



NWS Houston, Texas May 2020 Regional Climate Summary

Produced by Jimmy Fowler



...Wet Conditions brought Continued Drought Improvements...

Multiple days of heavy rainfall across the area brought drought relief to the entire region. While most of the primary climate sites saw near to below average precipitation, the rest of the area saw above average precipitation – including the southwestern counties which were experiencing the worst drought. Houston-Hobby set a new daily precipitation record on May 5th with 2.17” of rain, beating the old May 5th record of 1.63” of rain set back in 1935. Temperatures across the area continued to be above normal and Galveston experienced its ninth warmest May on record.

Also included in this summary is not only the outlook for the month of June, but also the outlooks for the summer and tropical seasons from the Climate Prediction Center. Warmer than normal temperatures are expected to continue through the summer. While above normal precipitation is expected for the month of June, there are near equal chances of the region experiencing below or above normal precipitation for the entire summer season. This tropical season looks to be a busy one with a sixty percent chance of an above normal season.

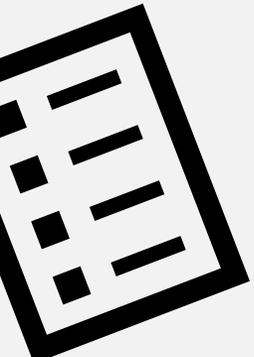
Photo Credit:
NWS HGX Meteorologist
Jimmy Fowler

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By the Numbers: May 2020



Location (records started)	Average Temp	Ranking	Total Rainfall	Ranking
City of Houston, TX (1888)	78.0°F	26 th Warmest	3.56"	59 th Driest
Houston Hobby, TX (1930)	78.5°F	11 th Warmest	8.06"	13 th Wettest
City of Galveston, TX (1871)	78.9°F	9 th Warmest	3.75"	55 th Wettest
City of College Station, TX (1882)	76.5°F	37 th Warmest	4.11"	62 nd Wettest
Conroe, TX (1997)	75.4°F	10 th Warmest	4.36"	11 th Wettest
Huntsville, TX (1997)	76.0°F	10 th Coolest	2.05"	7 th Driest
Sugar Land, TX (2000)	77.8°F	10 th Warmest	5.29"	9 th Wettest
Palacios, TX (1943)	78.0°F	22 nd Warmest	4.60"	30 th Wettest
Clover Field (Pearland), TX (1997)	78.0°F	10 th Warmest	5.37"	9 th Wettest
David Wayne Hooks (Tomball), TX (1998)	76.6°F	13 th Warmest	4.76"	10 th Wettest
Angleton, TX (1998)	76.6°F	13 th Warmest	5.39"	6 th Wettest
League City, TX (1990)	77.4°F	10 th Warmest	11.61"	Wettest on Record



Precipitation

Location	Total Precipitation (in.)	Departure from Normal (in.)	Number of Thunder Days	Maximum Daily Precipitation (in./date)	
Galveston (GLS)	3.75	-0.57	11	1.02	25 th
Houston Hobby (HOU)	8.06	+3.31	13	2.17 <i>Daily Record</i>	5 th
City of Houston (IAH)	3.56	-1.53	10	1.50	24 th
College Station (CLL)	4.11	-0.22	5	1.36	12 th

In general, the area saw a wetter than normal May, but you wouldn't think that just by looking at the primary climate sites. The cities of Galveston and College Station saw just below normal precipitation for the month, while the City of Houston was about an inch and a half below normal. Houston-Hobby tells a different story (but is more in line with the rest of the area) where it was over 3 inches above normal, and even set a daily precipitation record on May 5th when 2.17" of rain fell. The NWS office in Dickinson experienced its wettest May on record with 11.61" rain for the month.



