

NWS Houston, Texas May 2022 Regional Climate Summary

Produced by Jimmy Fowler

...Warmest May on Record for Most of Area...

...Hurricane Season Outlook...

The very warm conditions that the region experienced during the month of April extended into May and then some. Most of the region say its warmest May on record with Galveston and Palacios about three degrees warmer than the previous warmest years. Only two sites were not the warmest Mays on record, Cities of Houston and College Station, but they both were within a half a degree of the warmest. There were 66 daily temperature records set this month, and 33 of them were set at Galveston.

The Climate Prediction Center put out its Atlantic Hurricane Season Outlook for 2022 and are predicting above-average hurricane activity this year.

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By the Numbers: May 2022

Location (records started)	Average Temp	Ranking	Total Rainfall	Ranking
City of Houston, TX (1888)	80.9°F	2 nd Warmest	4.30"	59 th Wettest
Houston Hobby, TX (1930)	81.5°F	Warmest on Record	3.08"	32 nd Driest
City of Galveston, TX (1871)	83.0°F	Warmest on Record	2.99"	74 th Driest
City of College Station, TX (1882)	81.5°F	2 nd Warmest	2.46"	39 th Driest
Conroe, TX (1997)	78.7°F	Warmest on Record	5.97"	9 th Wettest
Huntsville, TX (1997)	81.5°F	Warmest on Record	4.78"	10 th Wettest
Sugar Land, TX (2000)	81.1°F	Warmest on Record	2.58"	7 th Driest
Palacios, TX (1943)	82.3°F	Warmest on Record	1.87"	23 rd Driest
Clover Field (Pearland), TX (1997)	80.7°F	Warmest on Record	1.80"	9 th Driest
David Wayne Hooks (Tomball), TX (1998)	80.9°F	Warmest on Record	2.74"	9 th Driest
Angleton, TX (1998)	80.7°F	Warmest on Record	2.06"	9 th Driest
League City, TX (1990)	79.6°F	Warmest on Record	2.84"	12 th Driest



Precipitation

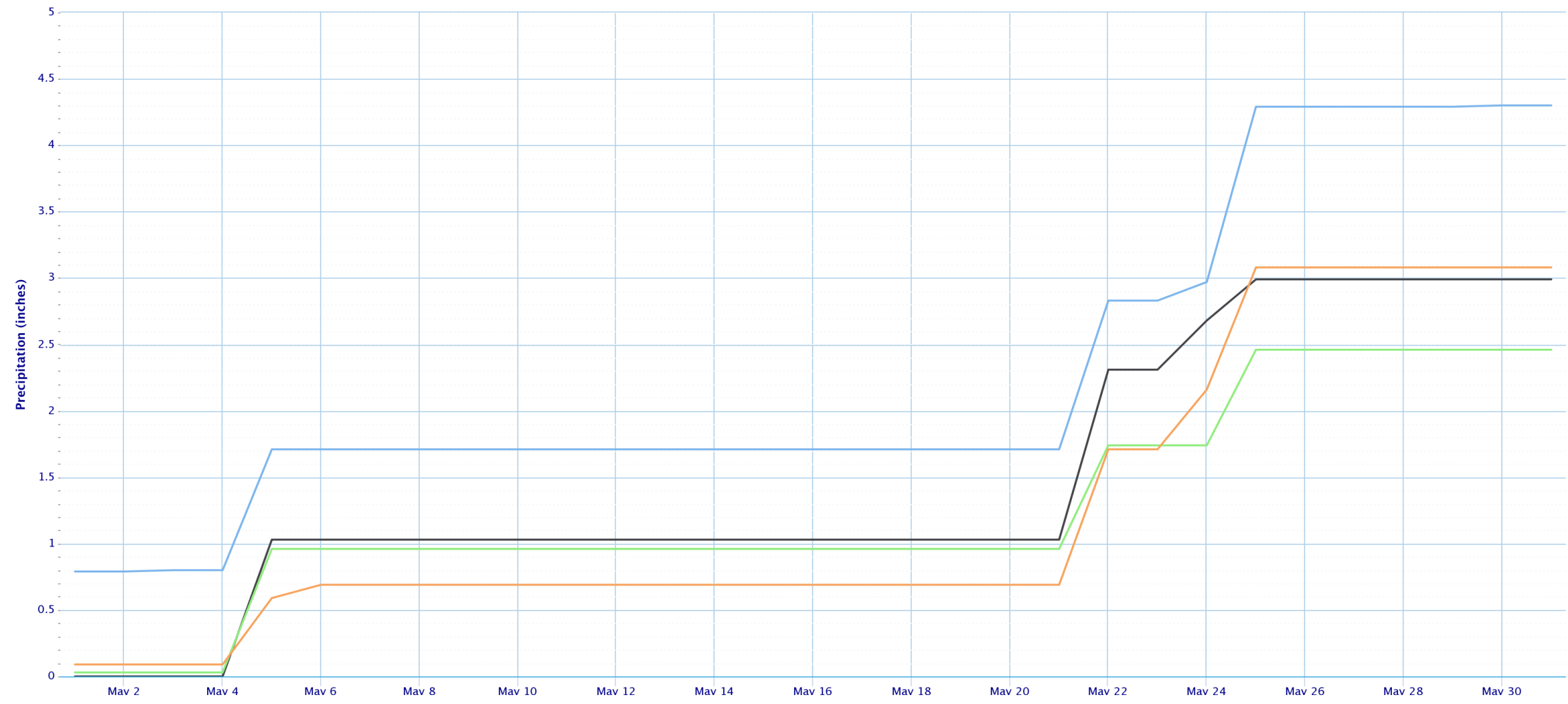
Location	Total Precipitation (in.)	Departure from Normal (in.)	Number of Thunder Days	Maximum Daily Precipitation (in./date)	
Galveston (GLS)	2.99	-0.05	5	1.28	22 nd
Houston Hobby (HOU)	3.08	-2.34	5	1.02	22 nd
City of Houston (IAH)	4.30	-0.71	5	1.32	25 th
College Station (CLL)	2.46	-2.14	6	0.93	5 th



