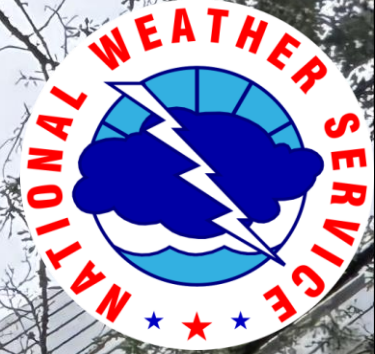


# NWS Houston, Texas July 2024 Regional Climate Summary

Produced by Jimmy Fowler



***...Hurricane Beryl Causes Widespread Wind Damage and Heavy Rainfall...***

***...Additional Heavy Rainfall along the Coast at the End of the Month...***

*The main story this month was the devastating impacts from Hurricane Beryl that made landfall near Matagorda during the early morning hours on July 8<sup>th</sup>. Beryl caused widespread vegetation damage, power outages, heavy rainfall, and coastal flooding. After a couple weeks of quiet, rainy weather returned to Southeast Texas with many areas seeing an additional several inches of rainfall. Because of the overcast and rainy weather, temperatures were near to slightly below normal across the region. Rainfall totals were around 6 to 15 inches above normal by the end of the month for much of the region and several locations saw their wettest July on record.*

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# By the Numbers: July 2024

Location (records started)	Average Temp	Ranking	Total Rainfall	Ranking
City of Houston, TX (1888)	84.1°F	54 <sup>th</sup> Warmest	10.89"	5 <sup>th</sup> Wettest
Houston Hobby, TX (1930)	<b>84.9°F</b>	21 <sup>st</sup> Warmest	12.09"	4 <sup>th</sup> Wettest
City of Galveston, TX (1871)	84.0°F	57 <sup>th</sup> Warmest	18.68"	2 <sup>nd</sup> Wettest
City of College Station, TX (1882)	84.0°F	58 <sup>th</sup> Coolest	4.27"	23 <sup>rd</sup> Wettest
Palacios, TX (1943)	83.6°F	30 <sup>th</sup> Coolest	19.52"	<b>Wettest on Record</b>
Huntsville, TX (1997)	82.3°F	2 <sup>nd</sup> Coolest	11.38"	<b>Wettest on Record</b>
Sugar Land, TX (2000)	83.5°F	7 <sup>th</sup> Coolest	10.15"	2 <sup>nd</sup> Wettest
Conroe, TX (1997)	82.7°F	14 <sup>th</sup> Coolest	12.80"	2 <sup>nd</sup> Wettest
Clover Field (Pearland), TX (1997)	84.0°F	13 <sup>th</sup> Coolest	10.32"	4 <sup>th</sup> Wettest
David Wayne Hooks (Tomball), TX (1998)	83.6°F	13 <sup>th</sup> Coolest	11.45"	2 <sup>nd</sup> Wettest
Angleton, TX (1998)	<b>81.9°F</b>	7 <sup>th</sup> Coolest	13.84"	<b>Wettest on Record</b>
League City, TX (1990)	Missing	Missing	20.21"	<b>Wettest on Record</b>





