

NWS Houston, Texas June 2022 Regional Climate Summary

Produced by Jimmy Fowler

***...Warmest June on Record for Most of Area...
...Drought Worsens...***

Another exceptionally dry and warm month for across Southeast Texas with average temperatures around three to five degrees above normal and around three to six inches below normal for precipitation. The first triple digit heat of the summer arrived for College Station and Houston, which is about a month before the average first triple digit heat day. Houston-Hobby recorded its driest June on record with just 0.35" of rain total. The continued dry and hot weather brought drought degradations across the region with Extreme Drought experienced for much of the region.

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 – 12	Daily Record Reports
13	Drought Monitor
14	Next Month Outlook
15	ENSO Review
16	Climate Primary Site History



By the Numbers: June 2022

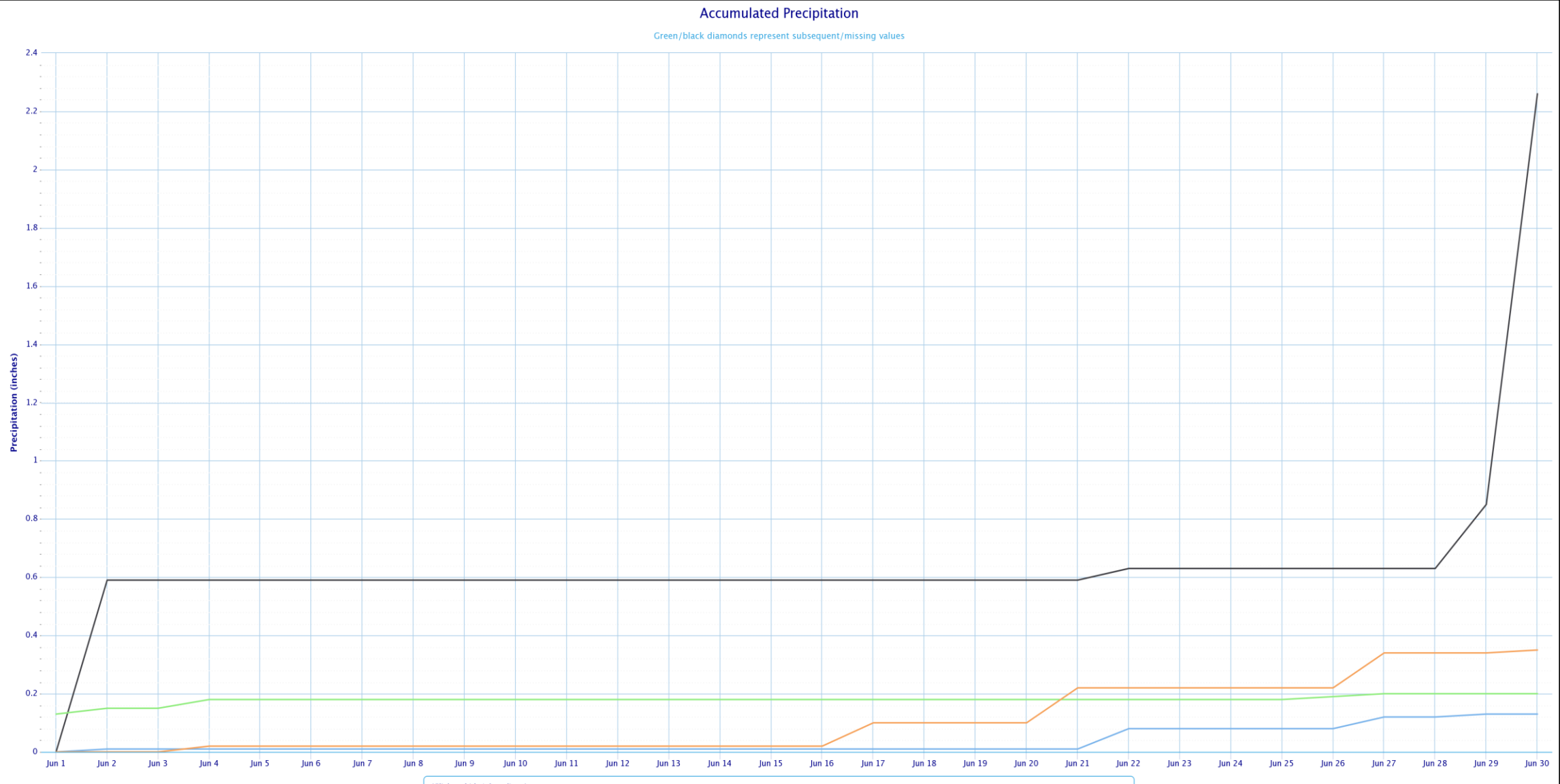


Location (records started)	Average Temp	Ranking	Total Rainfall	Ranking
City of Houston, TX (1888)	86.7°F	Warmest on Record	0.13"	3 rd Driest
Houston Hobby, TX (1930)	86.4°F	Warmest on Record	0.35"	2 nd Driest