Precipitation Accumulation Graph

Accumulated Precipitation

Green/black diamonds represent subsequent/missing values



City of Houston

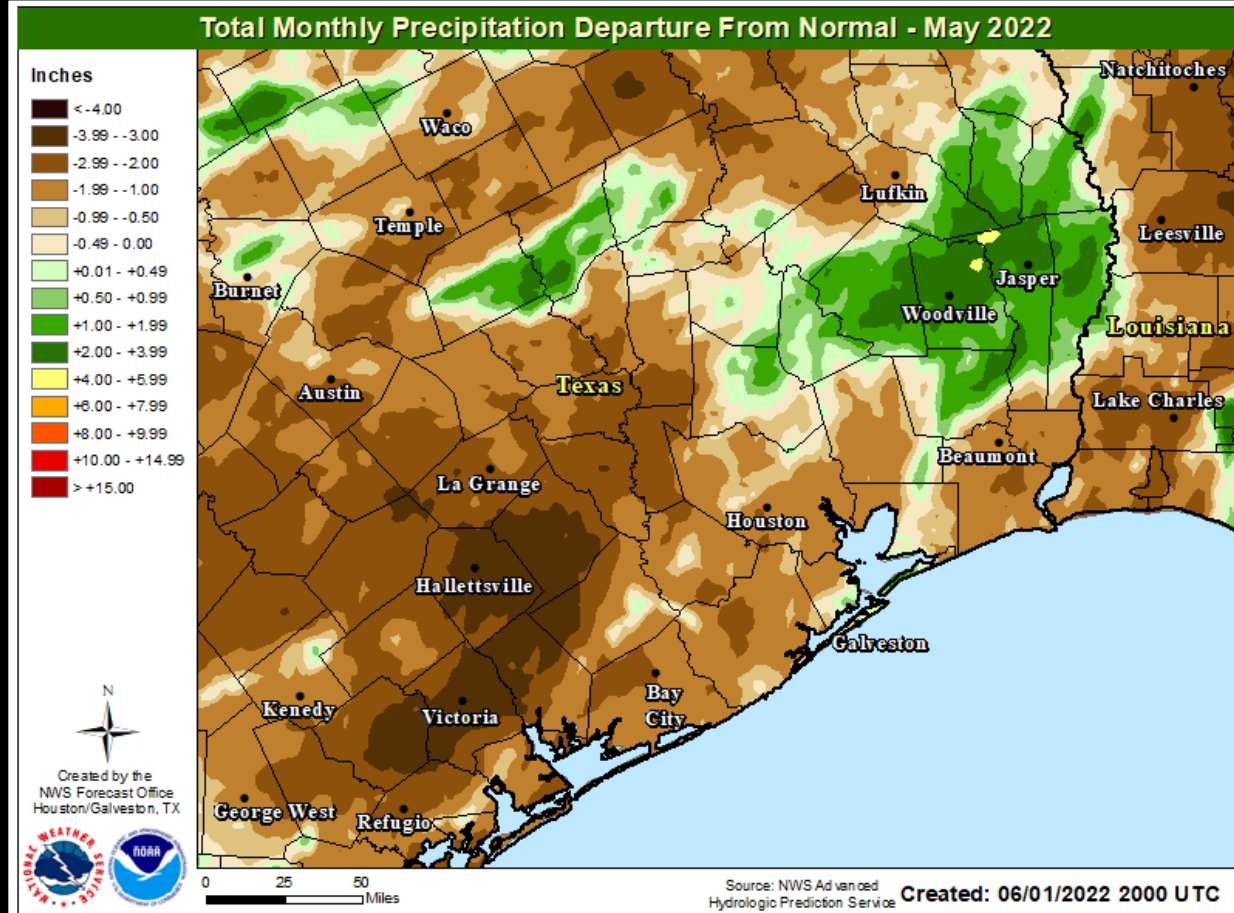
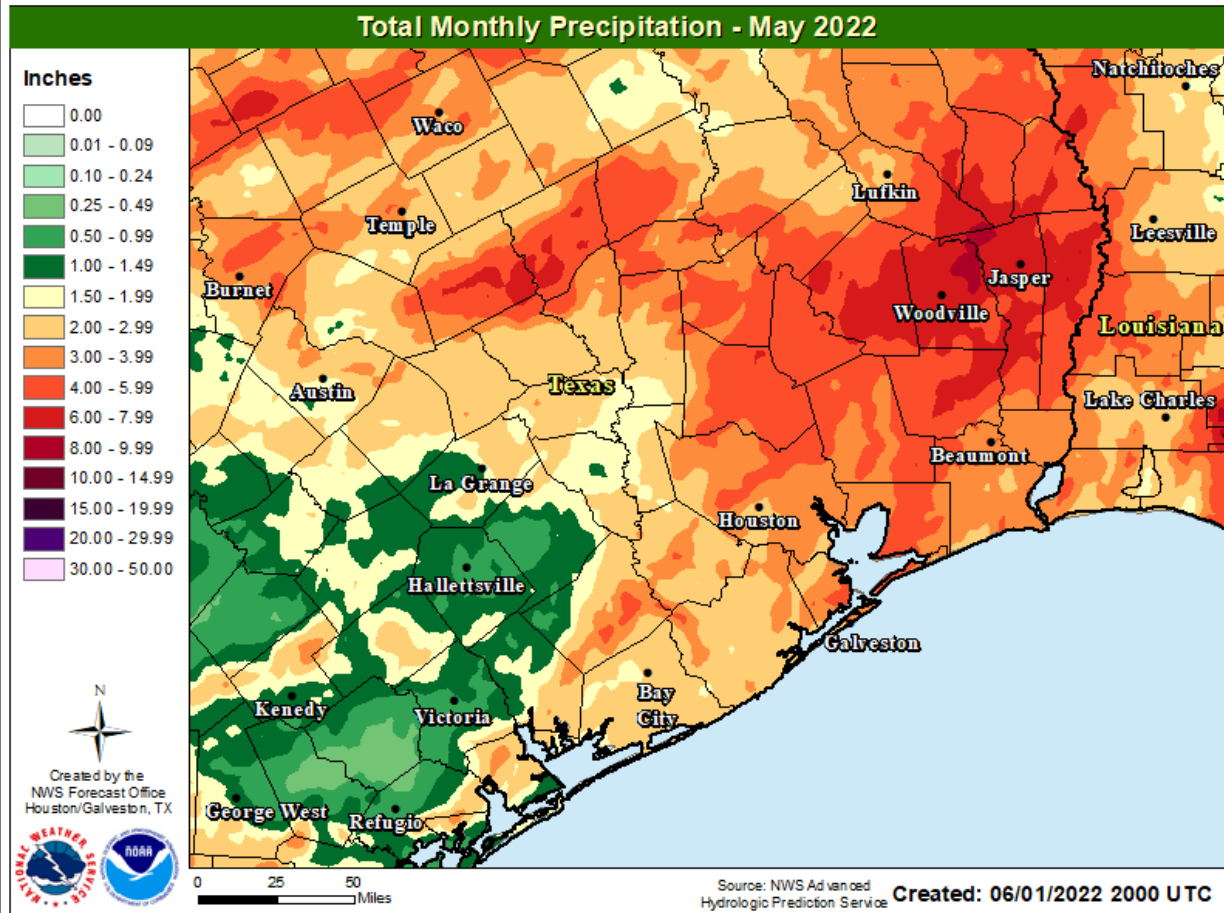
City of Galveston