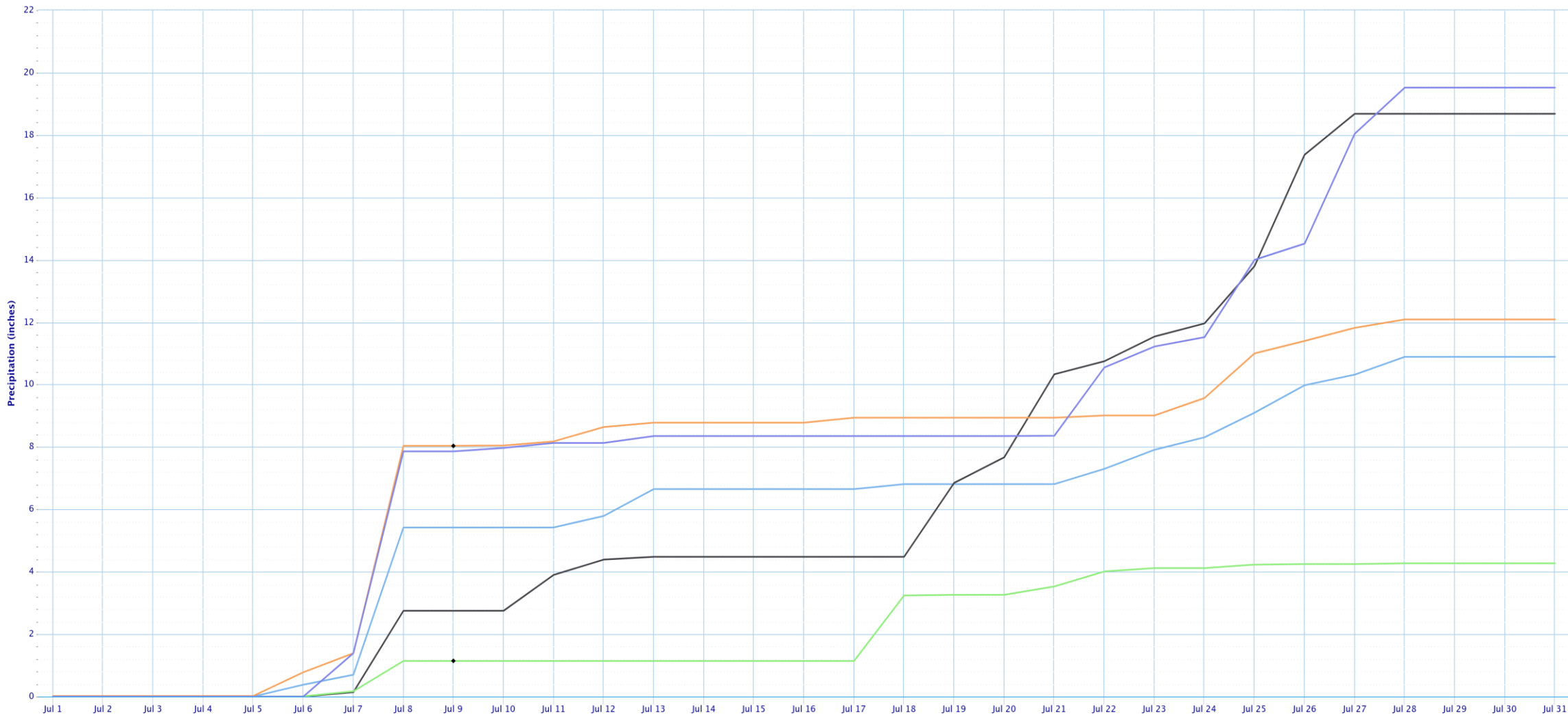
# Precipitation

Location	Total Precipitation (in.)	Departure from Normal (in.)	Number of Thunder Days	Maximum Daily Precipitation (in./date)	
Galveston (GLS)	18.68	+15.28	16	3.57	26 <sup>th</sup>
Houston Hobby (HOU)	12.09	+7.50	15	6.65	8 <sup>th</sup>
City of Houston (IAH)	10.89	+7.12	12	4.72	8 <sup>th</sup>
College Station (CLL)	4.27	+2.29	7	2.10	18 <sup>th</sup>
Palacios (PSX)	19.52	+15.85	15	6.47	8 <sup>th</sup>