Precipitation Accumulation Graph

Accumulated Precipitation

Green/black diamonds represent subsequent/missing values



City of Houston

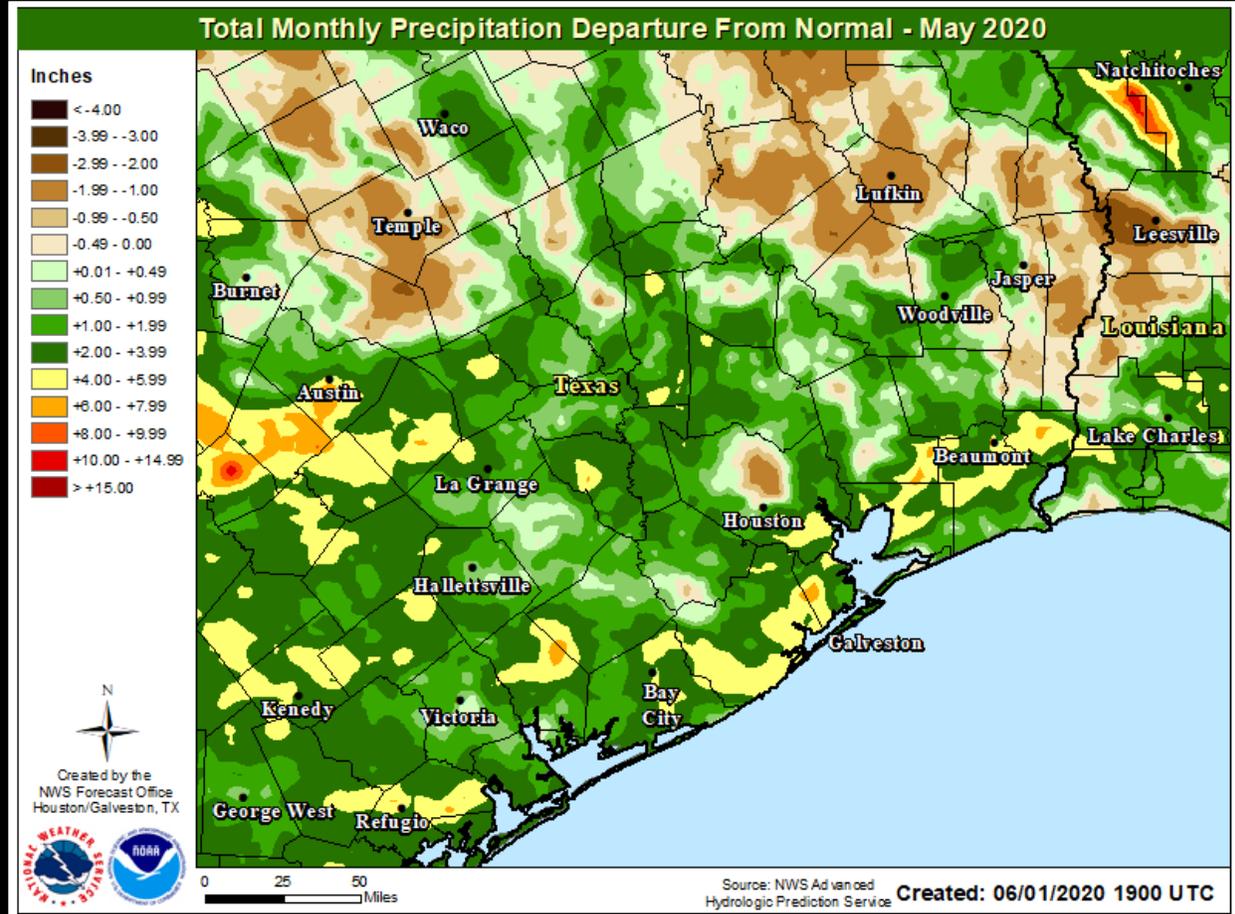
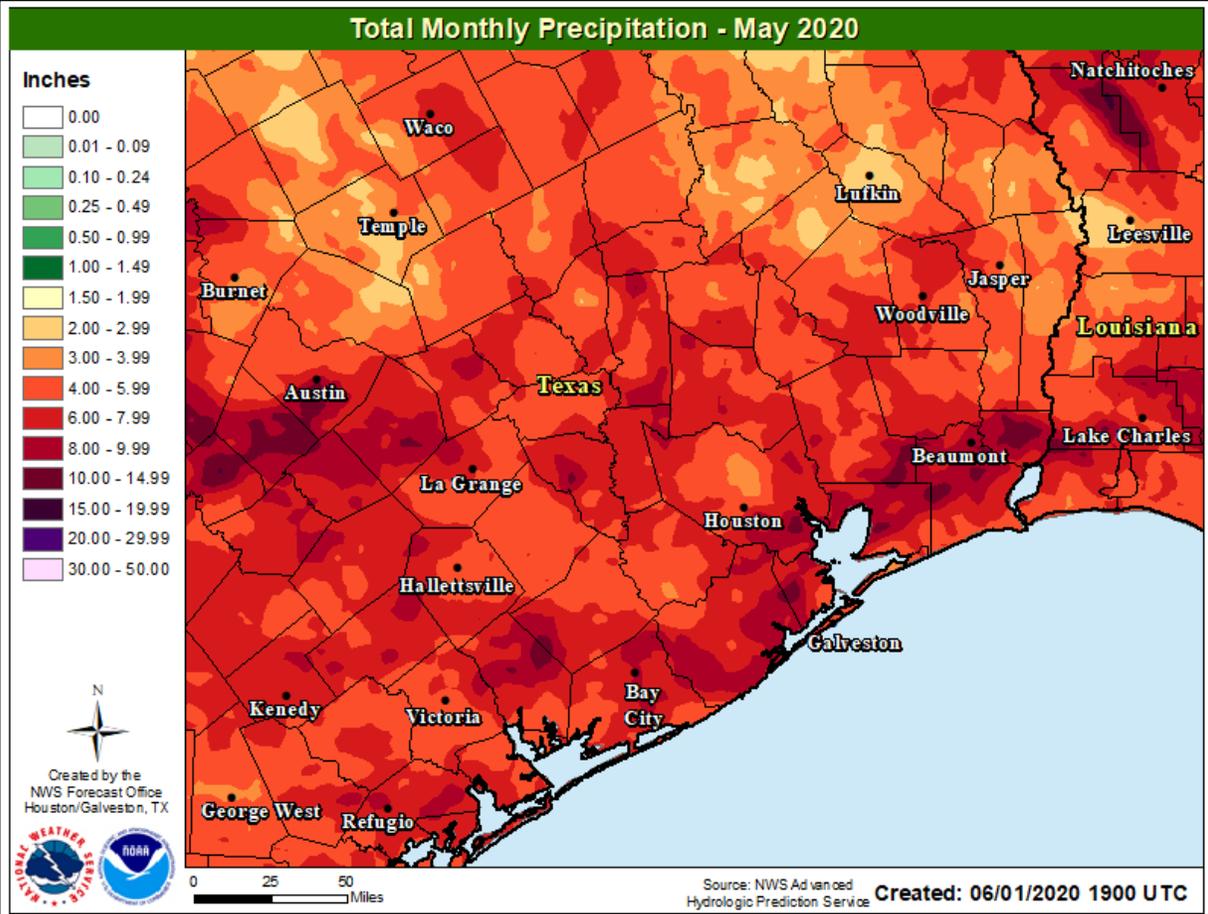
City of Galveston

City of College Station

Houston-Hobby



Precipitation Maps



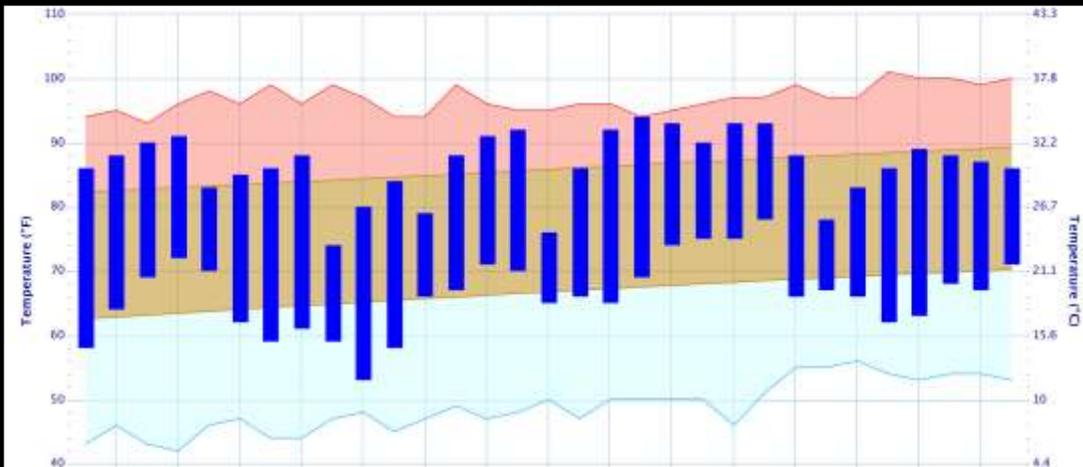
Temperature

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)	84.7	73.1	78.9	77.6	+1.3	90 on the 17 th	64 on the 9 th & 10 th
Houston Hobby (HOU)	87.5	69.6	78.6	77.1	+1.5	94 on the 20 th	61 on the 1 st & 10 th
City of Houston (IAH)	88.2	67.7	78.0	76.9	+1.1	95 on the 20 th	56 on the 10 th
College Station (CLL)	86.7	66.3	76.5	76.2	+0.3	94 on the 19 th	53 on the 10 th

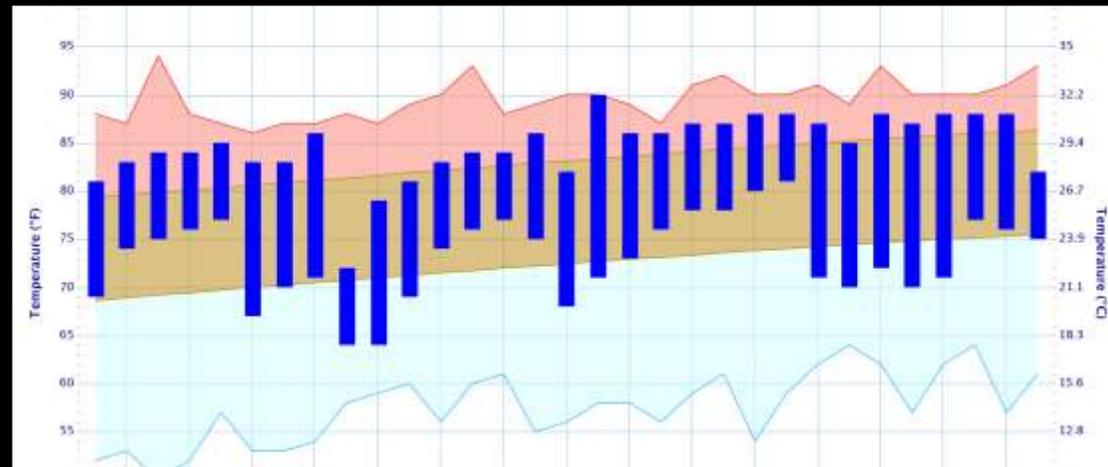
The area continued its stretch of warmer than normal months with most of the primary climate sites experiencing average temperatures about one degree above normal. College Station is the exception as it was only 0.3° above normal. There were seven daily temperature records set during the month of May at these sites, and the City of Galveston experienced its ninth warmest May on record.

