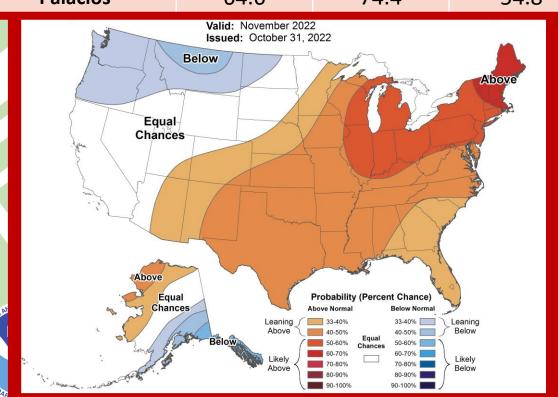




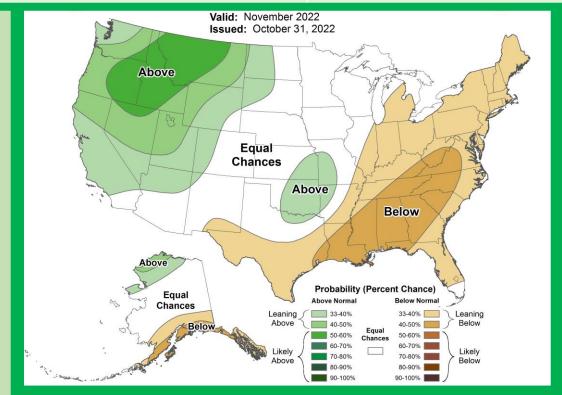


November Outlook

Location	Average Temp(°F)	Normal High (°F)	Normal Low (°F)
Galveston	65.5	72.4	58.7
Houston Hobby	63.3	72.6	54.0
City of Houston	62.0	72.6	51.5
College Station	60.4	71.1	49.8
Palacios	64.6	74.4	54.8



Location	Normal Monthly Precipitation (in.)
Galveston	4.28
Houston Hobby	3.90
City of Houston	3.87
College Station	3.31
Palacios	3.39



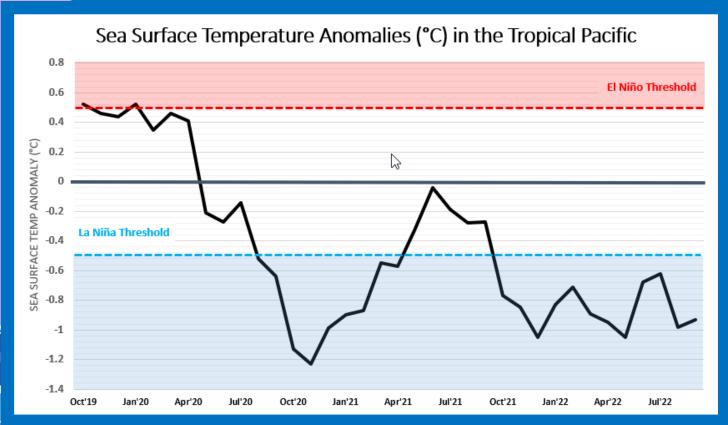


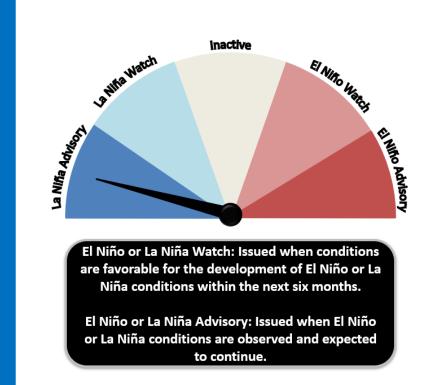
Current ENSO Phase: La Niña

The Climate Prediction Center's ENSO Forecast:

La Niña Advisory

• La Niña conditions are expected to continue through the Winter.









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).

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.

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.

Houston Hobby (HOU)

Records are based upon observations beginning in August 1931.

Palacios (PSX)

Records are based upon observations beginning in February 1943.