City of Galveston, TX (1871)	87.5°F	Warmest on Record	2.26"	53 rd Driest
City of College Station, TX (1882)	87.6°F	Warmest on Record	0.20"	8 th Driest
Conroe, TX (1997)	84.3°F	2 nd Warmest	0.03"	Driest on Record
Huntsville, TX (1997)	87.6°F	Warmest on Record	0.15"	2 nd Driest
Sugar Land, TX (2000)	86.0°F	Warmest on Record	0.46"	Driest on Record
Palacios, TX (1943)	85.7°F	2 nd Warmest	1.51"	19 th Driest
Clover Field (Pearland), TX (1997)	85.4°F	Warmest on Record	0.52"	2 nd Driest
David Wayne Hooks (Tomball), TX (1998)	86.4°F	Warmest on Record	0.14"	2 nd Driest
Angleton, TX (1998)	84.2°F	Warmest on Record	0.66"	2 nd Driest
League City, TX (1990)	84.4°F	2 nd Warmest	3.31"	8 th Driest

Precipitation

Location	Total Precipitation (in.)	Departure from Normal (in.)	Number of Thunder Days	Maximum Daily Precipitation (in./date)	
Galveston (GLS)	2.26	-1.97	5	1.41	30 th
Houston Hobby (HOU)	0.35 Driest on Record	-5.74	3	0.12	27 th
City of Houston (IAH)	0.13	-5.87	4	0.07	22 nd
College Station (CLL)	2.46	-2.14	6	0.93	5 th

Precipitation Accumulation Graph



City of Houston

City of Galveston

City of College Station

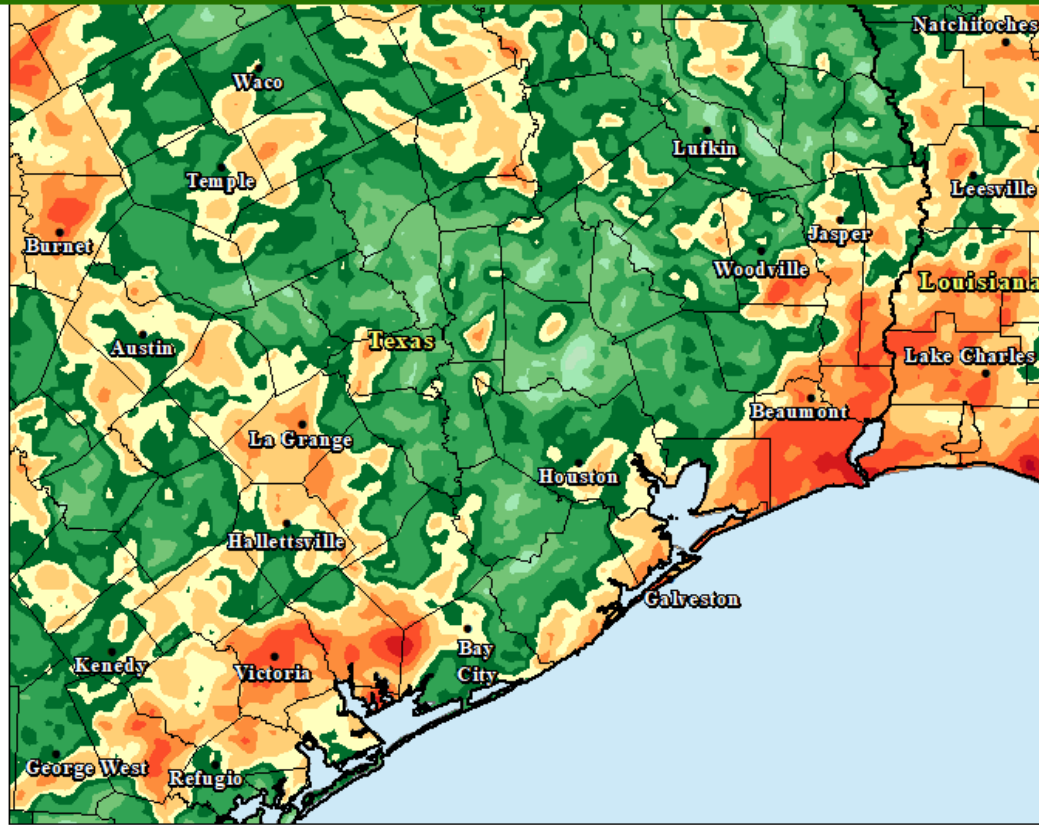
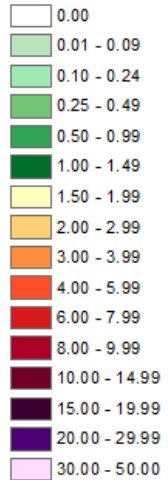
Houston-Hobby