Temperature Charts

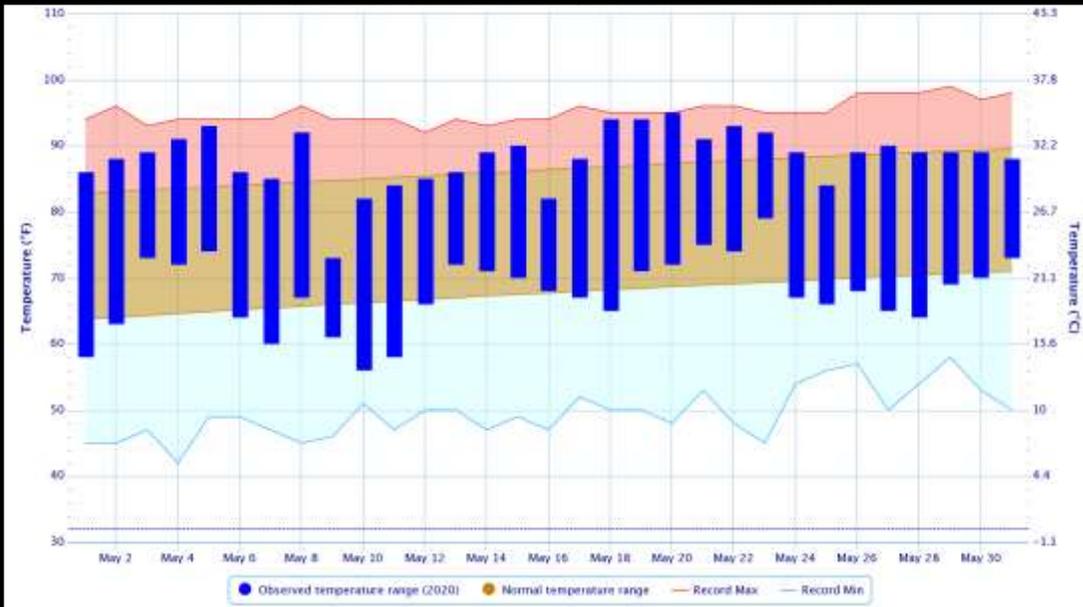
City of College Station



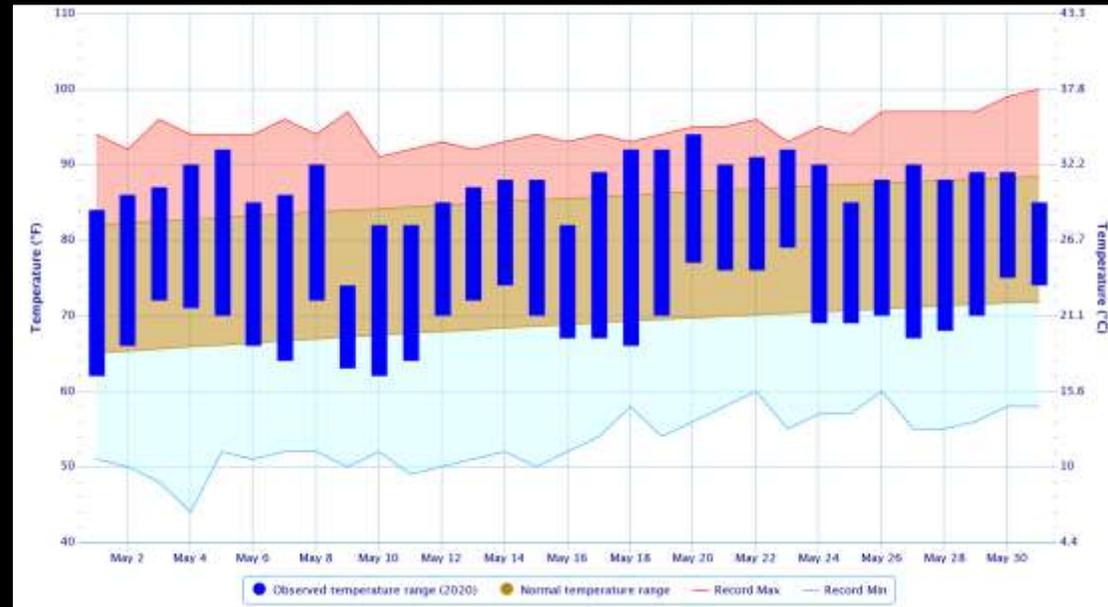
City of Galveston



City of Houston



Houston-Hobby



Daily Record Reports

Site	Date	Record Type	New Record	Previous Record
City of College Station	May 19 th	High Max Temperature	94° - T	94° in 2006
City of Houston	May 20 th	High Max Temperature	95° - T	95° in 2008
City of Houston	May 23 rd	High Min Temperature	79°	78° in 2019
Houston-Hobby	May 5 th	Daily Precipitation	2.17"	1.63" in 1935
City of Galveston	May 5 th	High Min Temperature	77° - T	77° in 2012
City of Galveston	May 17 th	High Max Temperature	90°	87° in 2018
City of Galveston	May 22 nd	High Min Temperature	80°	78° in 2019
City of Galveston	May 23 rd	High Min Temperature	81°	79° in 2019

There was 8 daily records set during the month of May.