City of College Station

Houston-Hobby



Precipitation Maps



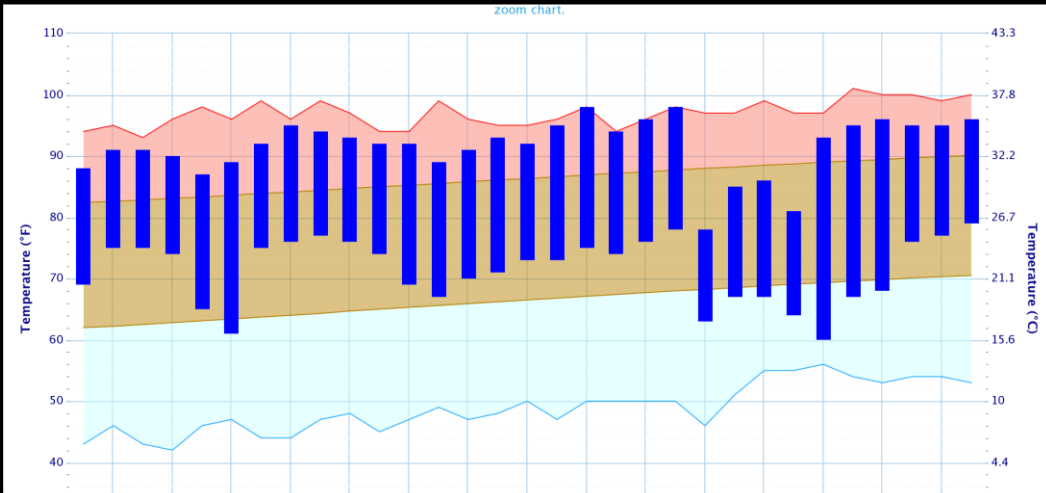
Temperature

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)	88.0	77.9	83.0	78.2	+4.8	93 on the 27 th	68 on the 25 th
Houston Hobby (HOU)	90.1	72.8	81.5	77.6	+3.9	95 on the 27 th	63 on the 26 th
City of Houston (IAH)	90.1	71.7	80.9	77.4	+3.5	95 on the 18 th & 27 th	61 on the 26 th
College Station (CLL)	91.6	71.3	81.5	76.4	+5.1	98 on the 18 th & 21 st	60 on the 26 th

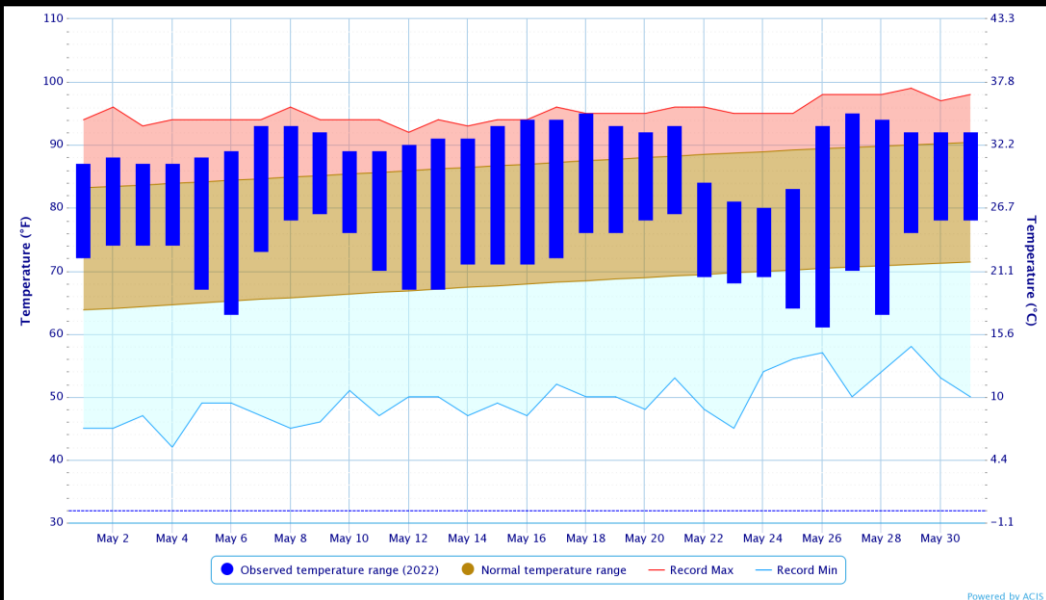


Temperature Charts

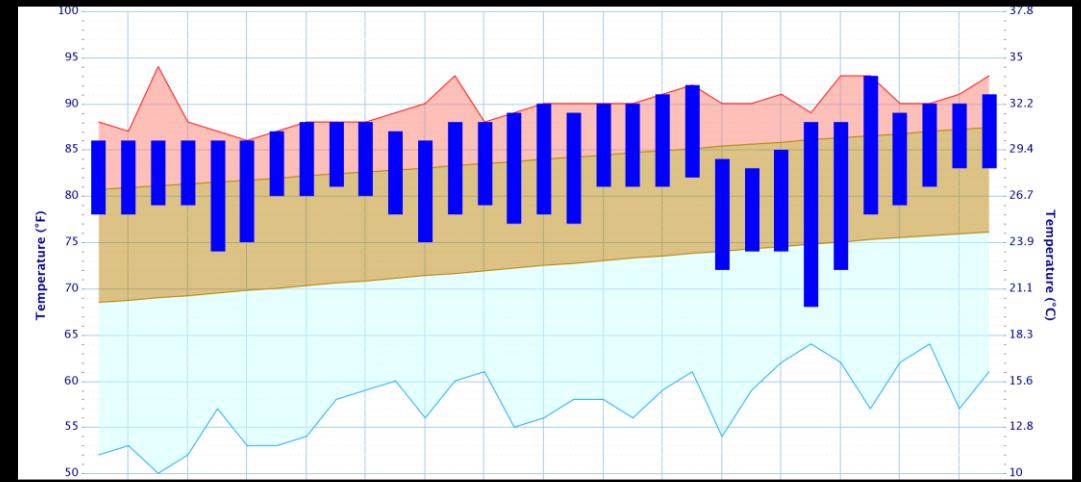
City of College Station



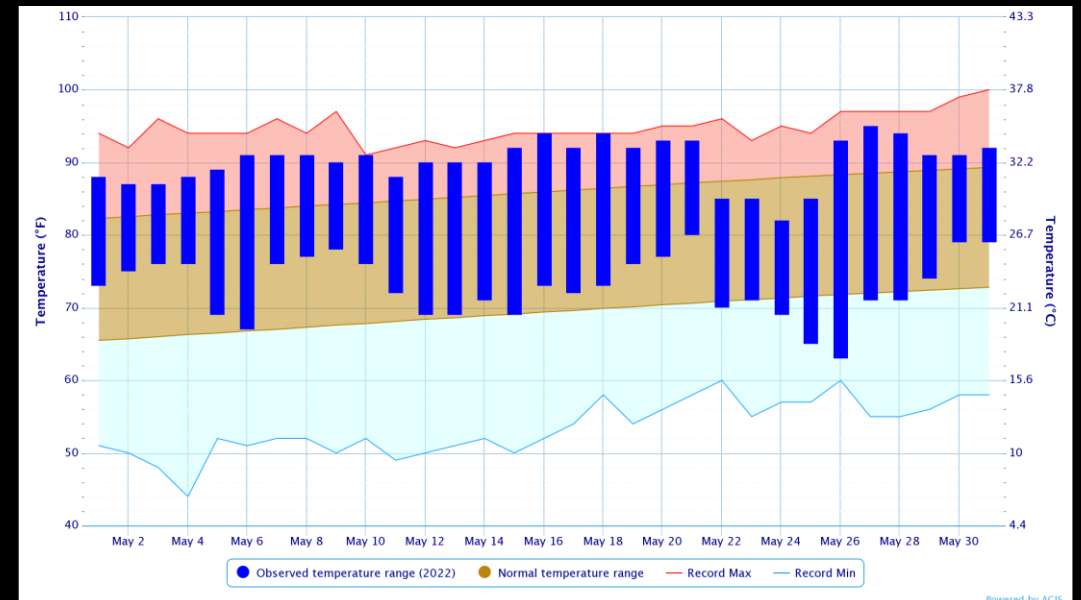
City of Houston



City of Galveston



Houston-Hobby



Daily Record Reports

Site	Date	Record Type	New Record	Previous Record
City of College Station	May 2 nd	High Minimum Temp	75° - T	75° in 1930
City of College Station	May 3 rd	High Minimum Temp	75° - T	75° in 1905
City of College Station	May 4 th	High Minimum Temp	74° - T	74° in 2003
City of College Station	May 9 th	High Minimum Temp	77°	76° in 2021
City of College Station	May 18 th	High Maximum Temp	98°	96° in 1925
City of College Station	May 19 th	High Maximum Temp	94° - T	94° in 2020
City of College Station	May 20 th	High Maximum Temp	96°	95° in 1996
City of College Station	May 20 th	High Minimum Temp	76° - T	76° in 2019
City of College Station	May 21 st	High Maximum Temp	98°	96° in 2005
City of College Station	May 9 th	High Minimum Temp	78°	76° in 1990

There were
66 daily
records set
during the
month of
May.