# Precipitation Accumulation Graph

Accumulated Precipitation

Green/black diamonds represent subsequent/missing values



City of Houston

City of Galveston

City of College Station

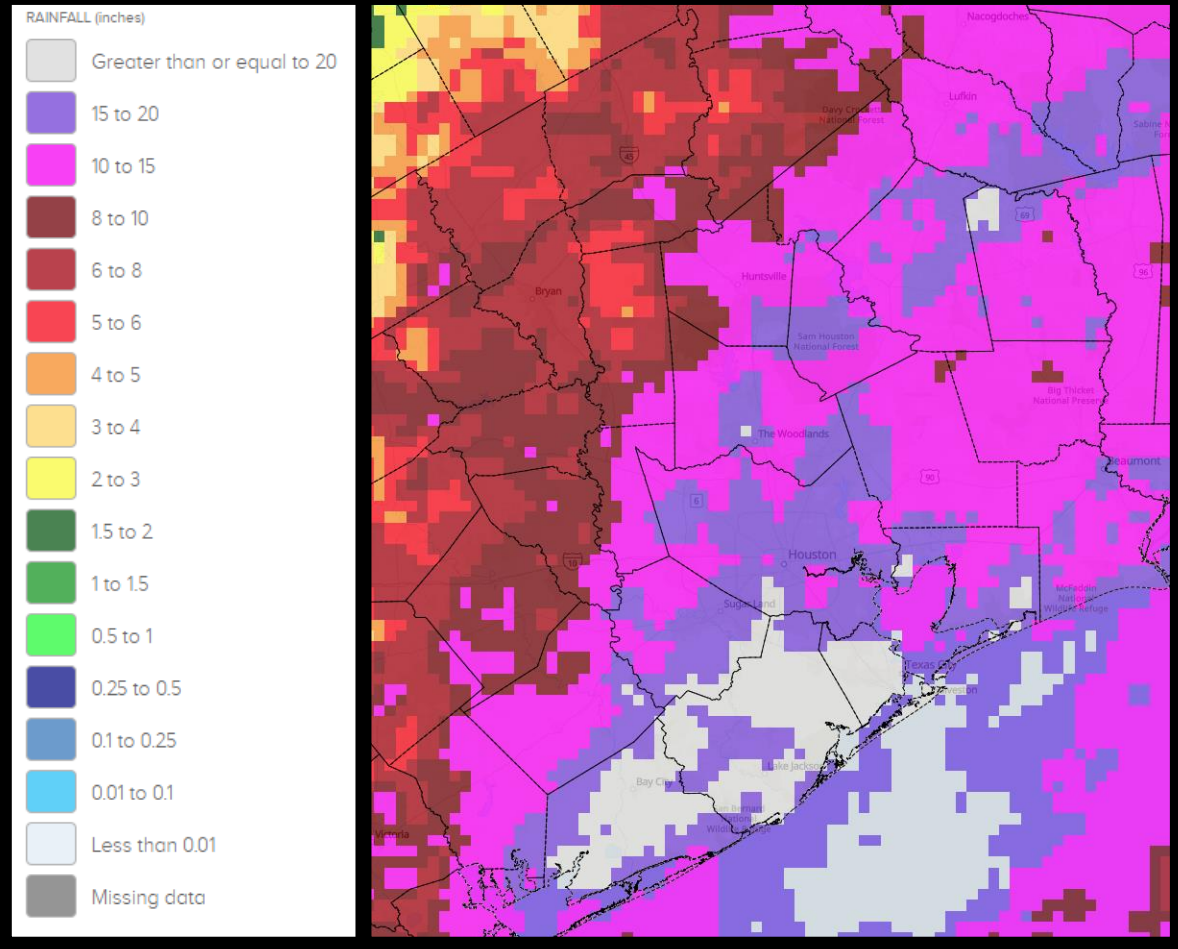
Houston-Hobby

Palacios

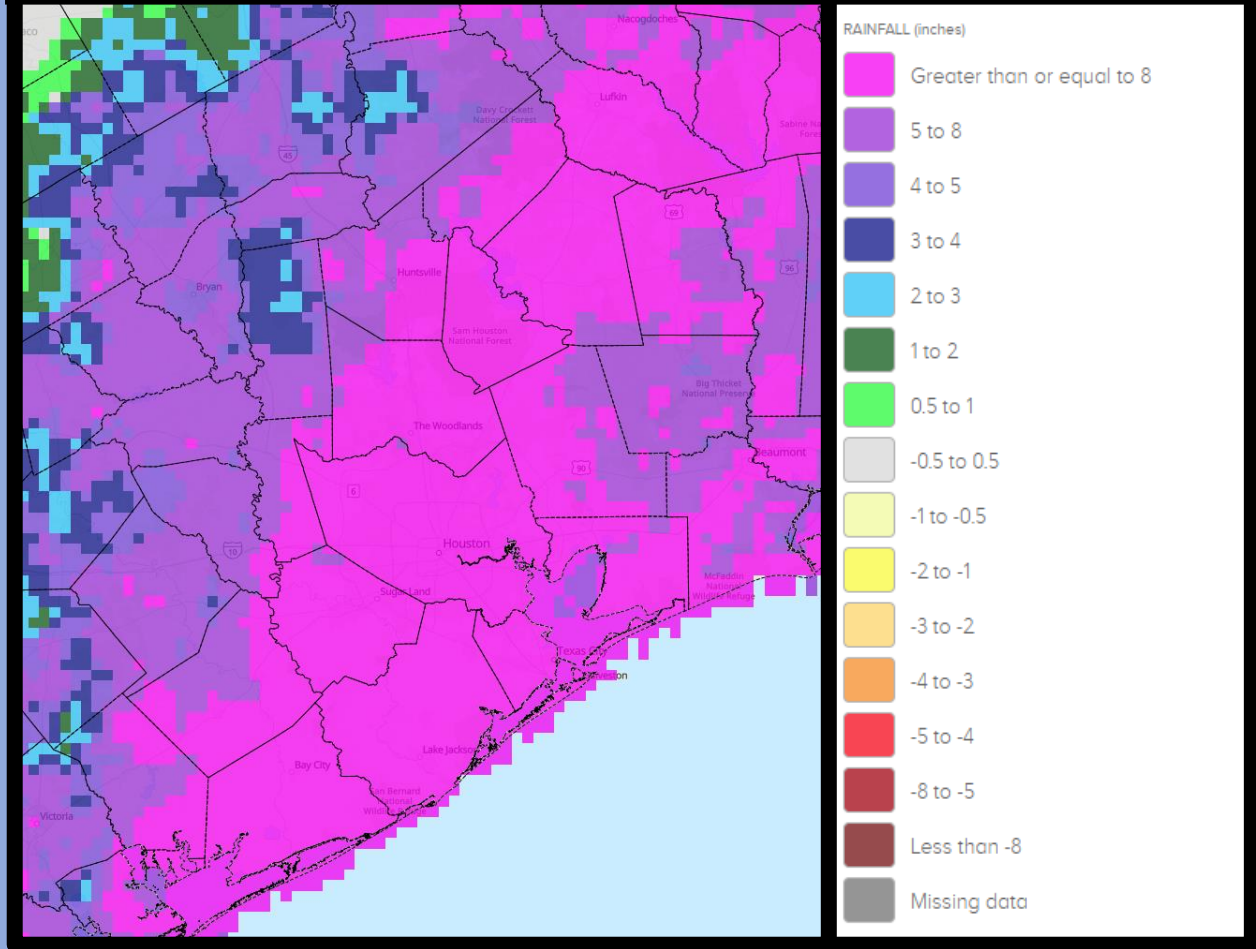


# Precipitation Maps

## Monthly Total Rainfall



## Monthly