

NWS Houston, Texas June 2021 Regional Climate Summary

Produced by Jimmy Fowler

...Wetter and Slightly Warmer than Normal Conditions Persist...

Between June 3rd and 22nd, there was not much precipitation across the region. This continued stretch of dry weather lead to some slightly warmer than normal temperatures across the region. The end of the month ended on a cooler note as multiple rounds of showers and thunderstorms brought between 4 and 8 inches of rain. The heaviest rain fell around the Matagorda Bay area and near Katy.

Photo Credit:
NWS HGX Meteorologist
Jimmy Fowler

Table of Contents

Page Number	Page Title
1	Cover
2	Table of Contents
3	By the Numbers
4	Precipitation Summary
5	Precipitation Graph
6	Precipitation Imagery
7	Temperature Summary
8	Temperature Charts
9 – 10	Daily Record Reports
11	Drought Monitor
12	Next Month Outlook
13	ENSO Review
14	Climate Primary Site History



By the Numbers: June 2021



Location (records started)	Average Temp	Ranking	Total Rainfall	Ranking
City of Houston, TX (1888)	83.6°F	19 th Warmest	9.33"	16 th Wettest
Houston Hobby, TX (1930)	85.1°F	3 rd Warmest	6.12"	30 th Wettest
City of Galveston, TX (1871)	84.3°F	10 th Warmest	7.39"	27 th Wettest
City of College Station, TX (1882)	82.8°F	28 th Warmest	3.70"	45 th Wettest
Conroe, TX (1997)	81.3°F	9 th Warmest	5.95"	8 th Wettest
Huntsville, TX (1997)	83.7°F	7 th Warmest	3.55"	11 th Driest
Sugar Land, TX (2000)	84.4°F	5 th Warmest	9.19"	2 nd Wettest
Palacios, TX (1943)	82.3°F	37 th Warmest	7.12"	17 th Wettest
Clover Field (Pearland), TX (1997)	83.5°F	8 th Warmest	5.28"	10 th Wettest
David Wayne Hooks (Tomball), TX (1998)	82.9°F	8 th Warmest	7.15"	7 th Wettest
Angleton, TX (1998)	82.5°F	5 th Warmest	7.07"	3 rd Wettest
League City, TX (1990)	83.2°F	4 th Warmest	8.69"	9 th Wettest