High Max

Low Max

Precip

Snow

High Min

Low Min

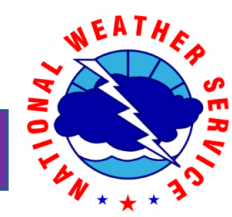


Key

Daily Record Reports

Site	Date	Record Type	New Record	Previous Record
City of Houston	May 8 th	High Minimum Temp	78° - T	78° in 2002
City of Houston	May 9 th	High Minimum Temp	79°	77° in 2021
City of Houston	May 16 th	High Maximum Temp	94° - T	94° in 2018
City of Houston	May 18 th	High Maximum Temp	95°	95° in 1890
City of Houston	May 21 st	High Minimum Temp	79° - T	79° in 2019
Houston-Hobby	May 4 th	High Minimum Temp	76° - T	76° in 2002
Houston-Hobby	May 8 th	High Minimum Temp	77°	76° in 2015
Houston-Hobby	May 9 th	High Minimum Temp	78° - T	78° in 2021
Houston-Hobby	May 10 th	High Maximum Temp	91° - T	91° in 2003
Houston-Hobby	May 16 th	High Maximum Temp	94°	93° in 1933

There were 66 daily records set during the month of May.



Key

- High Max
- Low Max
- Precip
- Snow
- High Min
- Low Min

Daily Record Reports

Site	Date	Record Type	New Record	Previous Record
Houston-Hobby	May 18 th	High Maximum Temp	94°	93° in 2003
Houston-Hobby	May 21 st	High Minimum Temp	80°	78° in 2019
Houston-Hobby	May 31 st	High Minimum Temp	79° - T	79° in 2013
City of Galveston	May 1 st	High Minimum Temp	78°	76° in 2011
City of Galveston	May 2 nd	High Minimum Temp	78°	76° in 2002
City of Galveston	May 3 rd	High Minimum Temp	79°	76° in 2021
City of Galveston	May 4 th	High Minimum Temp	79°	78° in 2002
City of Galveston	May 6 th	High Maximum Temp	86° - T	86° in 2018
City of Galveston	May 7 th	High Maximum Temp	87° - T	87° in 2018
City of Galveston	May 7 ^h	High Minimum Temp	80°	79° in 2002

There were 66 daily records set during the month of May.



Key

High Max

Low Max

Precip

Snow

High Min

Low Min

Daily Record Reports

Site	Date	Record Type	New Record	Previous Record
City of Galveston	May 8 th	High Maximum Temp	88°	87° in 2008
City of Galveston	May 8 th	High Minimum Temp	80°	78° in 2009
City of Galveston	May 9 th	High Maximum Temp	88° - T	88° in 2002
City of Galveston	May 9 th	High Minimum Temp	81°	78° in 2002
City of Galveston	May 10 th	High Maximum Temp	88°	87° in 1998
City of Galveston	May 10 th	High Minimum Temp	80°	78° in 2021
City of Galveston	May 11 ^h	High Minimum Temp	78° - T	78° in 2009
City of Galveston	May 13 th	High Minimum Temp	78° - T	78° in 2009
City of Galveston	May 14 th	High Maximum Temp	88° - T	88° in 2007
City of Galveston	May 14 th	High Minimum Temp	79°	78° in 1995

There were 66 daily records set during the month of May.



Key

High Max

Low Max

Precip

Snow

High Min

Low Min

Daily Record Reports

Site	Date	Record Type	New Record	Previous Record
City of Galveston	May 15 th	High Maximum Temp	89° - T	89° in 1875
City of Galveston	May 16 th	High Minimum Temp	78° - T	78° in 2015
City of Galveston	May 16 th	High Maximum Temp	90° - T	90° in 1875
City of Galveston	May 18 th	High Minimum Temp	81°	80° in 1995
City of Galveston	May 18 th	High Maximum Temp	90°	89° in 1875
City of Galveston	May 19 th	High Minimum Temp	81°	80° in 2017
City of Galveston	May 19 th	High Maximum Temp	90°	87° in 2018
City of Galveston	May 20 th	High Minimum Temp	81°	80° in 2017
City of Galveston	May 20 th	High Maximum Temp	91° - T	91° in 2003
City of Galveston	May 21 st	High Minimum Temp	82°	79° in 1990

There were 66 daily records set during the month of May.



Key

High Max

Low Max

Precip

Snow

High Min

Low Min

Daily Record Reports

Site	Date	Record Type	New Record	Previous Record
City of Galveston	May 21 st	High Maximum Temp	92° - T	92° in 2005
City of Galveston	May 27 th	High Maximum Temp	93°	90° in 1922
City of Galveston	May 29 th	High Minimum Temp	81° - T	81° in 1996
City of Galveston	May 29 th	High Maximum Temp	90°	90° in 1959
City of Galveston	May 30 th	High Minimum Temp	83°	81° in 2018
City of Galveston	May 31 st	High Minimum Temp	83°	81° in 2018

There were 66 daily records set during the month of May.



Key

High Max

Low Max

Precip

Snow

High Min

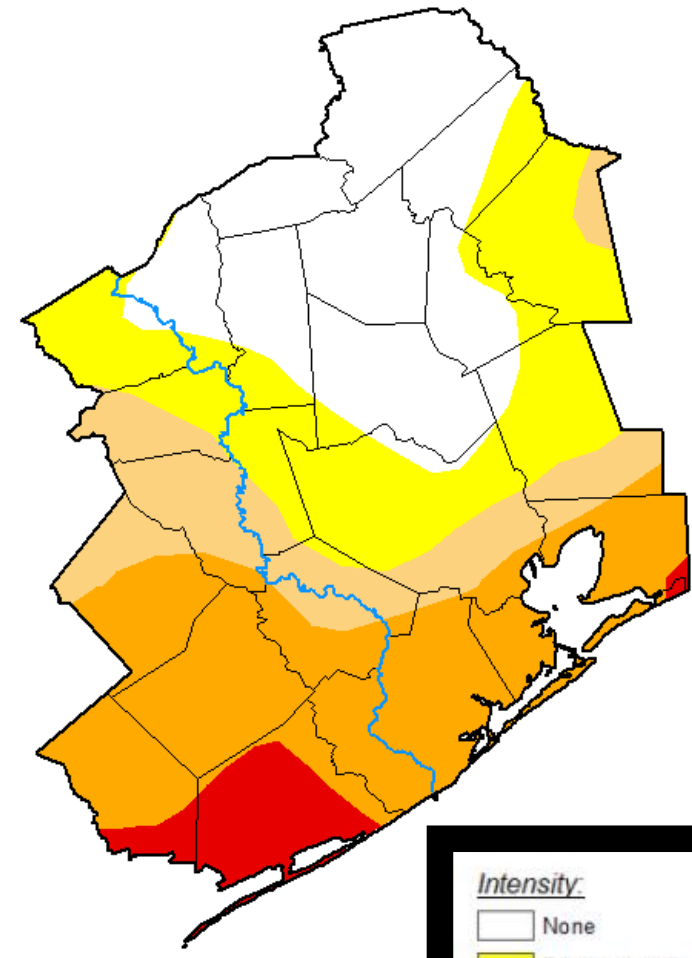
Low Min

Drought Monitor As of March 29th

Decent rainfall across the top third of the region on April 25th helped alleviate drought conditions north of Conroe. However, little to almost no rainfall fell across the southeast near Matagorda Bay. This has resulted in the emergence of D3 – Extreme Drought in portions of Jackson and Matagorda counties. A small section of southeastern Chambers County is also in Extreme Drought.