Precipitation Maps

Total Monthly Precipitation - June 2022

Inches



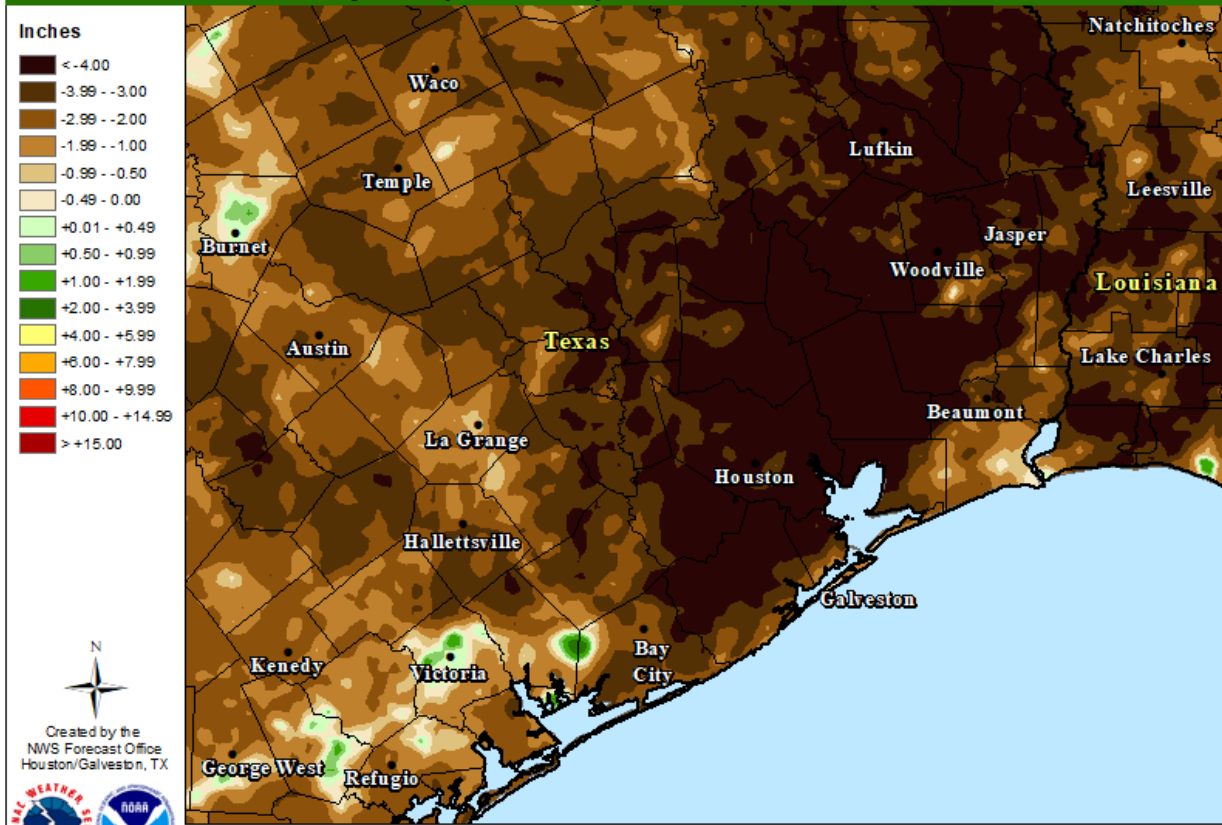
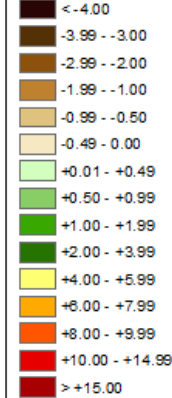
Created by the
NWS Forecast Office
Houston/Galveston, TX