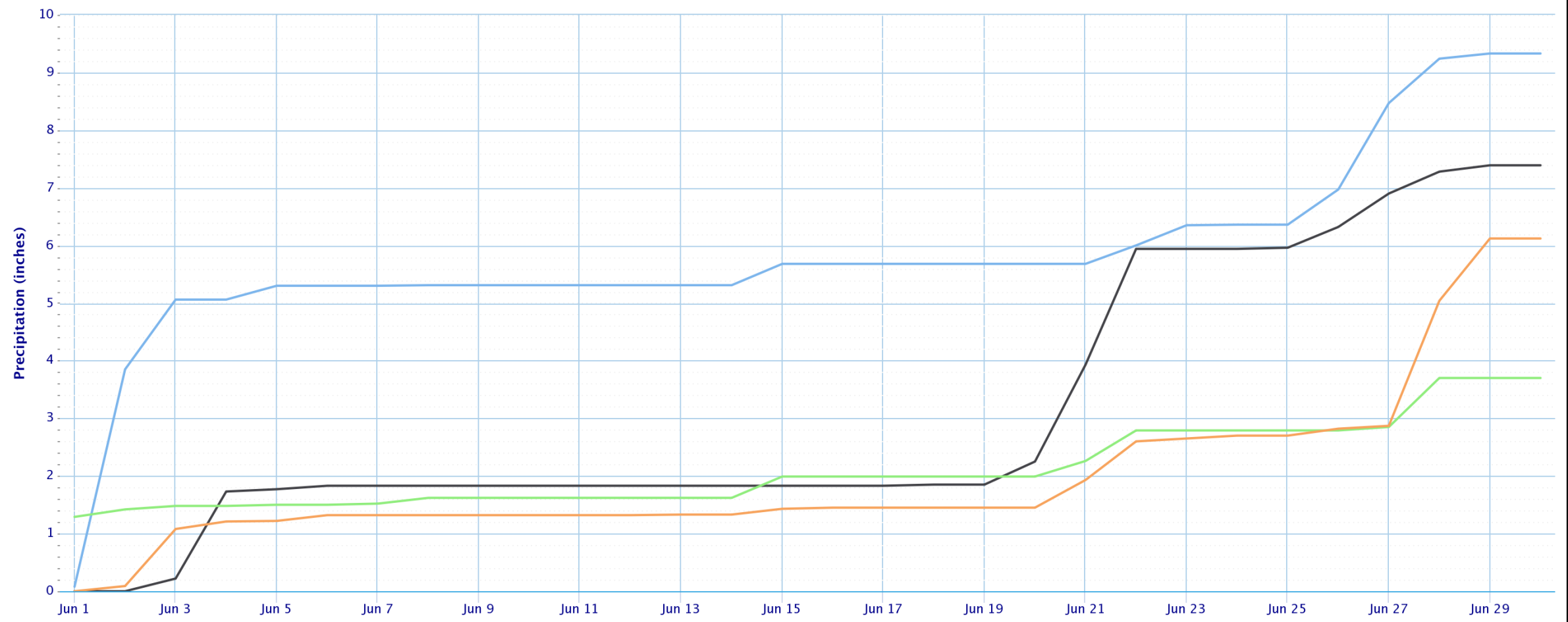


Precipitation

Location	Total Precipitation (in.)	Departure from Normal (in.)	Number of Thunder Days	Maximum Daily Precipitation (in./date)	
Galveston (GLS)	7.39	+3.16	10	2.01	22 nd
Houston Hobby (HOU)	6.12	+0.03	12	2.17	28 th
City of Houston (IAH)	9.33	+3.33	13	3.77	2 nd
College Station (CLL)	3.70	-0.31	13	1.29	1 st

Precipitation Accumulation Graph

Accumulated Precipitation
Green/black diamonds represent subsequent/missing values



City of Houston

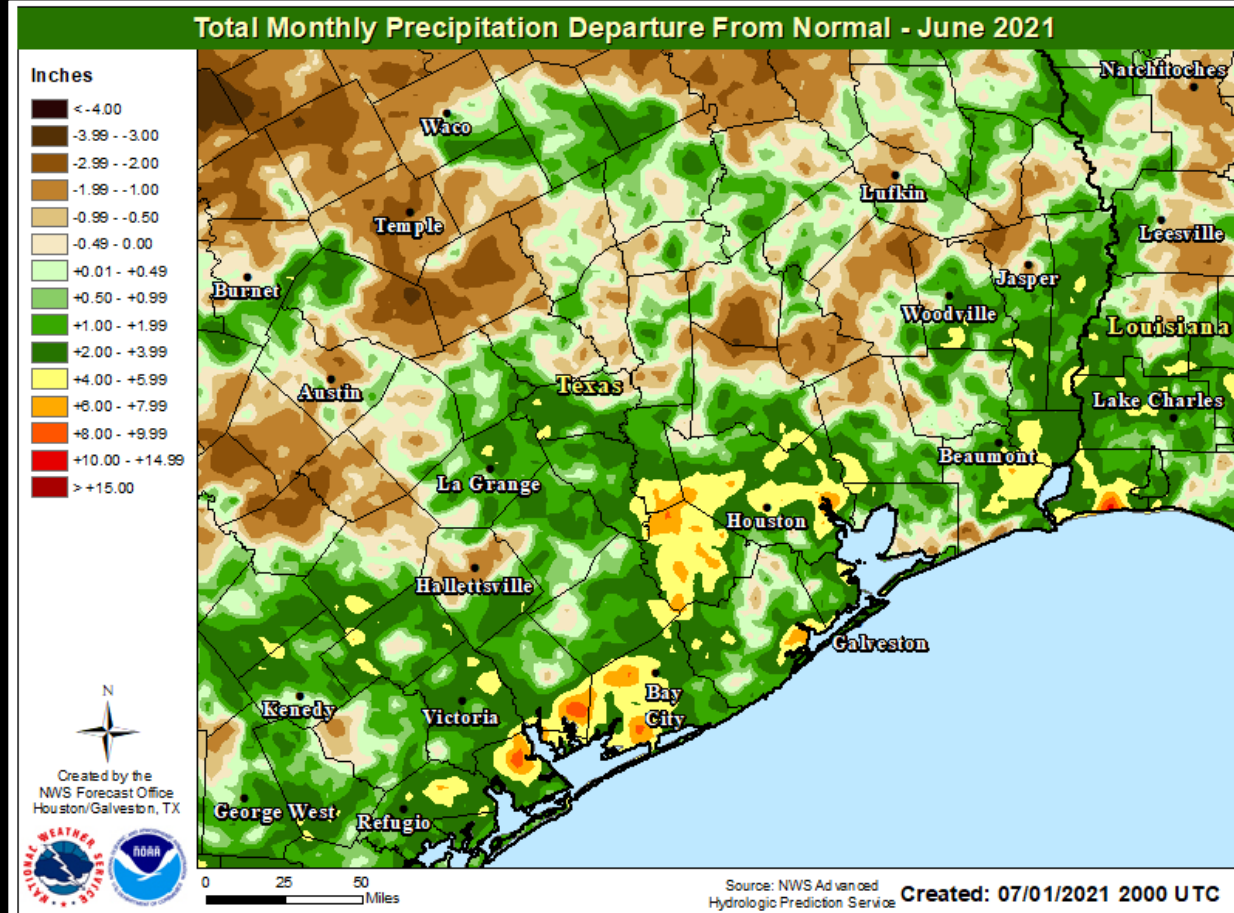
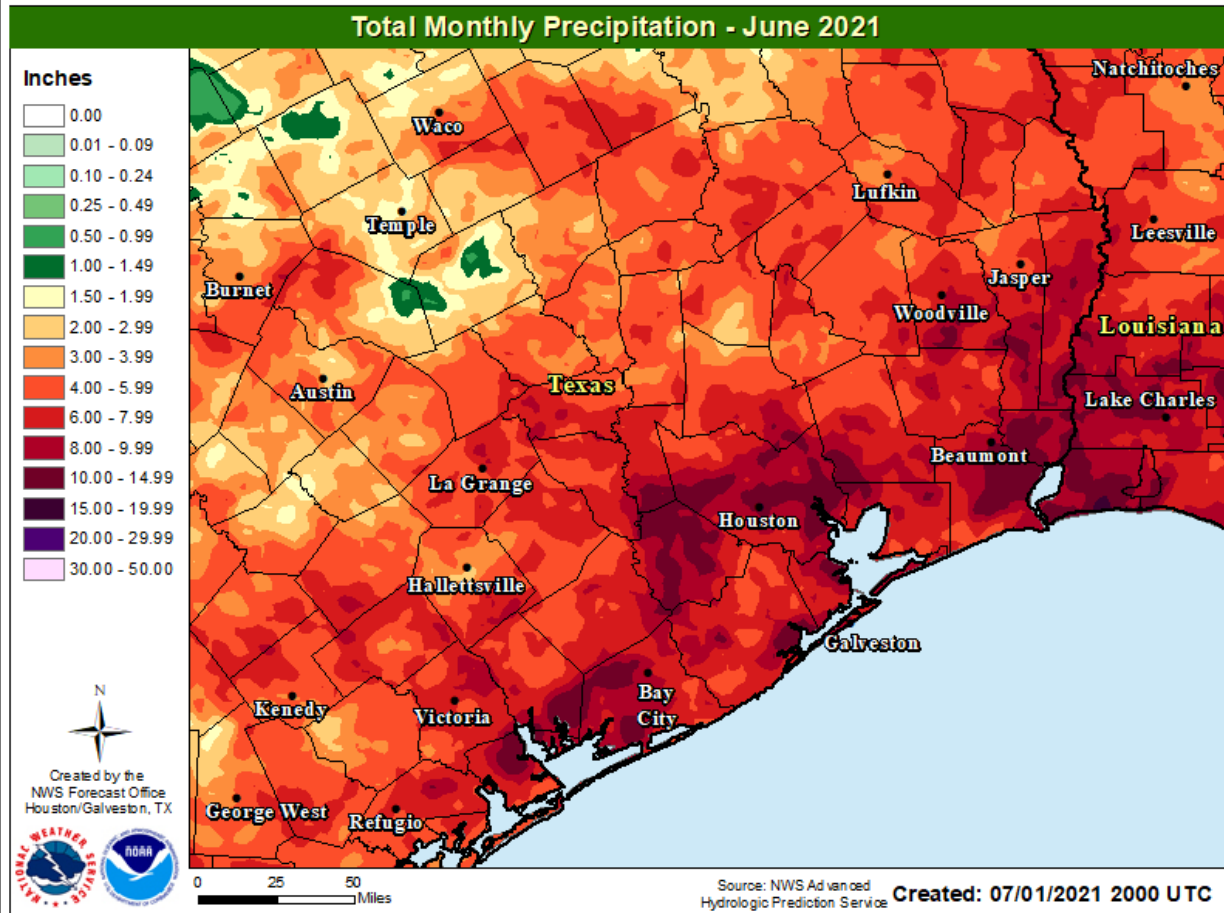
City of Galveston