Rainfall Departure from Normal



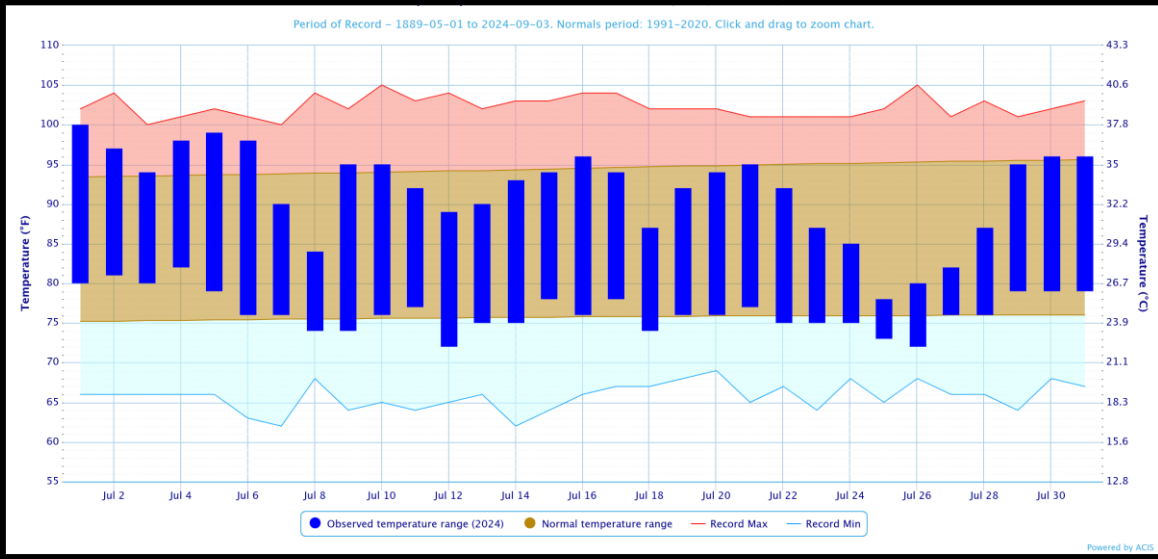
# Temperature

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)	88.9	79.0	84.0	-1.5	94 on the 2 <sup>nd</sup> 5 <sup>th</sup> & 9 <sup>th</sup>	72 on the 25 & 26 <sup>th</sup>
Houston Hobby (HOU)	92.1	77.6	84.9	+0.1	99 on the 1 <sup>st</sup>	73 on the 25 <sup>th</sup>
City of Houston (IAH)	91.7	76.5	84.1	-1.0	100 on the 1 <sup>st</sup>	72 on the 12 <sup>th</sup> & 26 <sup>th</sup>
College Station (CLL)	92.3	75.8	84.0	-1.1	97 on the 1 <sup>st</sup> 2 <sup>nd</sup> & 17 <sup>th</sup>	70 on the 9 <sup>th</sup>
Palacios (PSX)	89.3	78.0	83.6	-1.8	95 on the 20 <sup>th</sup>	72 on the 25 <sup>th</sup> & 27 <sup>th</sup>