U.S. Drought Monitor Houston/Galveston, TX WFO

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



Intensity:

- None
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

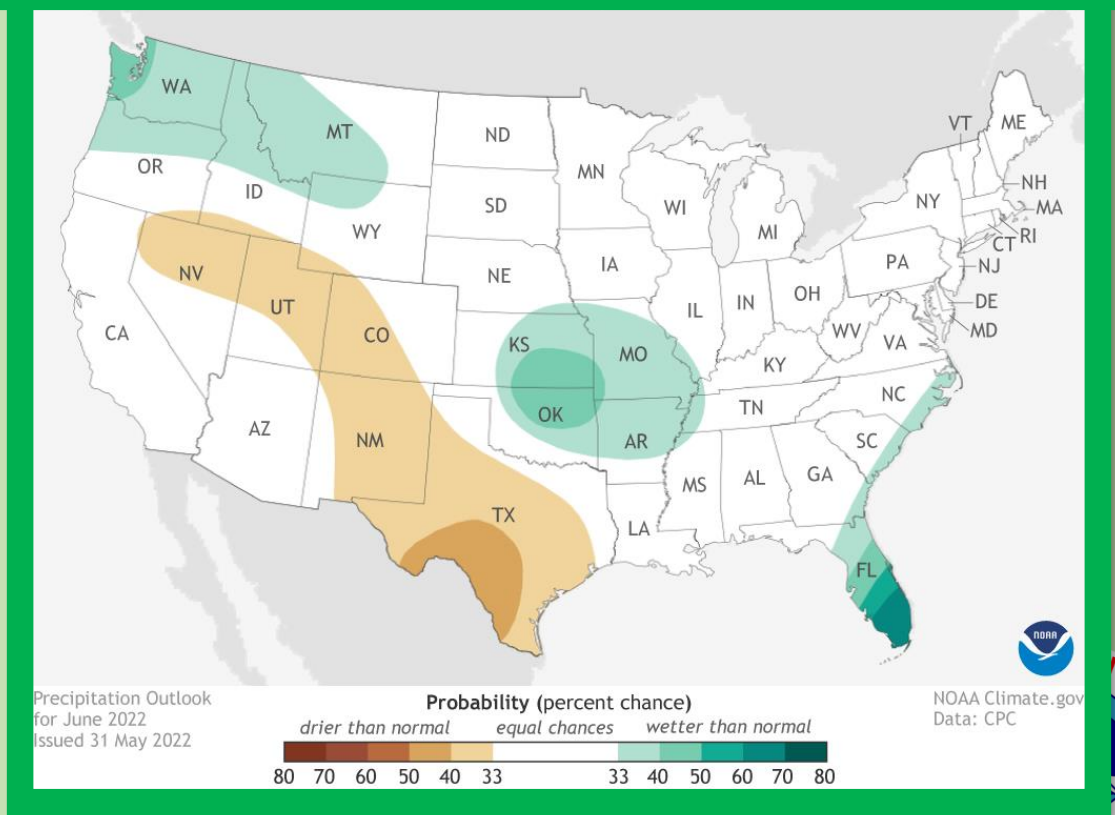
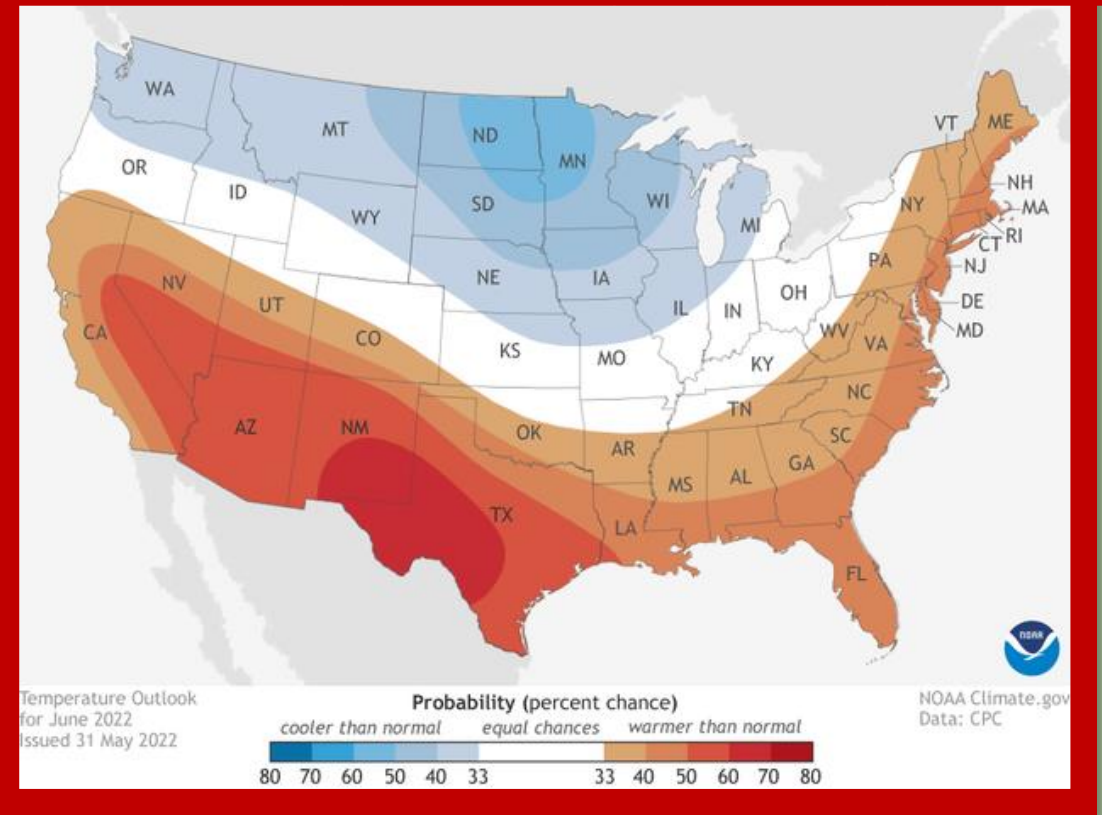
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>