City of College Station

Houston-Hobby



Precipitation Maps



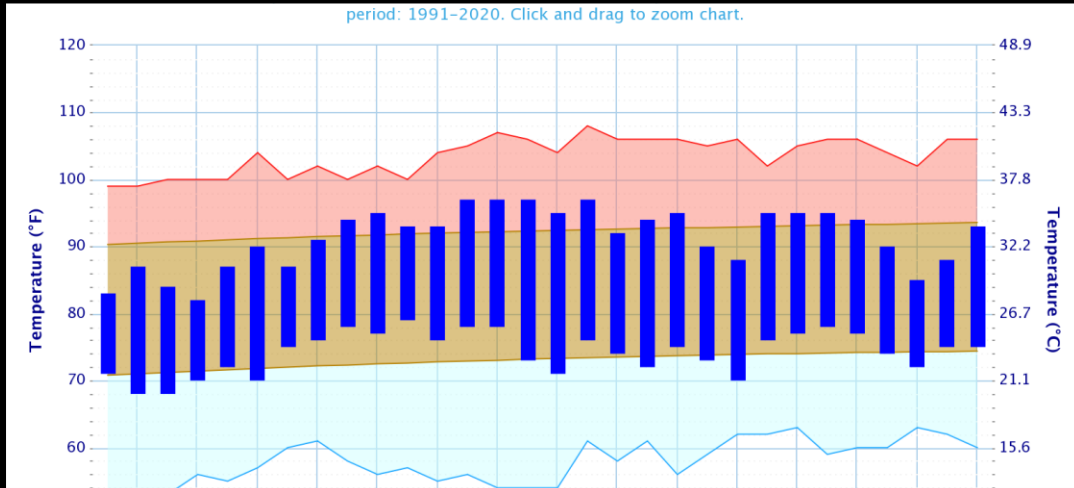
Temperature

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)	89.4	79.1	84.3	83.8	+0.5	95 on the 13 th & 14 th	72 on the 4 th
Houston Hobby (HOU)	92.7	77.6	85.1	82.9	+2.2	100 on the 13 th	72 on the 2 nd & 3 rd
City of Houston (IAH)	92.2	74.9	83.6	83.0	+0.6	99 on the 13 th	68 on the 2 nd
College Station (CLL)	91.4	74.1	82.8	82.6	+0.2	97 on the 14 th , 15 th & 17 th	68 on the 2 nd & 3 rd