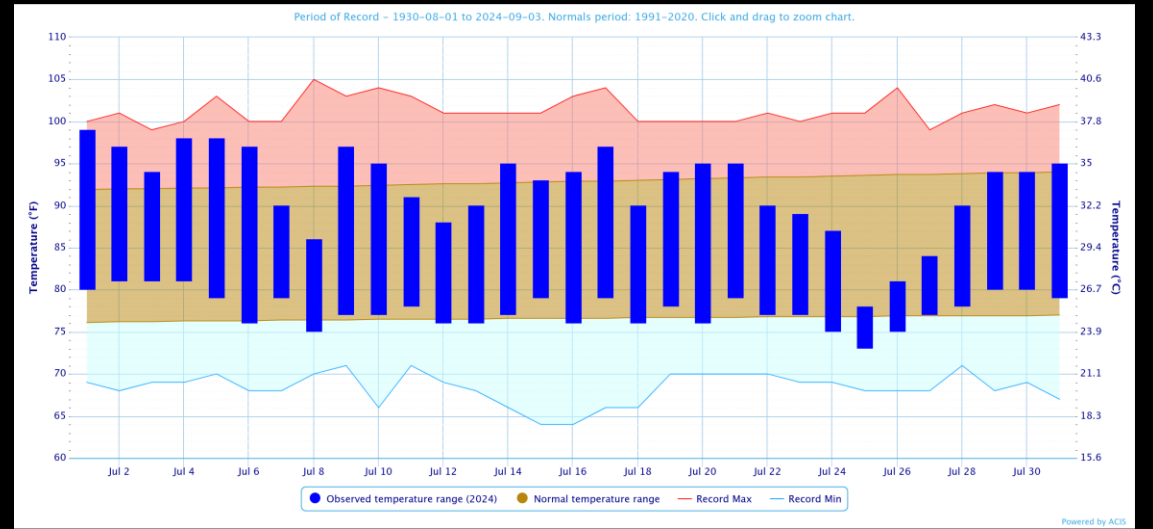


# Temperature Charts

## City of Houston

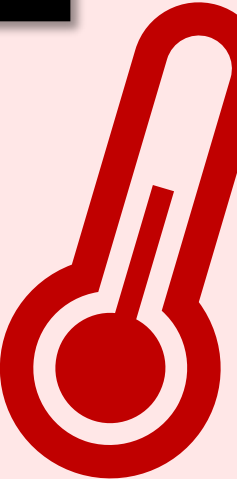