June Outlook

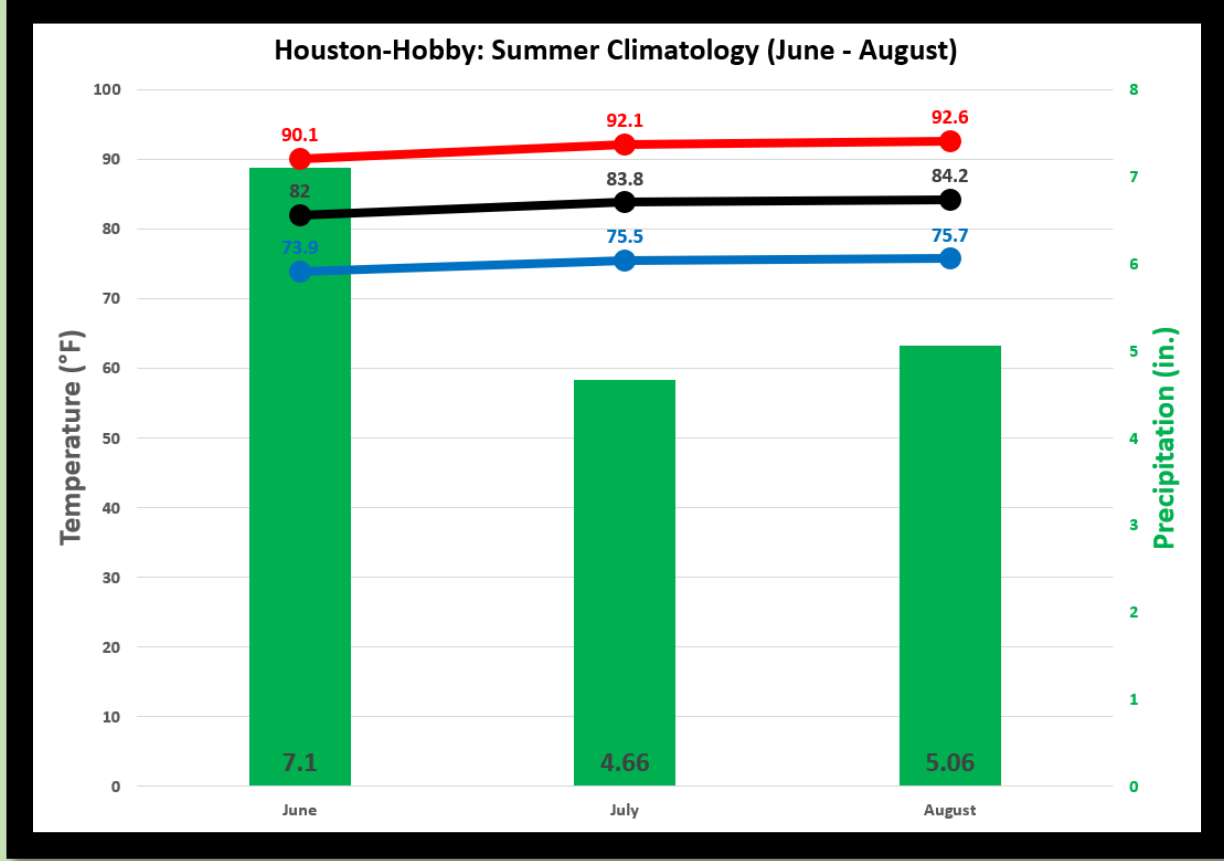
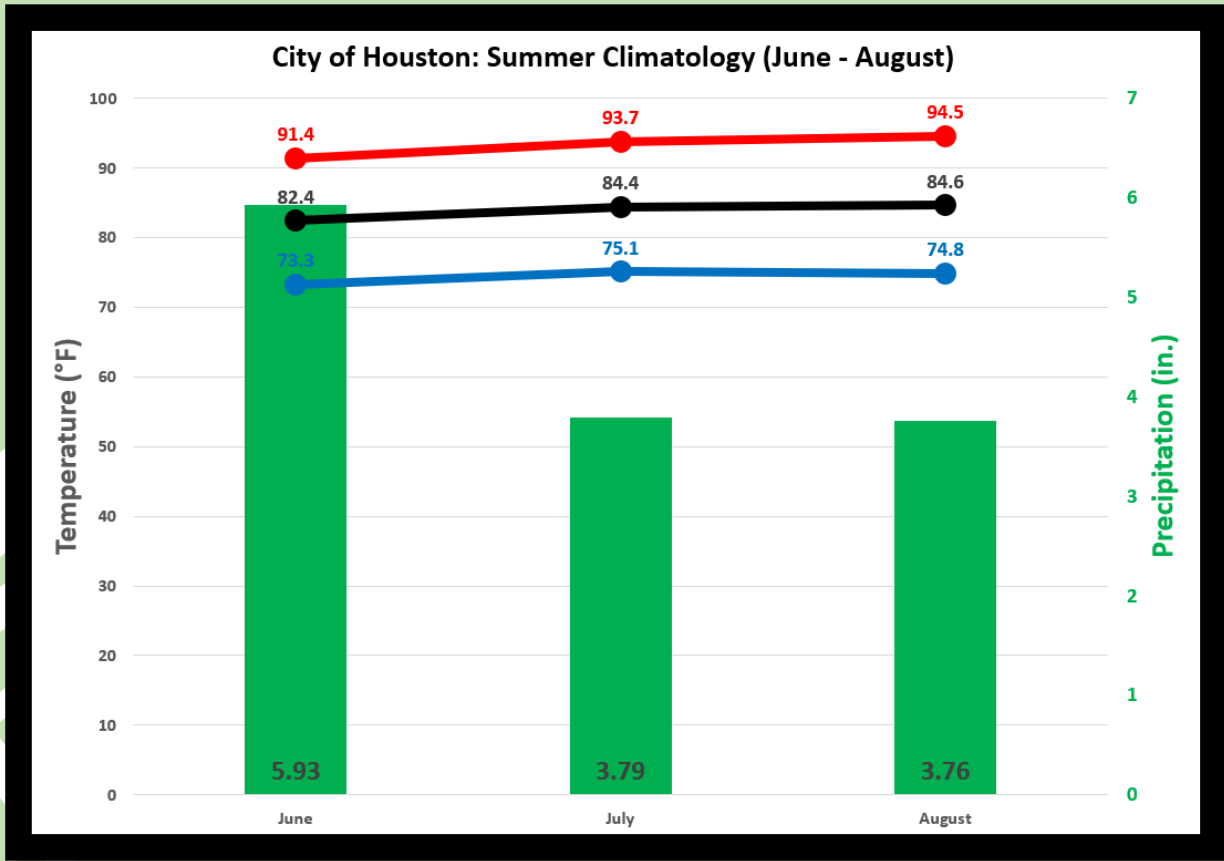
Location	Average Temp(°F)	Normal High (°F)	Normal Low (°F)
Galveston	83.8	89.5	78.1
Houston Hobby	82.9	91.0	74.9
City of Houston	83.0	92.3	73.7
College Station	82.6	92.2	73.0

Location	Normal Monthly Precipitation (in.)
Galveston	4.32
Houston Hobby	6.09
City of Houston	6.00
College Station	1.98



Summer Climatology (June – August)