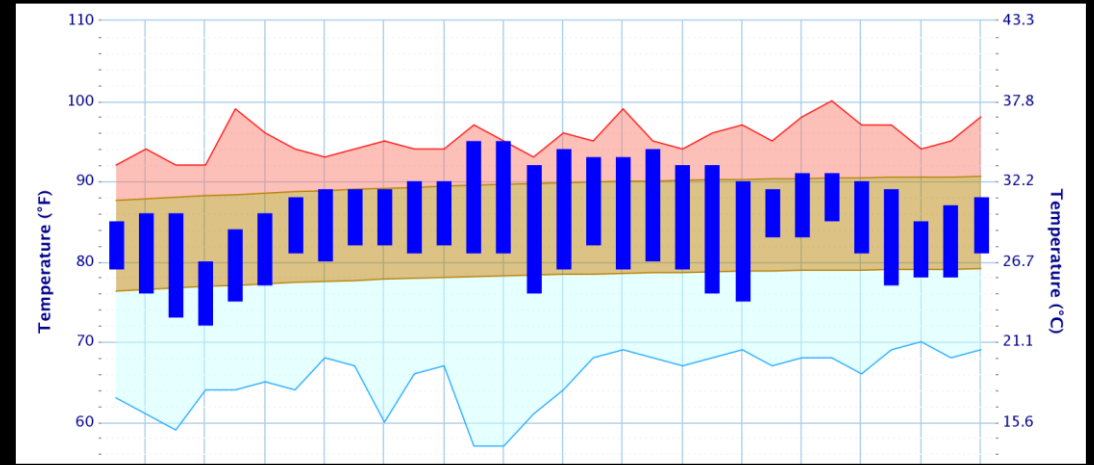
Temperature Charts

City of College Station

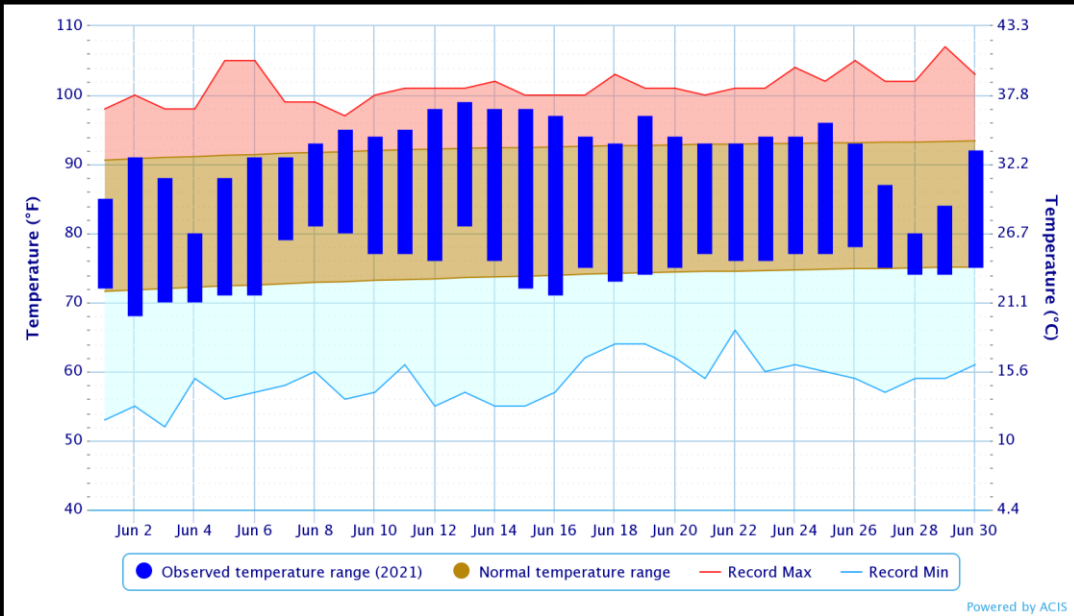
period: 1991-2020. Click and drag to zoom chart.