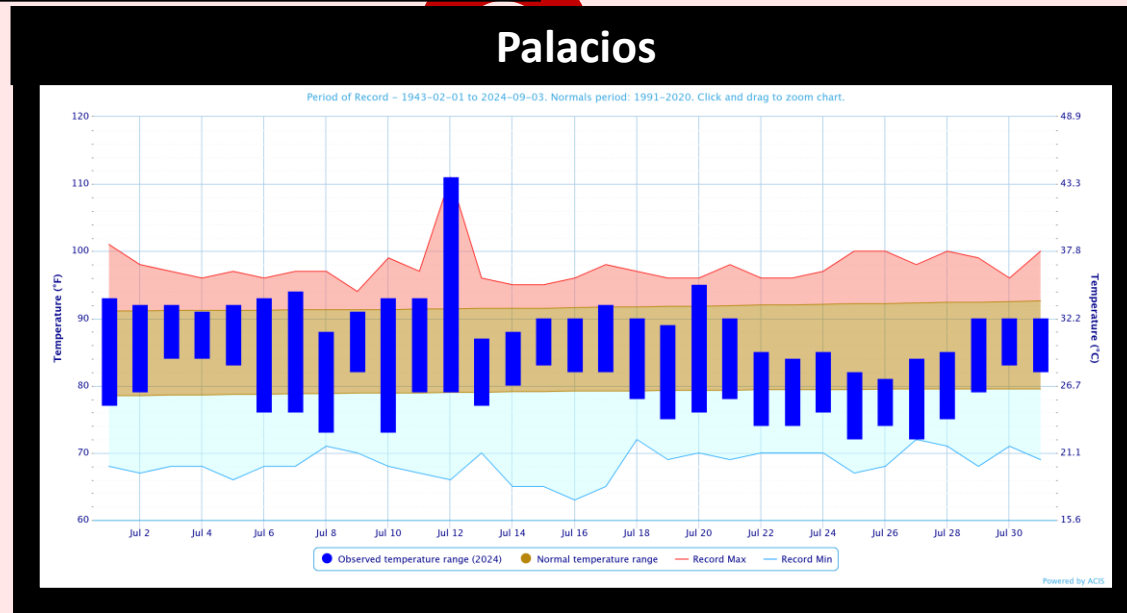
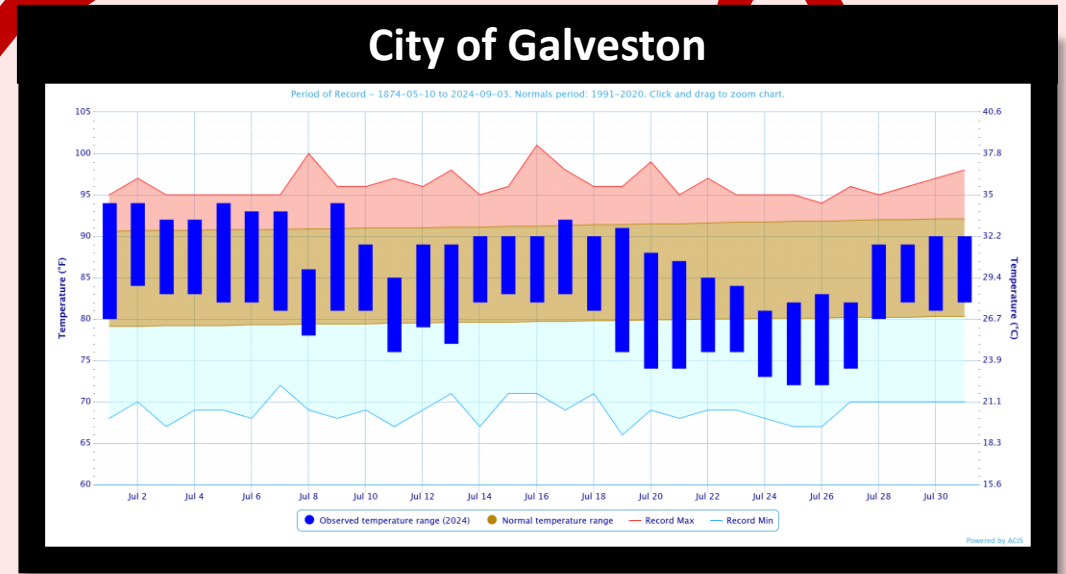
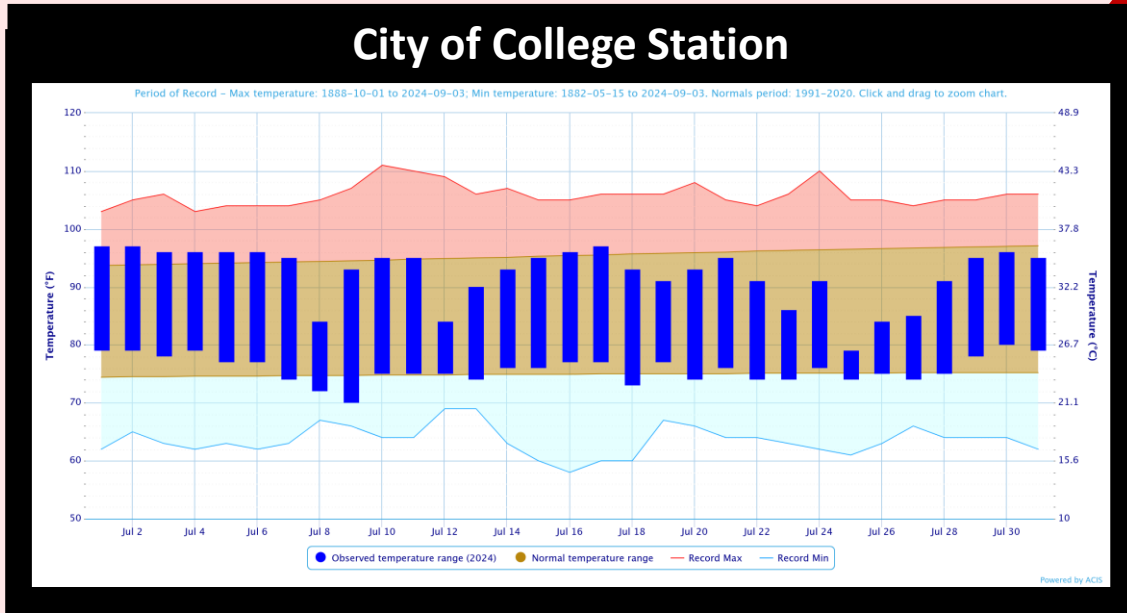