Source: NWS Advanced
Hydrologic Prediction Service Created: 07/01/2022 2000 UTC

Total Monthly Precipitation Departure From Normal - June 2022

Inches



Created by the
NWS Forecast Office
Houston/Galveston, TX



Source: NWS Advanced
Hydrologic Prediction Service Created: 07/01/2022 2000 UTC

Temperature

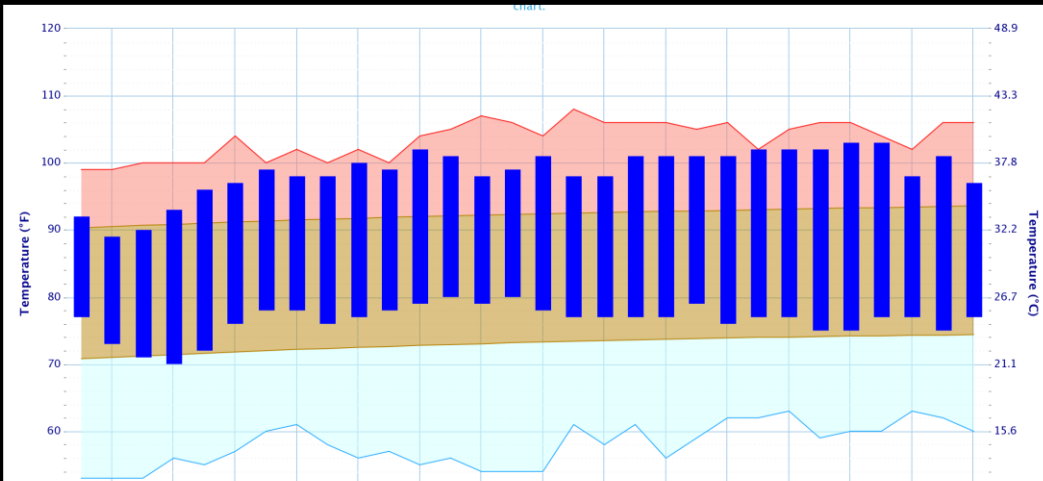
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Location	Average High Temp (F)	Average Low Temp (F)	Average Temp (F)	Normal Average Temp (F)	Departure From Normal Average (F)	Maximum Temperature (F)	Minimum Temperature (F)
Galveston (GLS)	92.7	82.3	87.5	83.8	+3.7	97 on the 19 th & 20 th	77 on the 2 nd & 30 th
Houston Hobby (HOU)	95.7	77.2	86.4	82.9	+3.5	101 on the 20 th & 26 th	73 on the 3 rd & 4 th
City of Houston (IAH)	96.9	76.5	86.7	83.0	+3.7	102 on the 20 th & 26 th	70 on the 3 rd
College Station (CLL)	98.7	76.5	87.6	82.6	+5.0	103 on the 26 th & 27 th	70 on the 4 th