High Max

Low Max

Precip

High Min

Low Min

Key

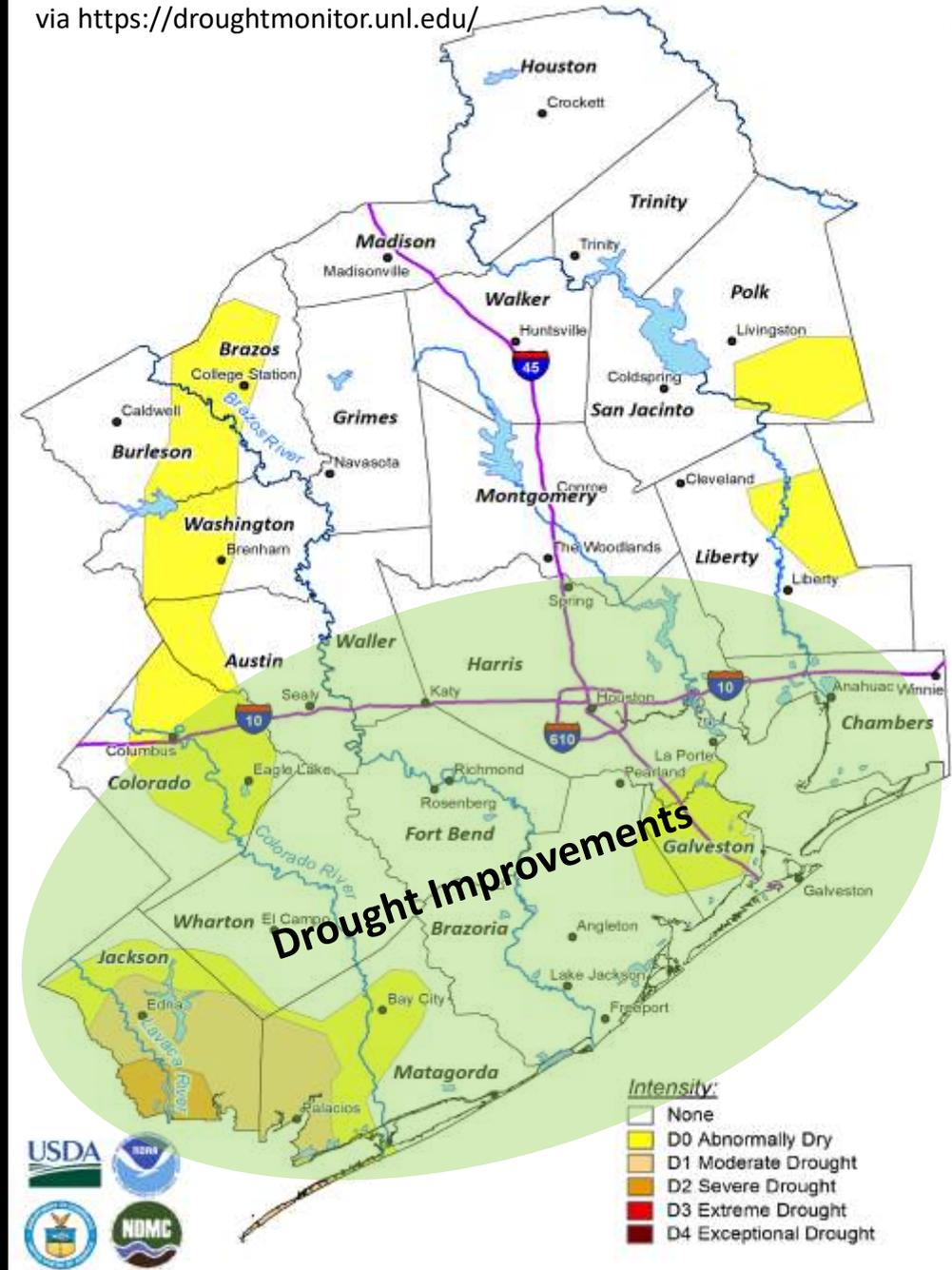


Drought Monitor

As of May 26thth

During May, drought conditions improved across the area due to above average rainfall. The drought that has been plaguing the southwestern counties has improved and shrunk in size with only a sliver of Severe Drought (D2) remaining in Jackson County. Additional rainfall after May 26th further improved these drought conditions.

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

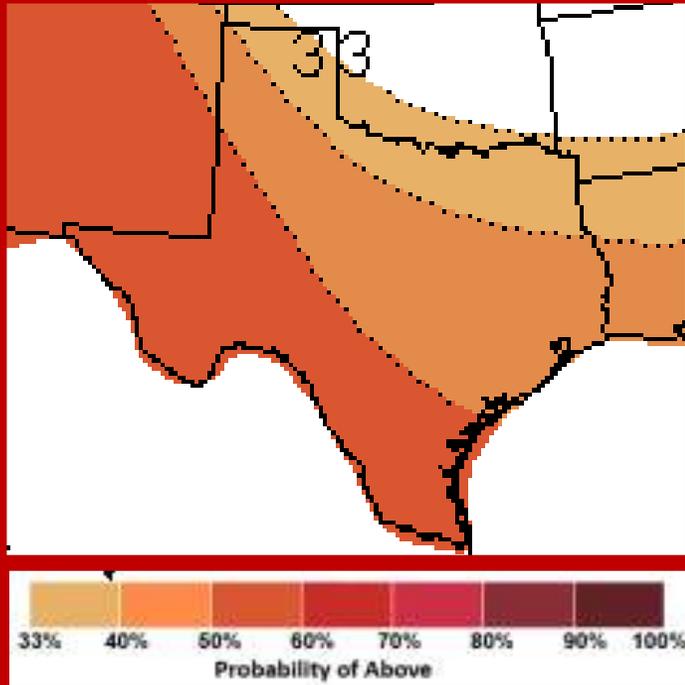


June Climatology & Outlook

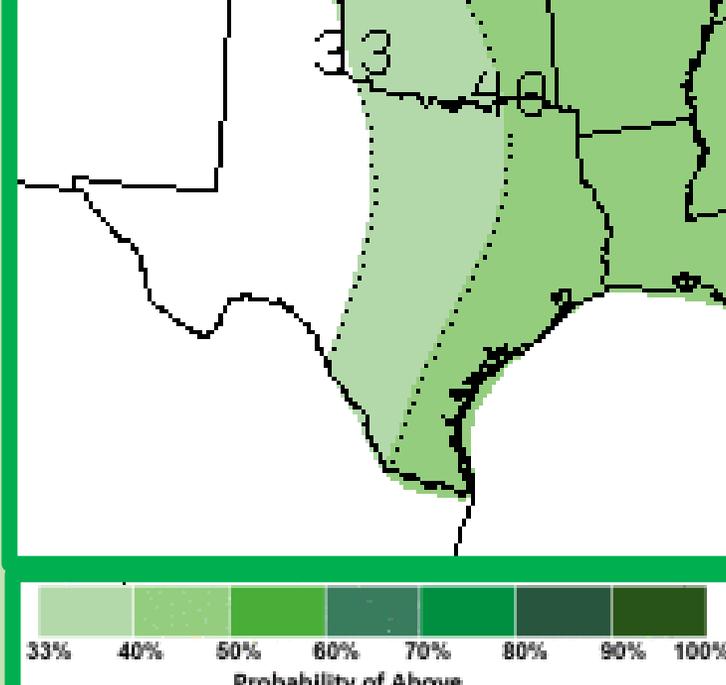
Location	Average Temp(°F)	Normal High (°F)	Normal Low (°F)
Galveston	82.9	88.2	77.5
Houston Hobby	82.0	90.1	73.9
City of Houston	82.4	91.4	73.3
College Station	82.2	91.7	72.7

Location	Normal Monthly Precipitation (in.)
Galveston	5.69
Houston Hobby	7.10
City of Houston	5.93
College Station	4.45