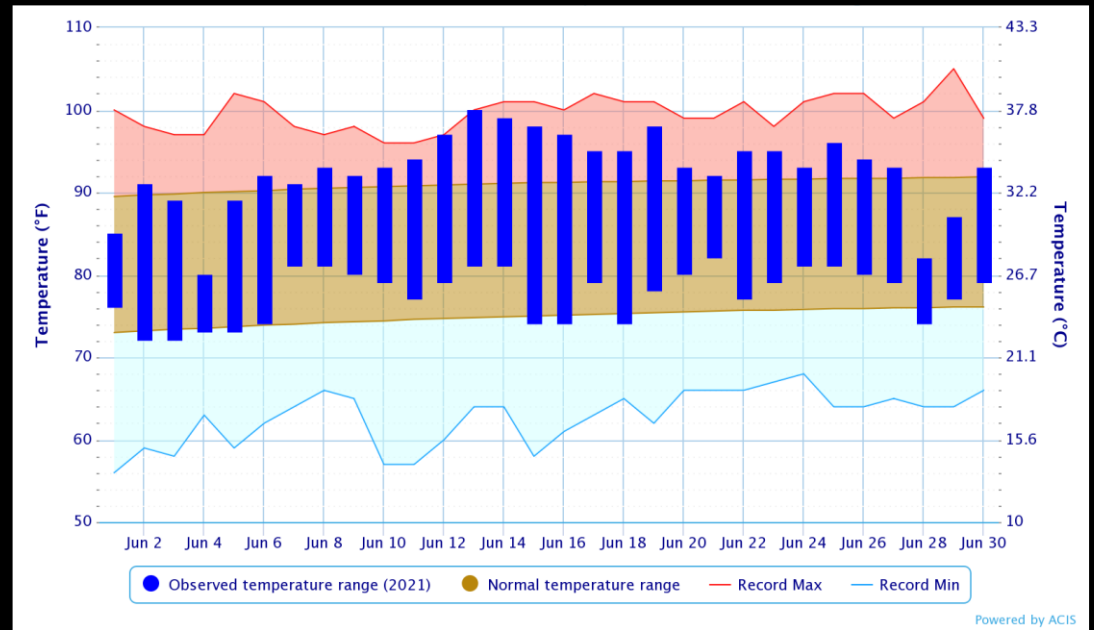
City of Galveston



City of Houston



Houston-Hobby



Daily Record Reports

Site	Date	Record Type	New Record	Previous Record
City of Houston	June 7 th	High Minimum Temp	79° - T	79° in 2007
City of Houston	June 13 th	High Minimum Temp	81° - T	81° in 2010
Houston-Hobby	June 7 th	High Minimum Temp	81°	80° in 2008
Houston-Hobby	June 8 th	High Minimum Temp	81° - T	81° in 1974
Houston-Hobby	June 9 th	High Minimum Temp	80° - T	80° in 2020
Houston-Hobby	June 12 th	High Minimum Temp	79° - T	79° in 2010
Houston-Hobby	June 12 th	High Maximum Temp	97° - T	97° in 2011
Houston-Hobby	June 13 th	High Minimum Temp	81°	80° in 2011
Houston-Hobby	June 13 th	High Maximum Temp	100° - T	100° in 1998
Houston-Hobby	June 14 th	High Minimum Temp	81°	80° in 2001

There were 17 daily records set during the month of June.



Key

High Max

Low Max

Precip

Snow

High Min

Low Min

Daily Record Reports

Site	Date	Record Type	New Record	Previous Record
Houston-Hobby	June 20 th	High Minimum Temp	80° - T	80° in 2017
Houston-Hobby	June 21 st	High Minimum Temp	82° - T	82° in 2019
Houston-Hobby	June 24 th	High Minimum Temp	81°	80° in 1969
Houston-Hobby	June 25 th	High Minimum Temp	81° - T	81° in 2012
City of Galveston	June 12 th	High Minimum Temp	82° - T	82° in 2018
City of Galveston	June 14 th	High Maximum Temp	95°	94° in 1911
City of Galveston	June 25 th	High Minimum Temp	85° Tied for all time highest minimum for month of June	84° in 2012

There were 17 daily records set during the month of June.