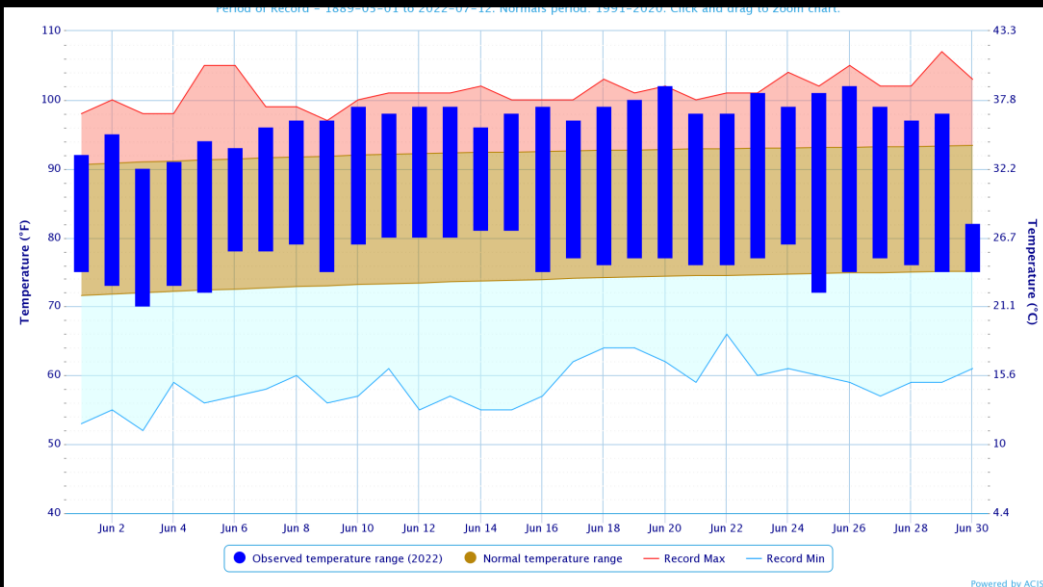
Temperature Charts

8

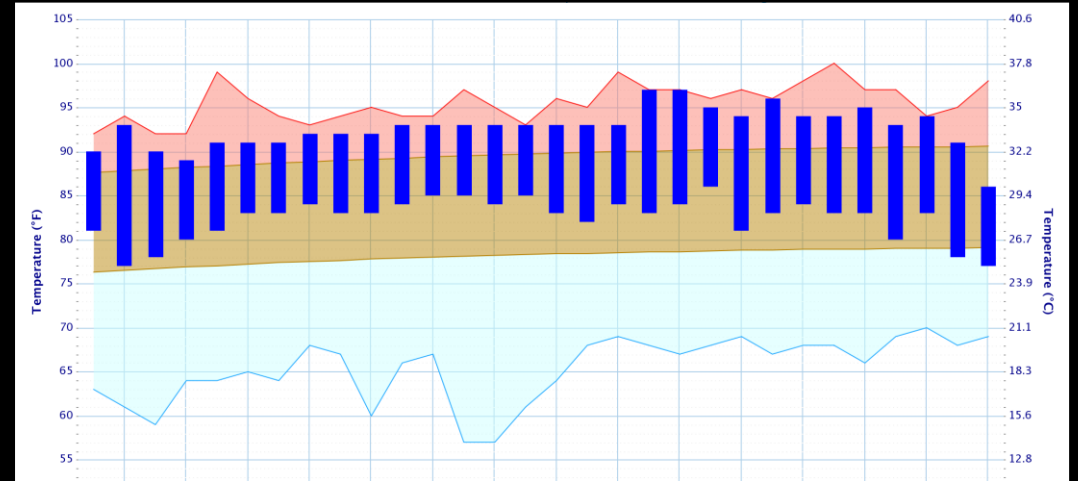
City of College Station



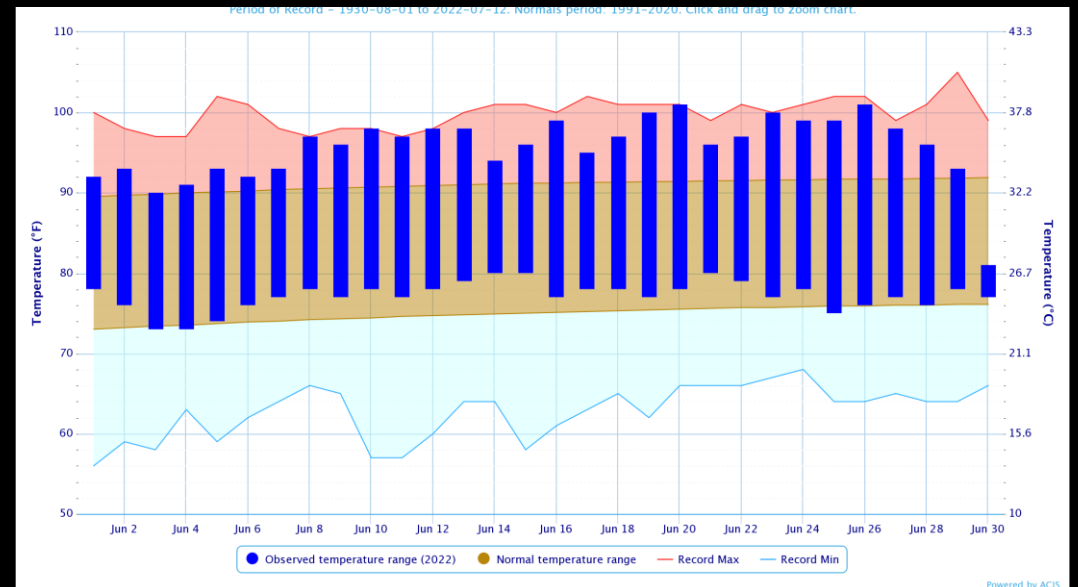
City of Houston



City of Galveston



Houston-Hobby



Daily Record Reports

Site	Date	Record Type	New Record	Previous Record
City of College Station	June 23 rd	High Maximum Temp	102° - T	102° in 1953
City of Houston	June 9 th	High Maximum Temp	97° - T	97° in 2020
City of Houston	June 11 th	High Minimum Temp	80° - T	80° in 2018
City of Houston	June 14 th	High Minimum Temp	81°	80° in 2001
City of Houston	June 15 th	High Minimum Temp	81° - T	81° in 2001
City of Houston	June 20 th	High Maximum Temp	102°	101° in 1902
City of Houston	June 23 rd	High Maximum Temp	101° - T	101° in 2009
City of Houston	June 24 th	High Minimum Temp	79° - T	79° in 2018
Houston-Hobby	June 1 st	High Minimum Temp	78° - T	78° in 2013
Houston-Hobby	June 9 th	High Maximum Temp	97° - T	97° in 1948

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



Key

High Max

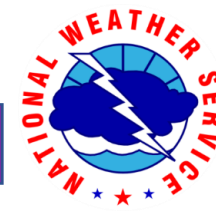
Low Max

Precip

Snow

High Min

Low Min



Daily Record Reports

Site	Date	Record Type	New Record	Previous Record
Houston-Hobby	June 10 th	High Maximum Temp	98°	96° in 1998
Houston-Hobby	June 11 th	High Maximum Temp	97°	96° in 1953
Houston-Hobby	June 12 th	High Maximum Temp	98°	97° in 2021
Houston-Hobby	June 15 th	High Minimum Temp	80° - T	80° in 1958
Houston-Hobby	June 20 th	High Maximum Temp	101°	99° in 1933
Houston-Hobby	June 23 rd	High Maximum Temp	100°	98° in 2009
City of Galveston	June 6 th	High Minimum Temp	83°	81° in 2020
City of Galveston	June 7 th	High Minimum Temp	83°	82° in 1994
City of Galveston	June 8 th	High Minimum Temp	84°	83° in 1994
City of Galveston	June 10 th	High Minimum Temp	83° - T	83° in 2018