Temperature Outlook

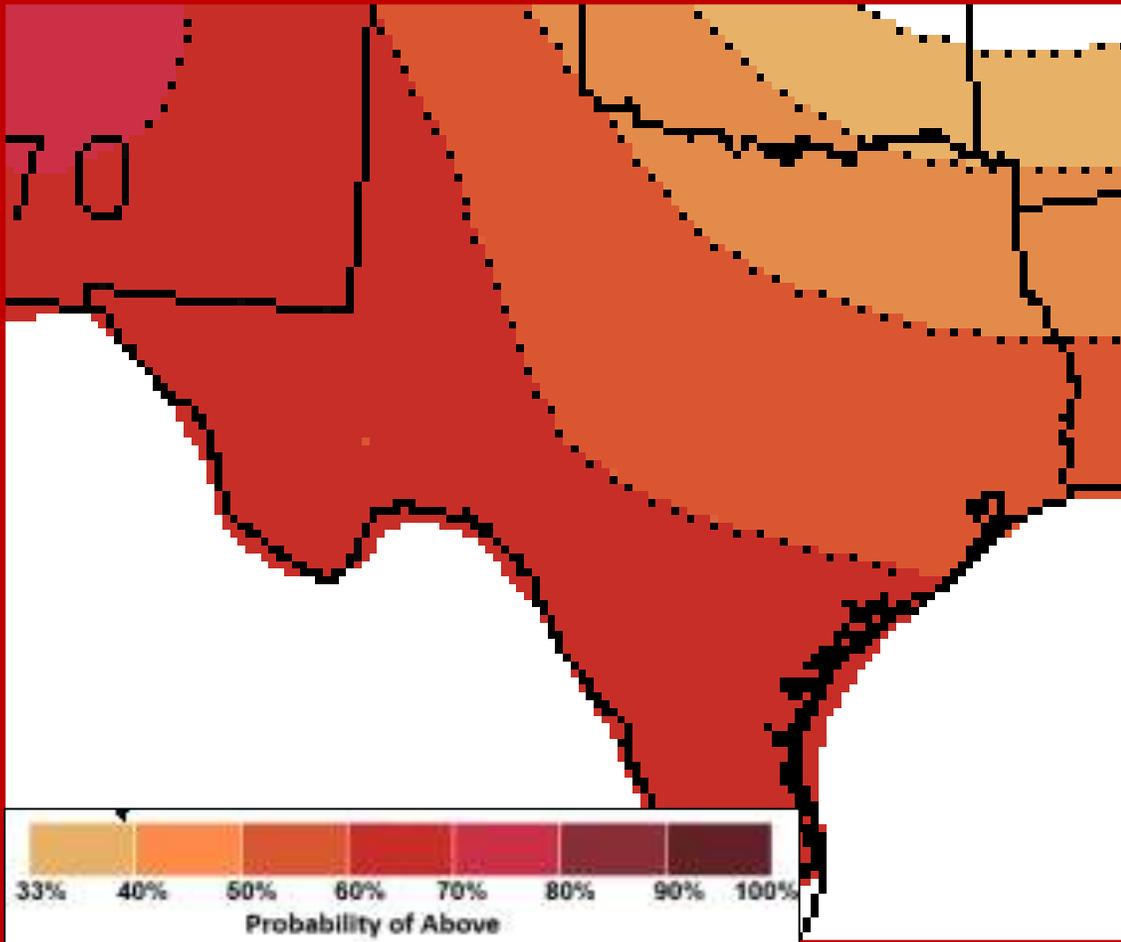


Precipitation Outlook

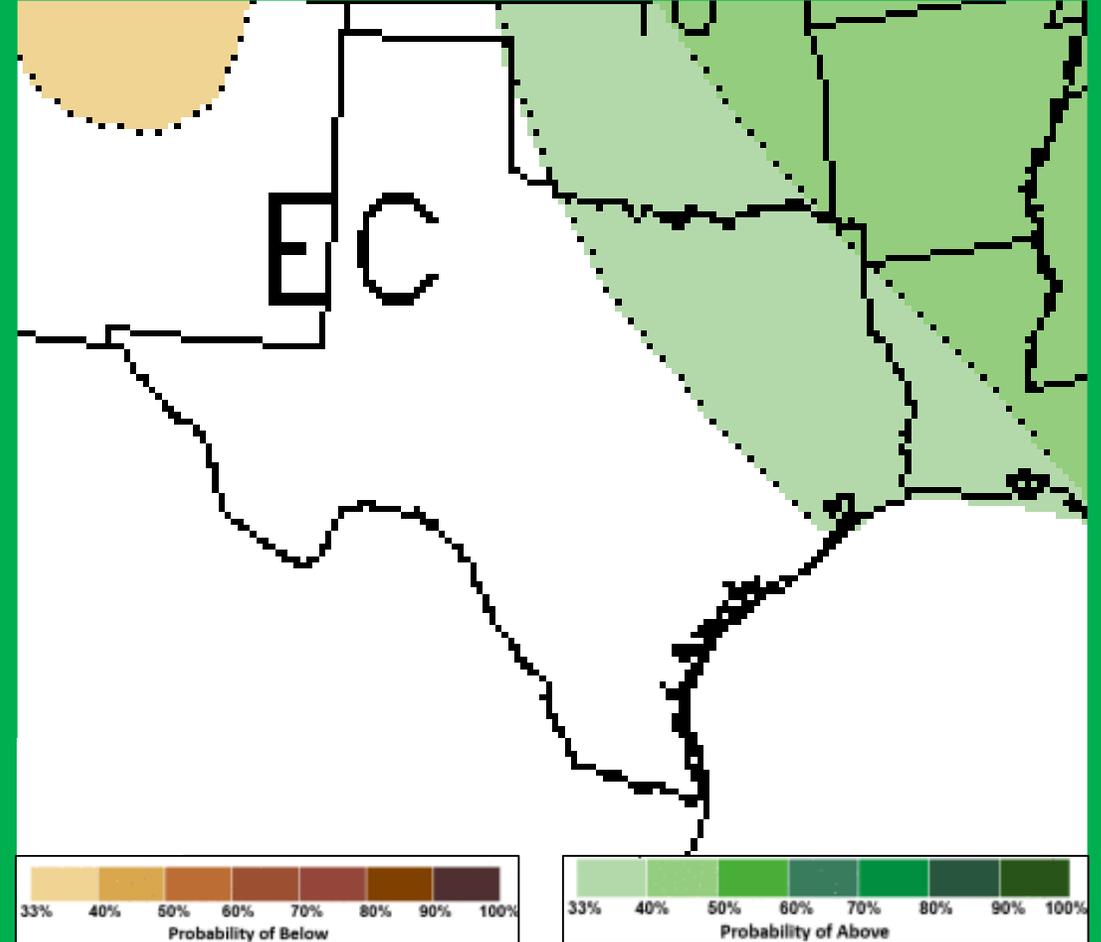


Summer Outlook (June – August)