1991 – 2020 Normals



Legend

Green Bar: Average Precipitation

Red Line: Average Max Temperature

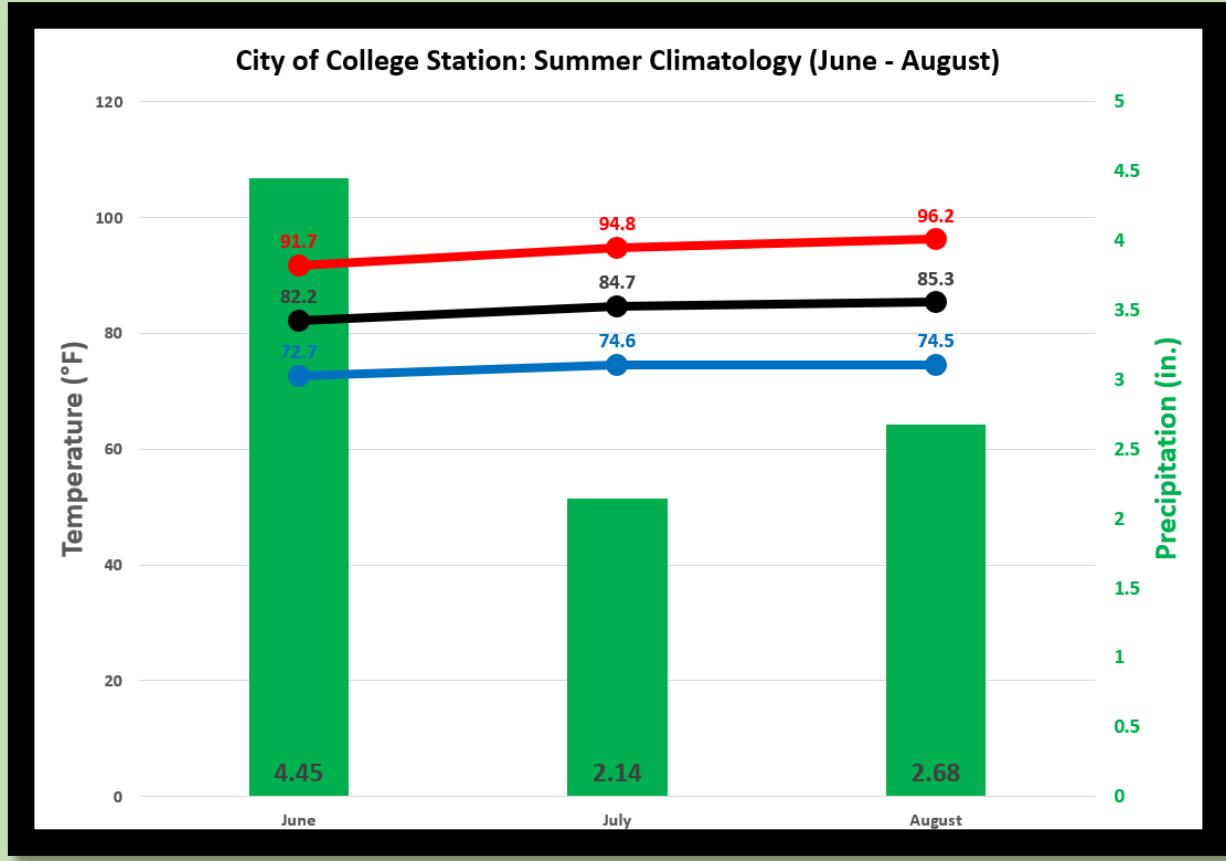
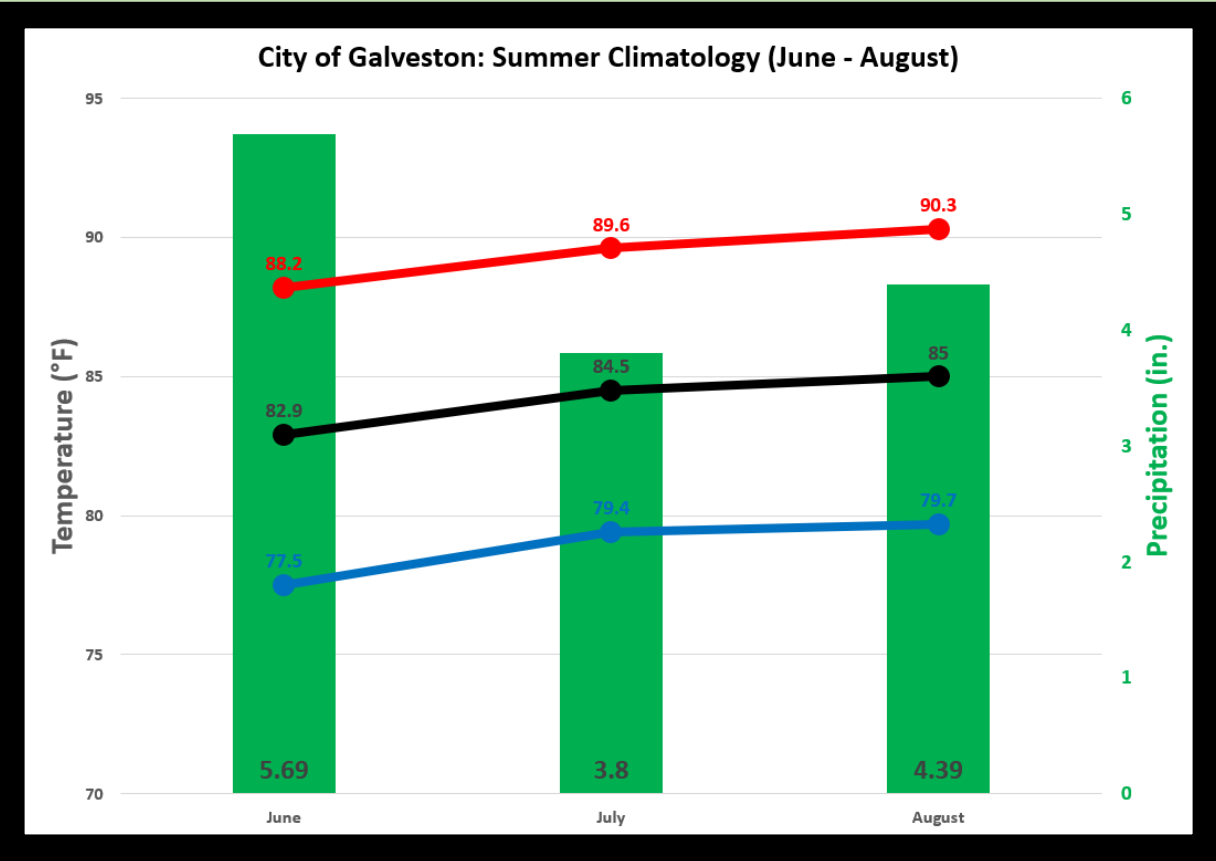
Black Line: Average Temperature

Blue Line: Average Min Temperature



Summer Climatology (June – August)