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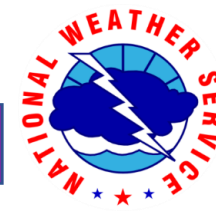
Low Max

Precip

Snow

High Min

Low Min



Daily Record Reports

Site	Date	Record Type	New Record	Previous Record
City of Galveston	June 11 th	High Minimum Temp	84°	83° in 2018
City of Galveston	June 12 th	High Minimum Temp	85°	82° in 2021
City of Galveston	June 13 th	High Minimum Temp	85°	83° in 1994
City of Galveston	June 14 th	High Minimum Temp	84°	83° in 1994
City of Galveston	June 15 th	High Minimum Temp	85°	83° in 1994
City of Galveston	June 15 th	High Maximum Temp	93° - T	93° in 1936
City of Galveston	June 16 th	High Minimum Temp	83° - T	83° in 2011
City of Galveston	June 18 th	High Minimum Temp	83°	82° in 1944
City of Galveston	June 19 th	High Maximum Temp	97°	95° in 1875
City of Galveston	June 19 th	High Minimum Temp	83°	82° in 2019

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High Max

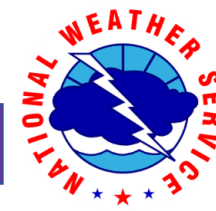
Low Max

Precip

Snow

High Min

Low Min



Daily Record Reports

Site	Date	Record Type	New Record	Previous Record
City of Galveston	June 20 th	High Maximum Temp	97°	94° in 1933
City of Galveston	June 20 th	High Minimum Temp	84° - T	84° in 2019
City of Galveston	June 21 st	High Minimum Temp	86°	85° in 2019
City of Galveston	June 23 rd	High Maximum Temp	96°	95° in 1995
City of Galveston	June 28 th	High Maximum Temp	94° - T	94° in 2013

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June.



High Max

Low Max

Precip

Key

Snow

High Min

Low Min



Drought Monitor

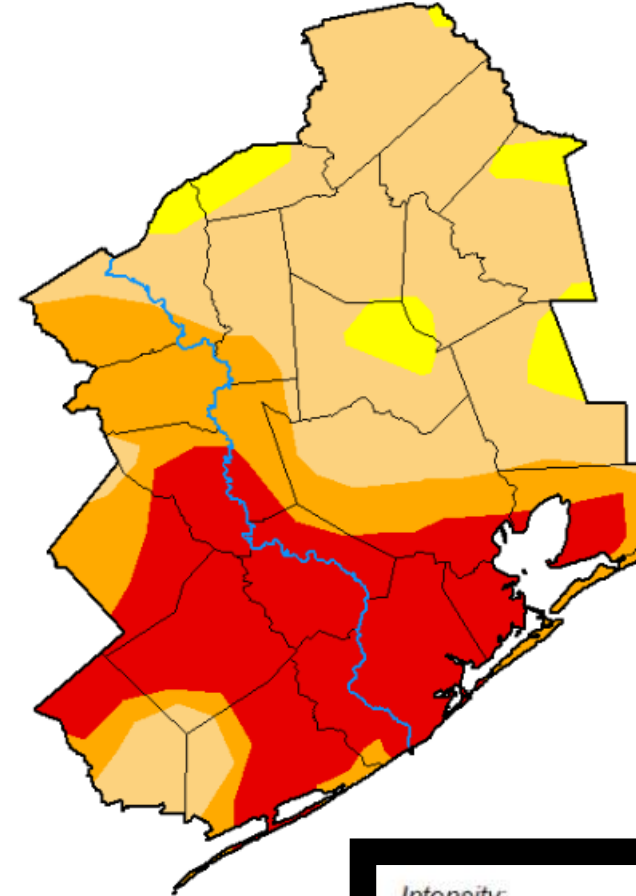
As of July 5th

13

The well below normal precipitation totals during the month of June lead to drought degradation across the entire region. Extreme Drought (D3) conditions are prevalent generally along and south of I-10 with Moderate (D1) to Severe (D2) drought experienced elsewhere across the region with a few isolated areas of Abnormally Dry (D0) conditions.