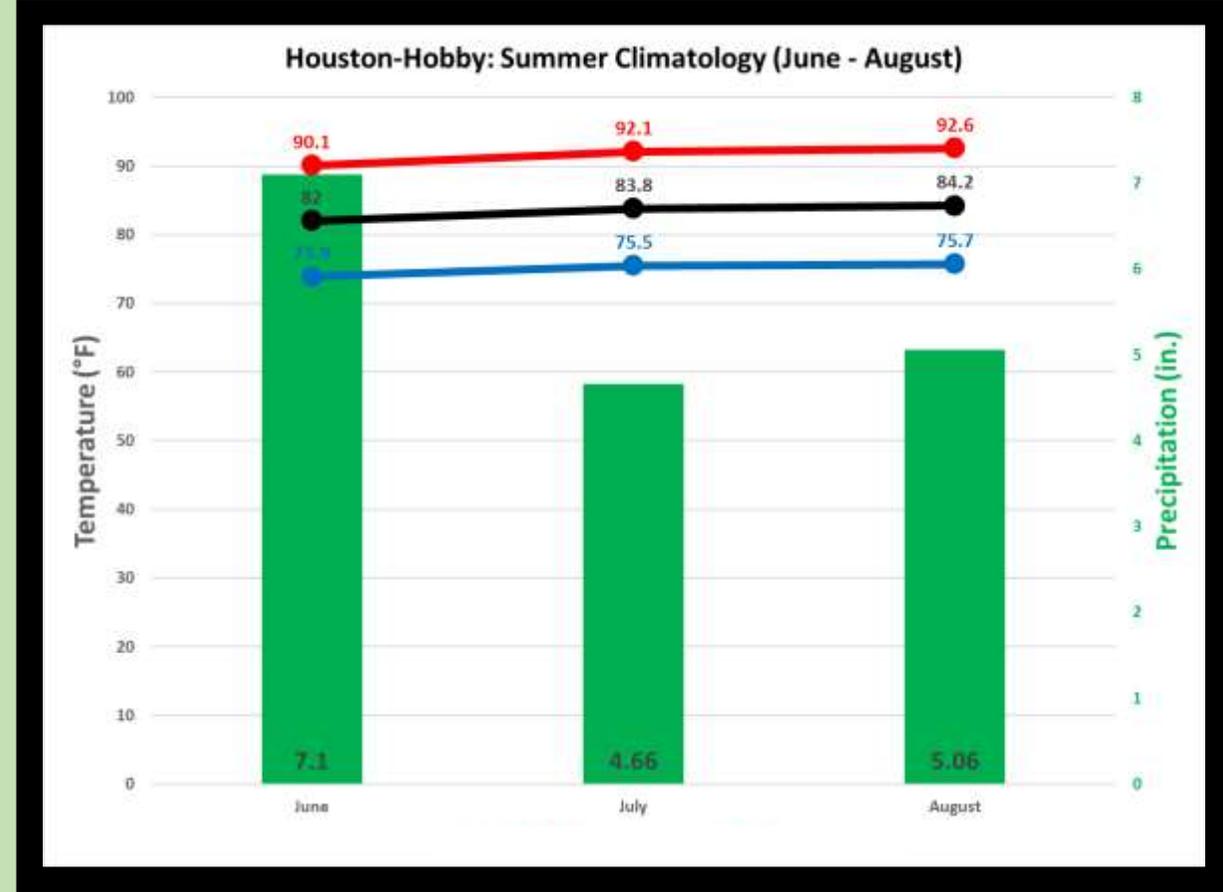
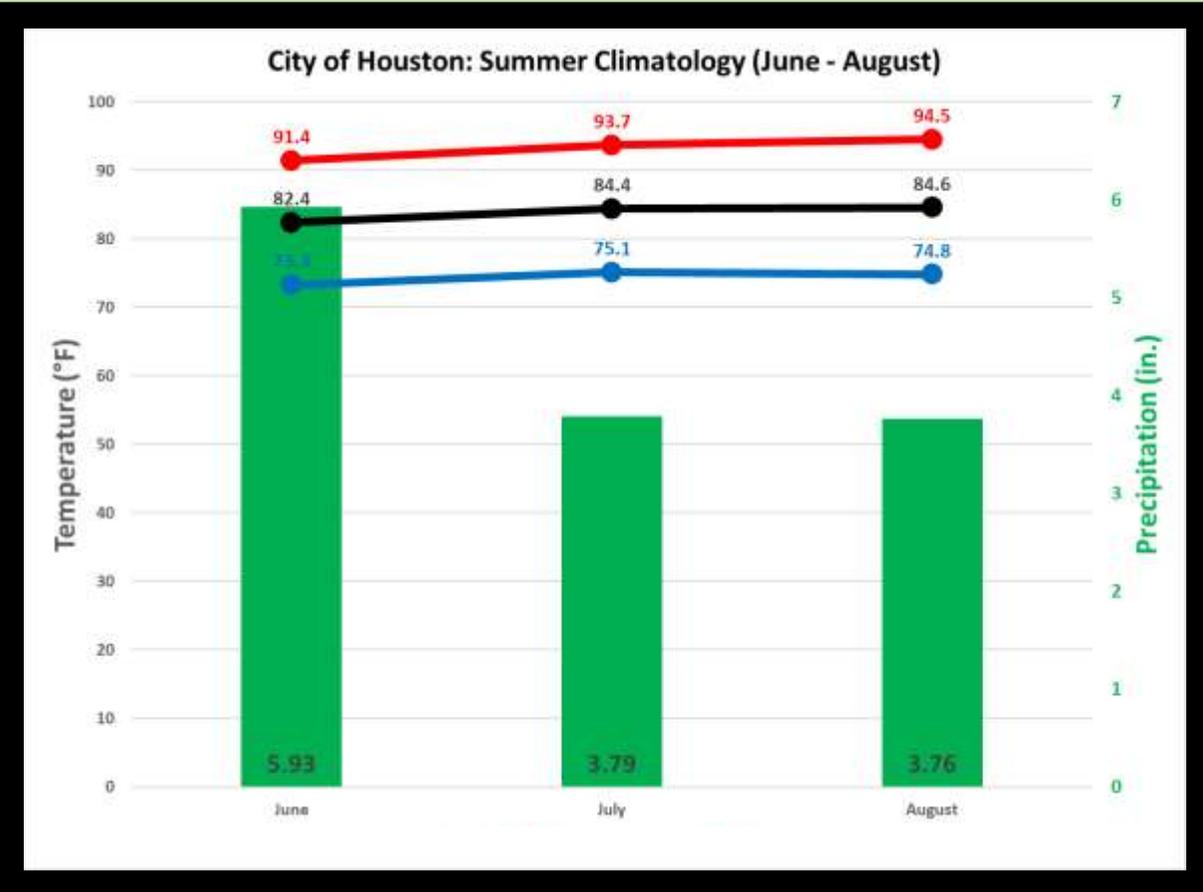
Temperature Outlook



Precipitation Outlook



Summer Climatology (June – August)