1991 – 2020 Normals



Legend

Green Bar: Average Precipitation

Red Line: Average Max Temperature

Black Line: Average Temperature

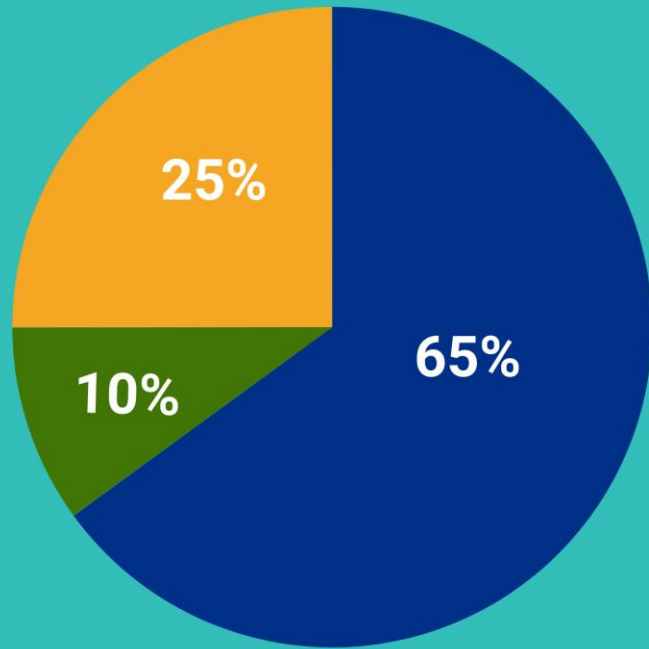
Blue Line: Average Min Temperature



2021 Hurricane Season Outlook



2022 Atlantic Hurricane Season Outlook



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

Season probability

Named storms

14-21

Hurricanes

6-10

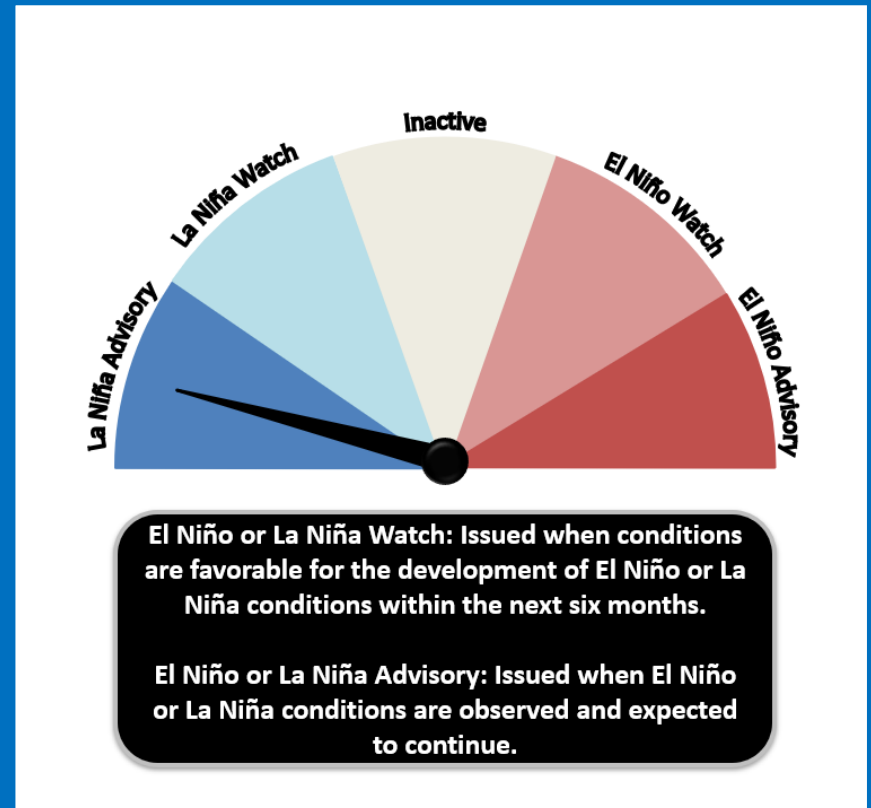
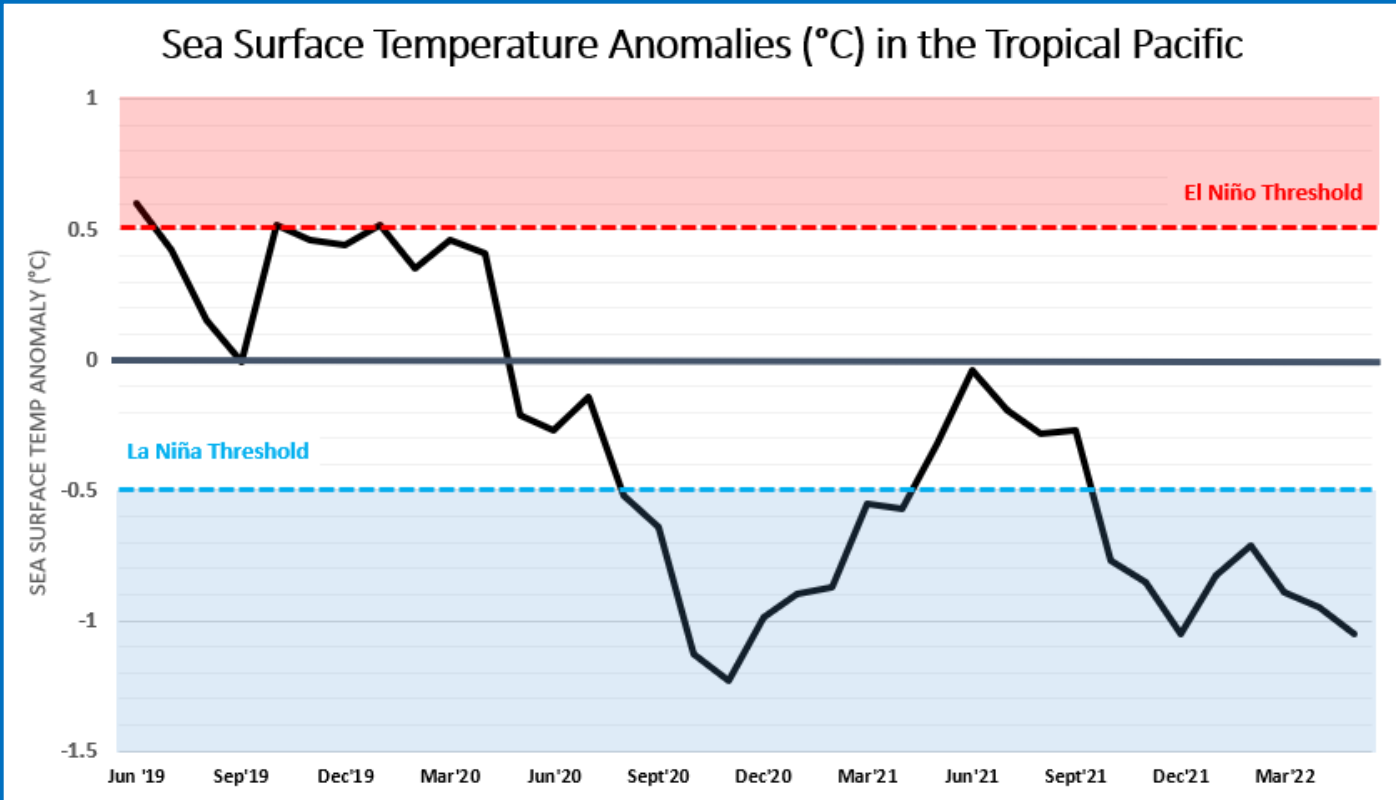
Major hurricanes

3-6

Current ENSO Phase: **La Niña**

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

- La Niña conditions are expected to continue with 58% chance through the Fall, and then 61% chance of La Niña 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).

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.