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

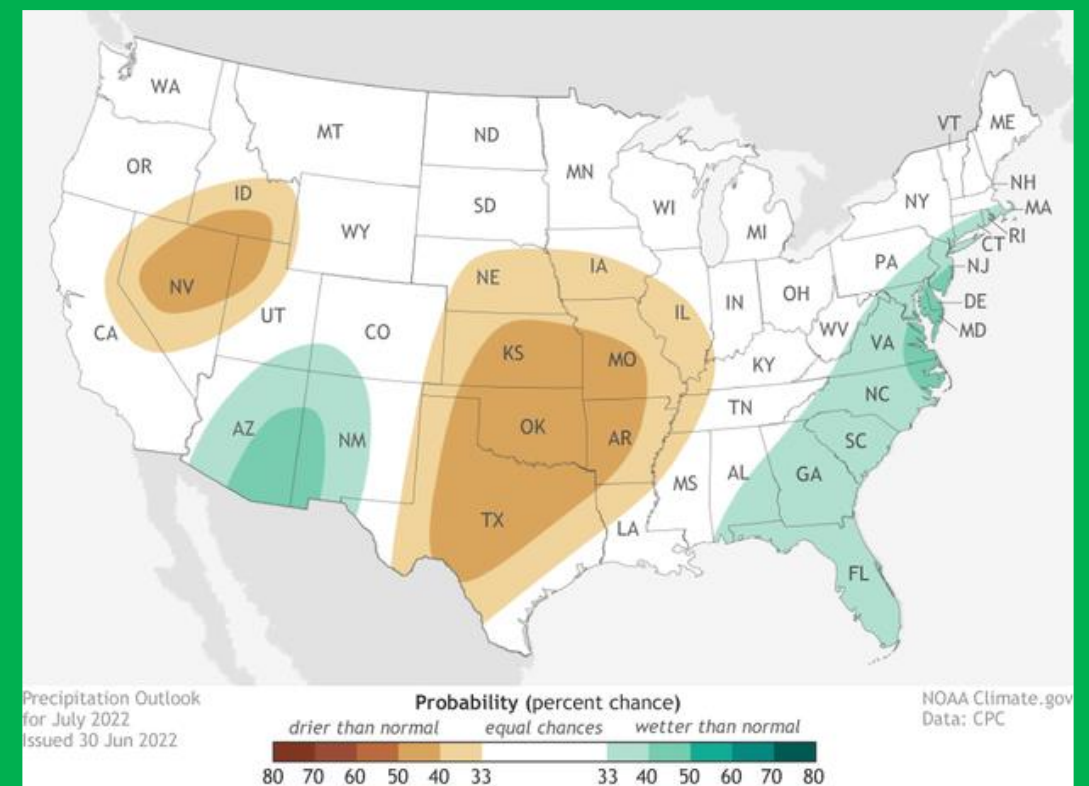
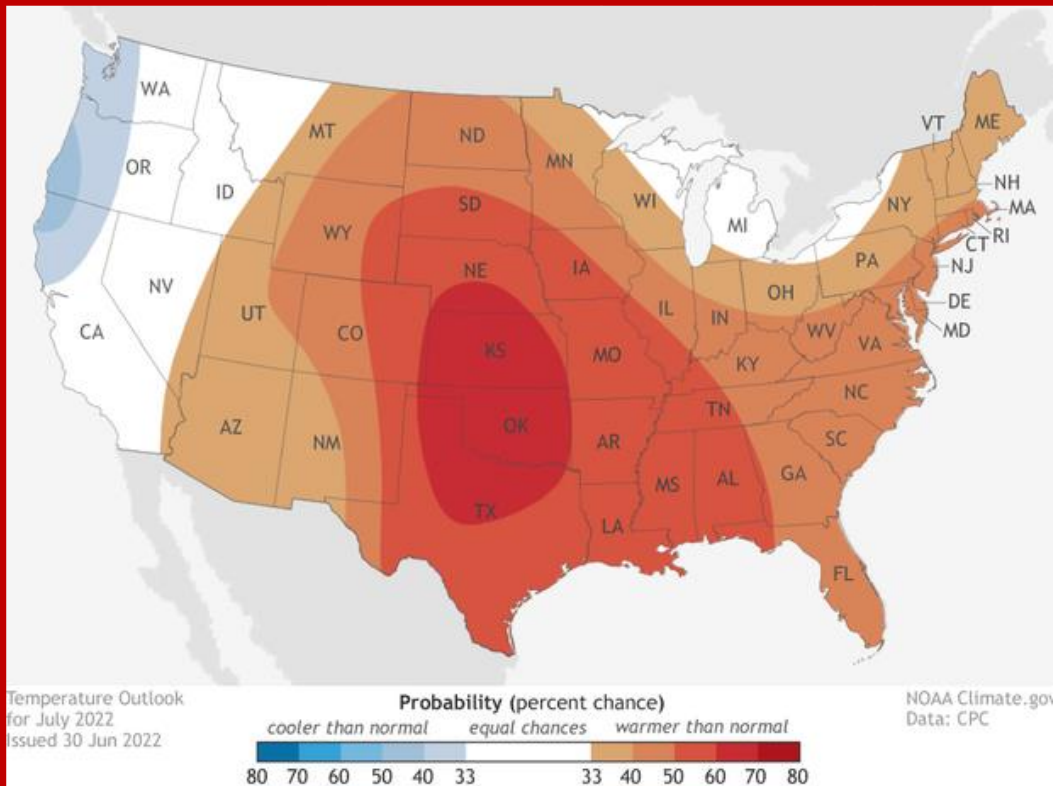
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