Legend

Green Bar: Average Precipitation

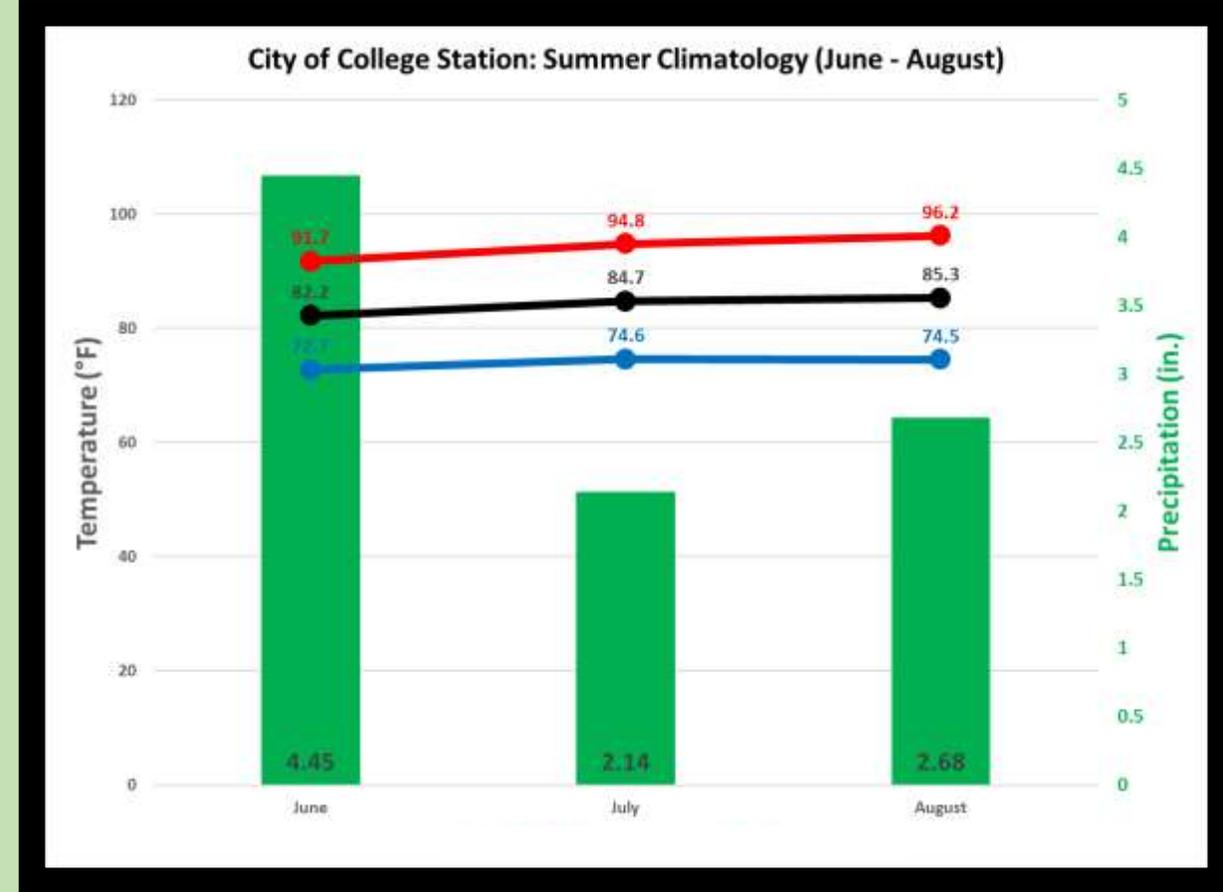
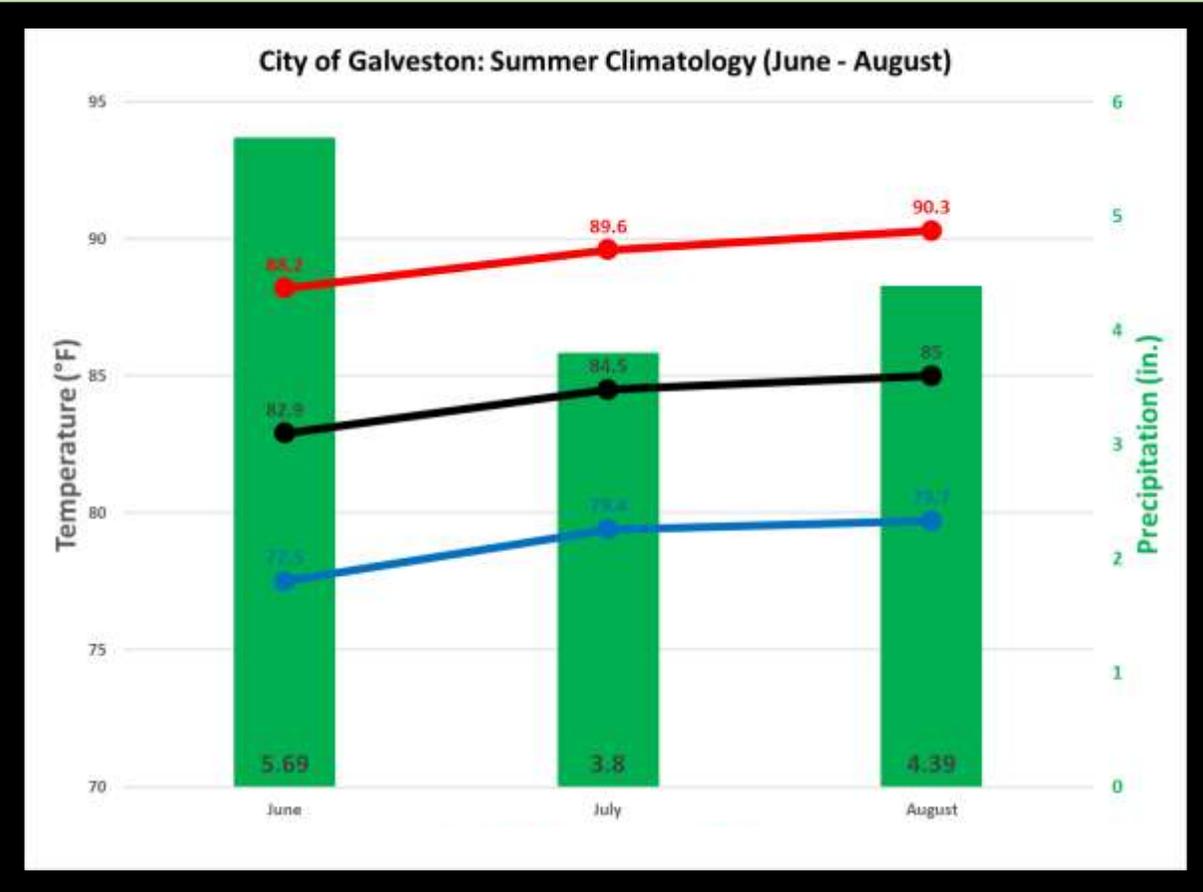
Red Line: Average Max Temperature

Black Line: Average Temperature

Blue Line: Average Min Temperature



Summer Climatology (June – August)