Key

High Max

Low Max

Precip

Snow

High Min

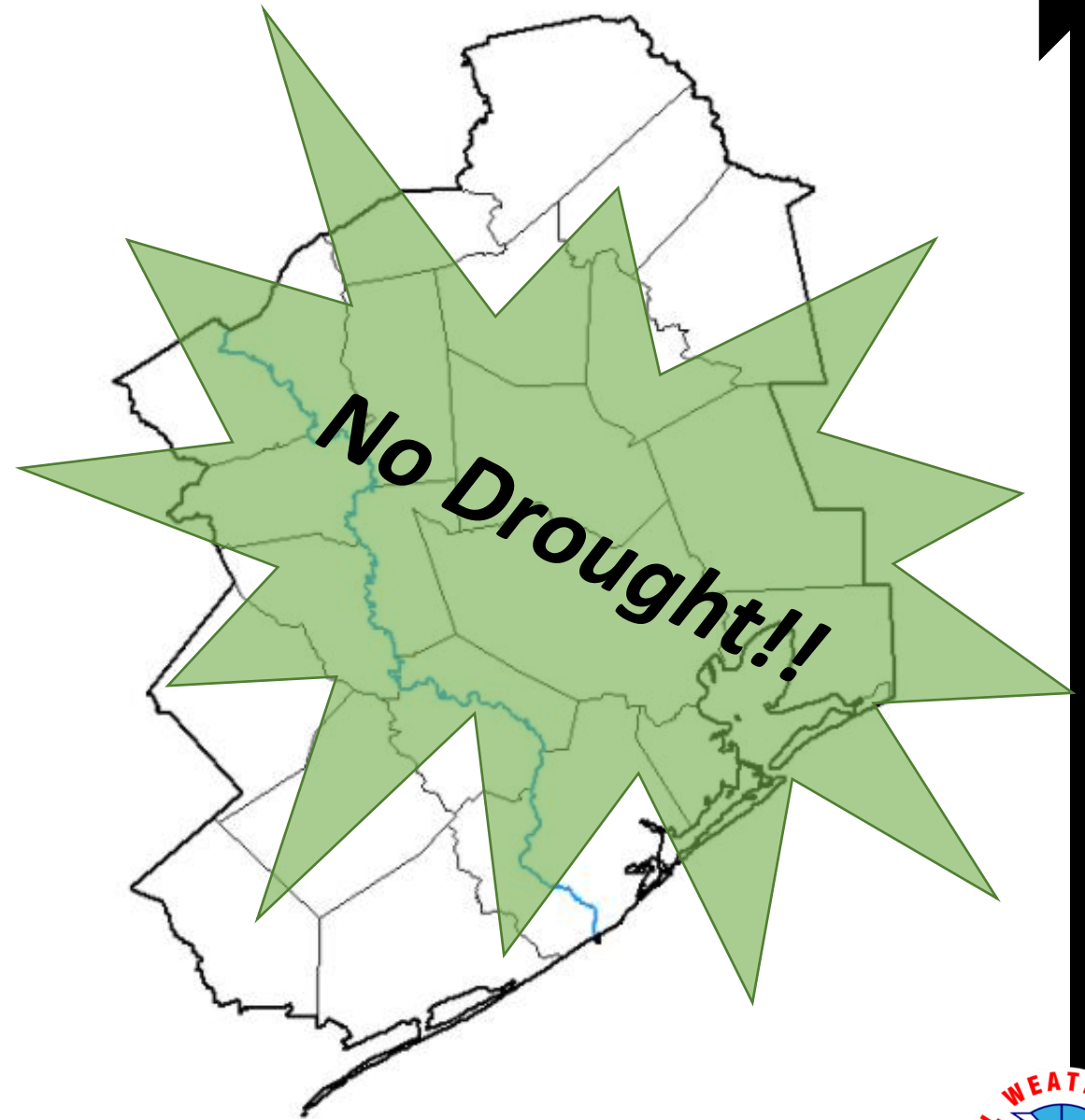
Low Min

Drought Monitor

As of June 29th

An abundance of precipitation has completely wiped out drought conditions across the area and no drought is expected to form over the next month.