July Outlook

14

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

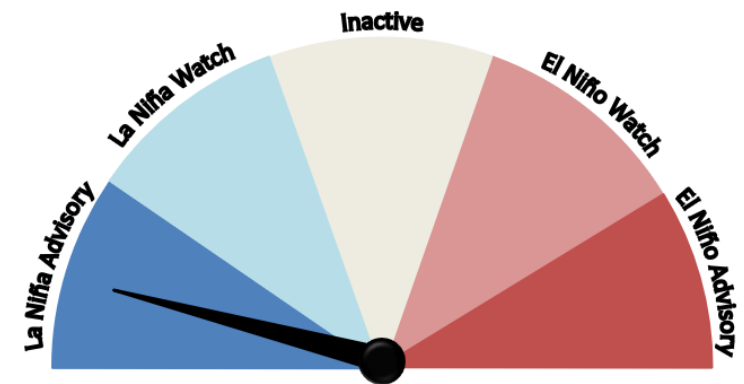
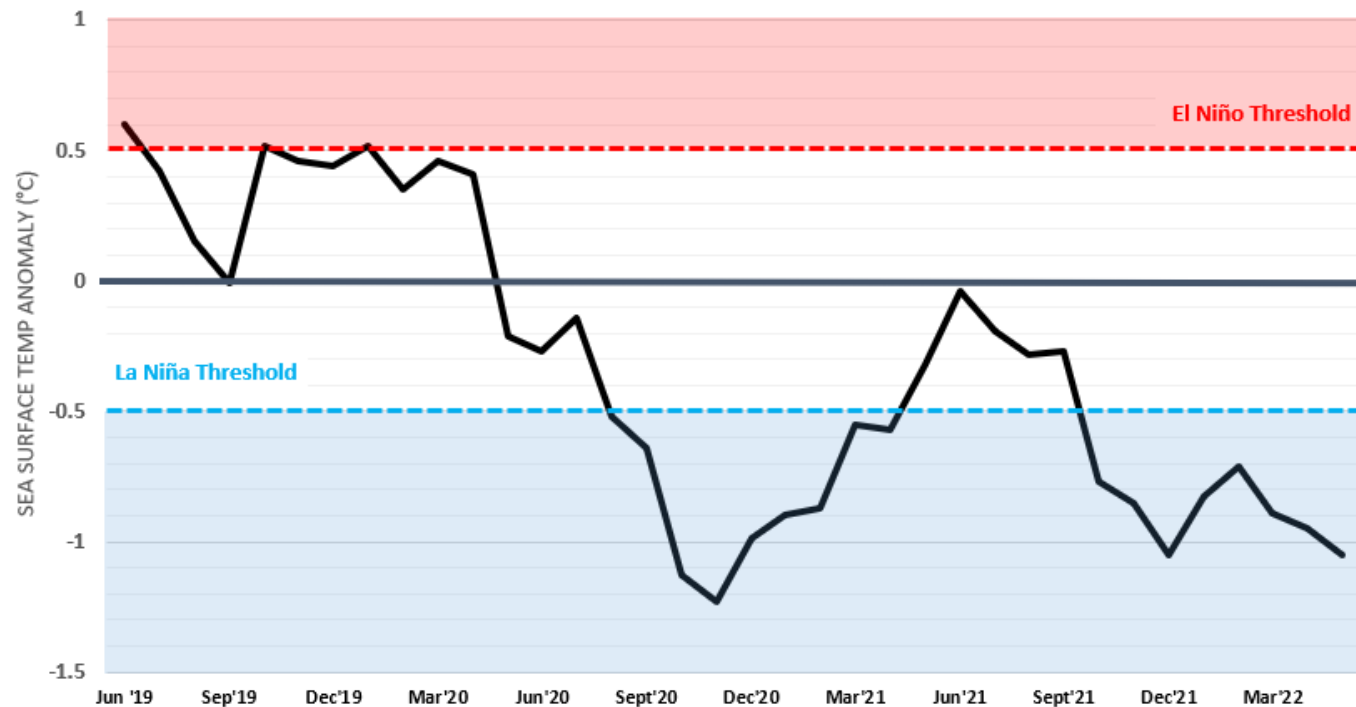
Location	Normal Monthly Precipitation (in.)
Galveston	3.41
Houston Hobby	4.59
City of Houston	3.77
College Station	1.98



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

- La Niña conditions are expected to continue through the end of the year.

Sea Surface Temperature Anomalies (°C) in the Tropical Pacific



El Niño or La Niña Watch: Issued when conditions are favorable for the development of El Niño or La Niña conditions within the next six months.

El Niño or La Niña Advisory: Issued when El Niño or La Niña conditions are observed and expected to continue.

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.