Legend

Green Bar: Average Precipitation

Red Line: Average Max Temperature

Black Line: Average Temperature

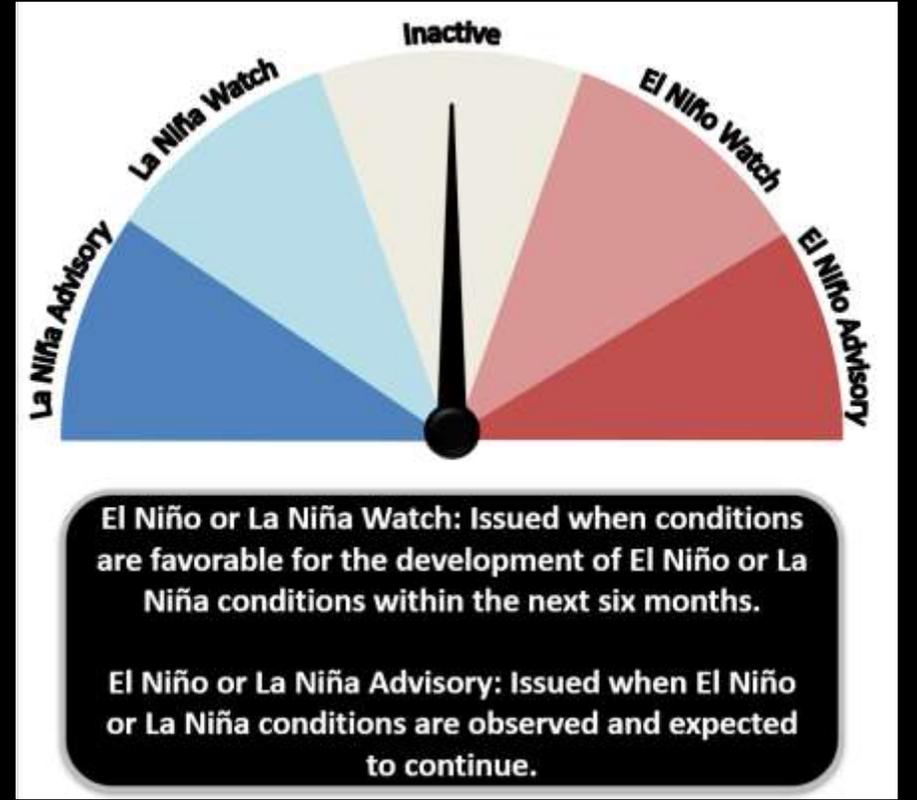
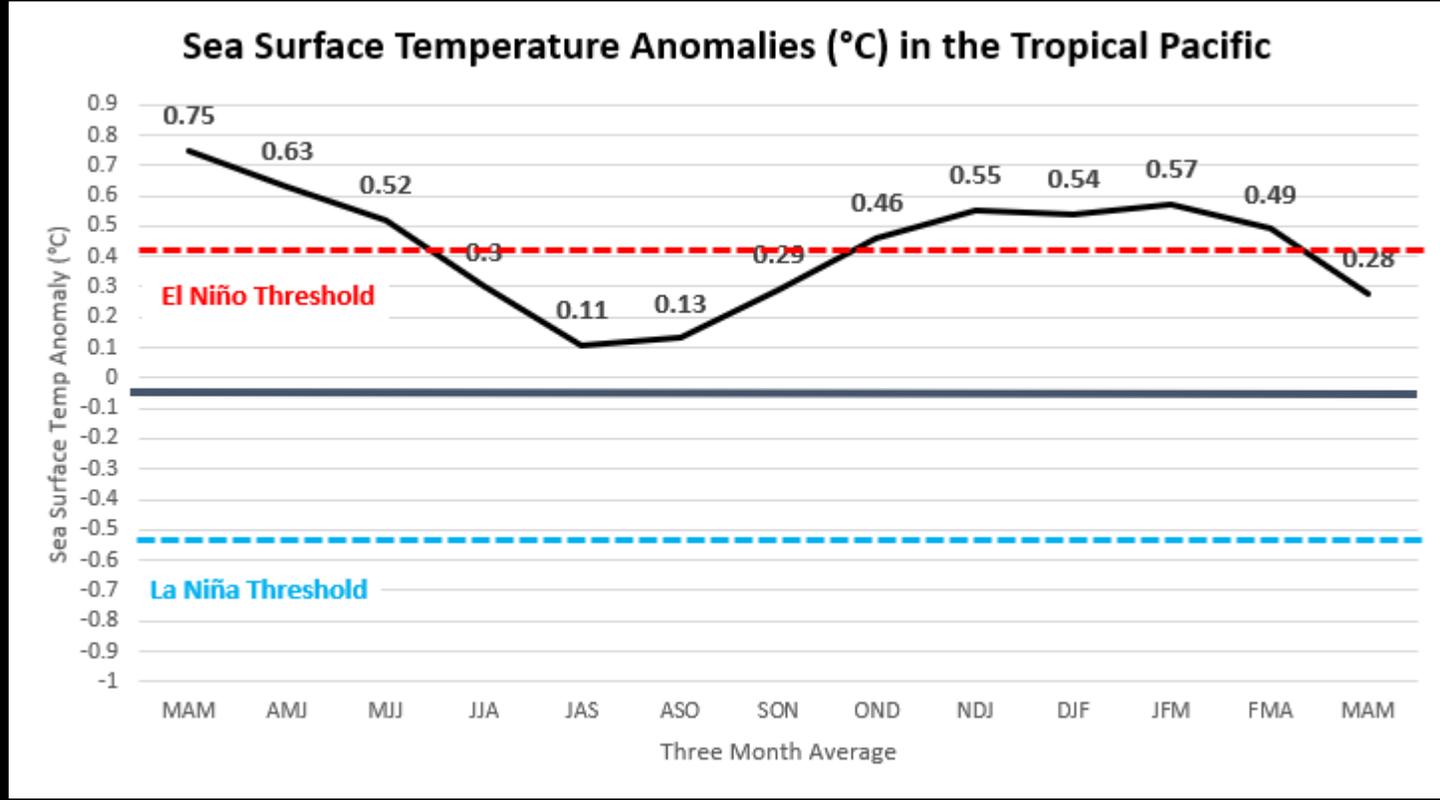
Blue Line: Average Min Temperature



Current ENSO Phase: Neutral

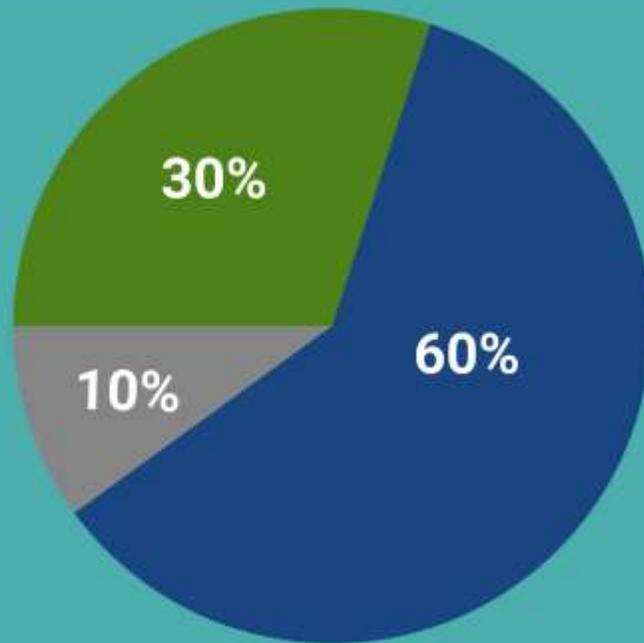
The Climate Prediction Center's ENSO Forecast: ENSO-Neutral Continues

- There is a 65% chance of ENSO-Neutral conditions continuing through the Summer
- There is a 45-50% chance of ENSO-Neutral conditions continuing through the Fall





2020 Atlantic Hurricane Season Outlook



■ Above-normal ■ Near-normal ■ Below-normal season

Season probability

Named storms

13-19

Hurricanes

6-10

Major hurricanes

3-6

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.