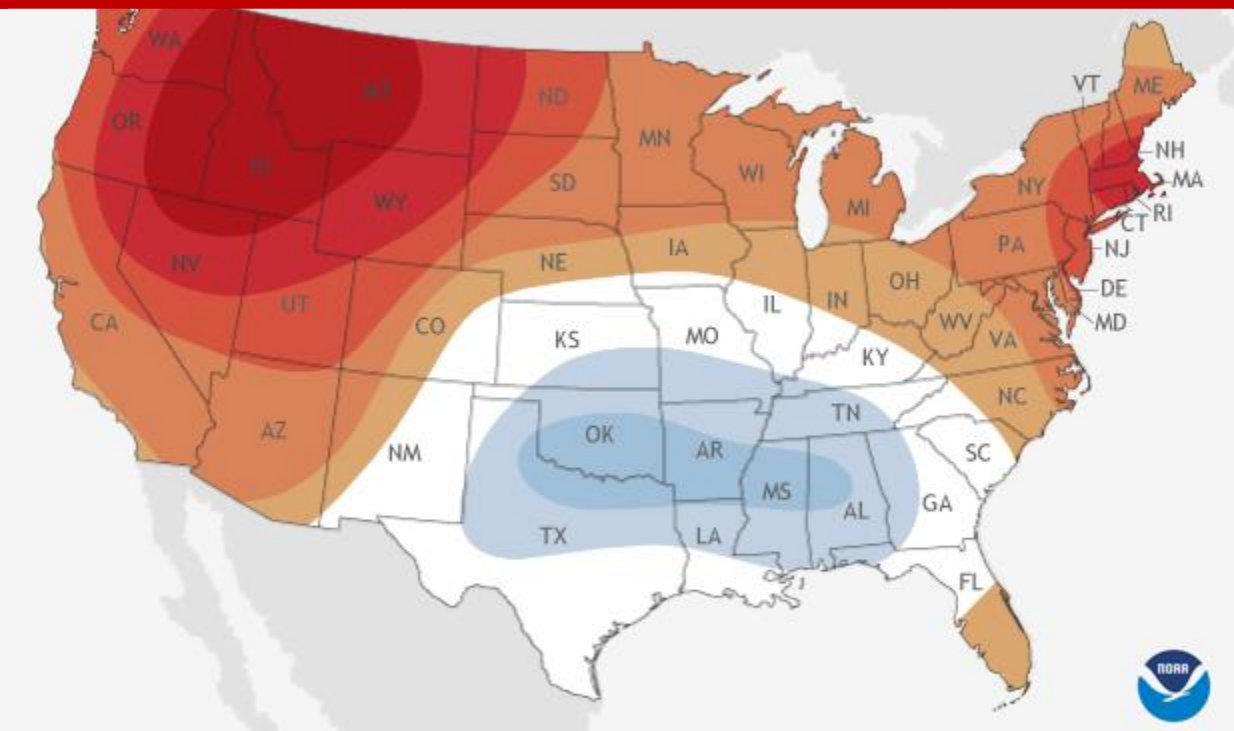
via <https://droughtmonitor.unl.edu/>



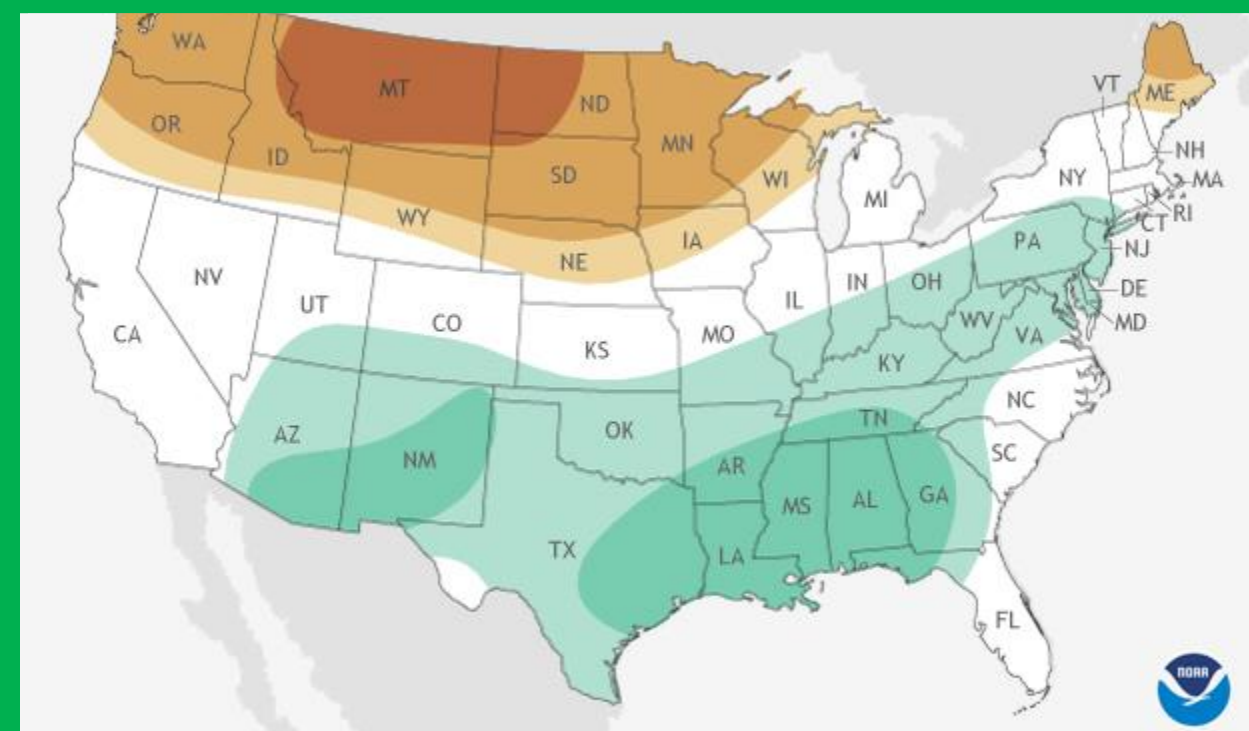
July Outlook

Location	Average Temp(°F)	Normal High (°F)	Normal Low (°F)
Galveston	85.5	91.3	79.7
Houston Hobby	84.8	92.9	76.6
City of Houston	85.1	94.5	75.7
College Station	85.1	95.4	74.9

Location	Normal Monthly Precipitation (in.)
Galveston	3.41
Houston Hobby	4.59
City of Houston	3.77
College Station	1.98



Temperature Outlook for July 2021
 Issued 30 Jun 2021
 Probability (percent chance)
 cooler than normal equal chances warmer than normal
 80 70 60 50 40 33 33 40 50 60 70 80
 Climate.gov Data: CPC

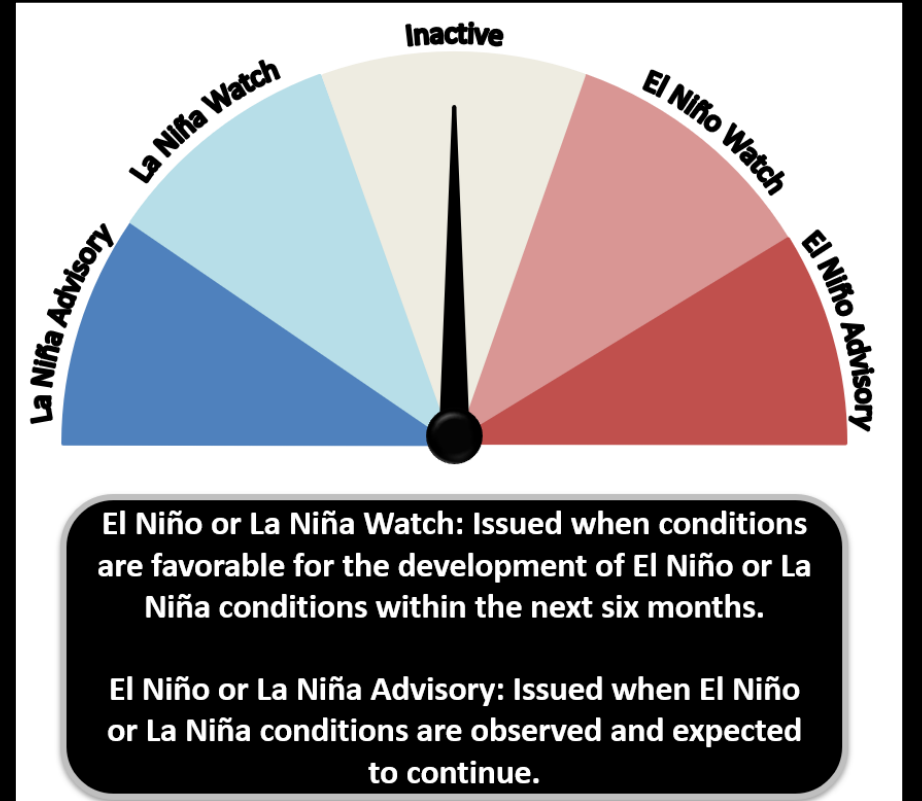
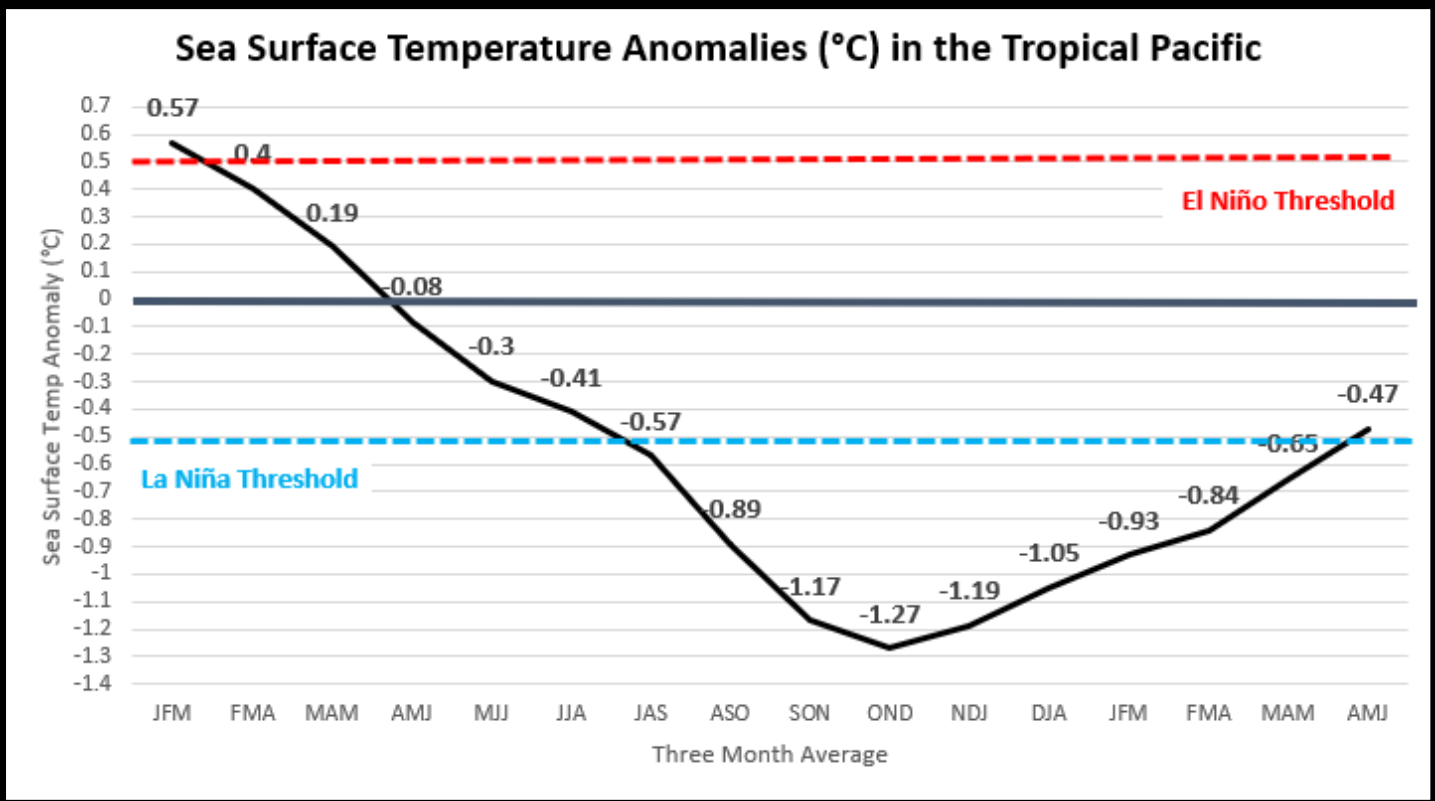


Precipitation Outlook for July 2021
 Issued 30 Jun 2021
 Probability (percent chance)
 drier than normal equal chances wetter than normal
 80 70 60 50 40 33 33 40 50 60 70 80
 Climate.gov Data: CPC

Current ENSO Phase: Neutral

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

- There is a 78% chance of ENSO-Neutral conditions continuing through the Summer
- There is a 50% chance of ENSO-Neutral conditions continuing through the Fall



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.