## Houston-Hobby





# Temperature Charts



# Daily Record Reports – City of College Station

Date	Record Type	New Record	Previous Record
8 <sup>th</sup>	Low Maximum	84°F – T	84°F in 1939
25 <sup>th</sup>	Low Maximum	79°F	81°F in 1959
4 <sup>th</sup>	High Minimum	79°F – T	79°F in 2022

There were 3 daily record set at College Station this month.



Key

High Max

Low Max

Precip

Snow

High Min

Low Min

# Daily Record Reports – City of Houston

Date	Record Type	New Record	Previous Record
3 <sup>rd</sup>	High Minimum	80°F – T	80°F in 2016
4 <sup>th</sup>	High Minimum	82°F – T	82°F in 2016
8 <sup>th</sup>	Daily Precip	4.72"	1.49" in 1938

There were 3 daily records set at Houston this month.



High Max

Low Max

Precip

Key

Snow

High Min

Low Min



# Daily Record Reports – Houston-Hobby

Date	Record Type	New Record	Previous Record
2 <sup>nd</sup>	High Minimum	81°F	80°F in 2020
3 <sup>rd</sup>	High Minimum	81°F	80°F in 2023
4 <sup>th</sup>	High Minimum	81°F – T	81°F in 2016
8 <sup>th</sup>	Daily Precip	6.65"	1.38" in 1976

There were 4 daily records set at Houston-Hobby this month.



High Max

Low Max

Precip

Snow

High Min

Low Min



Key



# Daily Record Reports – City of Galveston

Date	Record Type	New Record	Previous Record
2 <sup>nd</sup>	High Minimum	84°F – T	84°F in 2020
21 <sup>st</sup>	Daily Precip	2.66"	2.32" in 2020

There were 2 daily records set at Galveston this month.



Key

High Max

Low Max

Precip

Snow

High Min

Low Min

# Daily Record Reports – Palacios

Date	Record Type	New Record	Previous Record
3 <sup>rd</sup>	High Minimum	84°F – T	84°F in 2016
8 <sup>th</sup>	Daily Precip	6.47"	3.57" in 2021
21 <sup>st</sup>	Low Maximum	80°F	81°F in 1967
22 <sup>nd</sup>	Daily Precip	2.19"	1.33" in 1967
23 <sup>rd</sup>	Low Maximum	84°F	86°F in 1990
25 <sup>th</sup>	Daily Precip	2.48"	1.88" in 1979
27 <sup>th</sup>	Daily Precip	3.52"	1.47" in 1973
27 <sup>th</sup>	Low Maximum	84°F	86°F in 1989
27 <sup>th</sup>	Low Minimum	72°F – T	72°F in 2018
28 <sup>th</sup>	Low Maximum	85°F – T	85°F in 1964

There were 10 daily records set at Palacios this month.



Key

High Max

Low Max

Precip

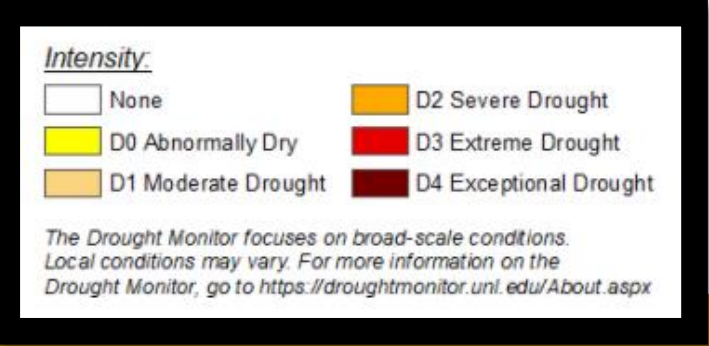
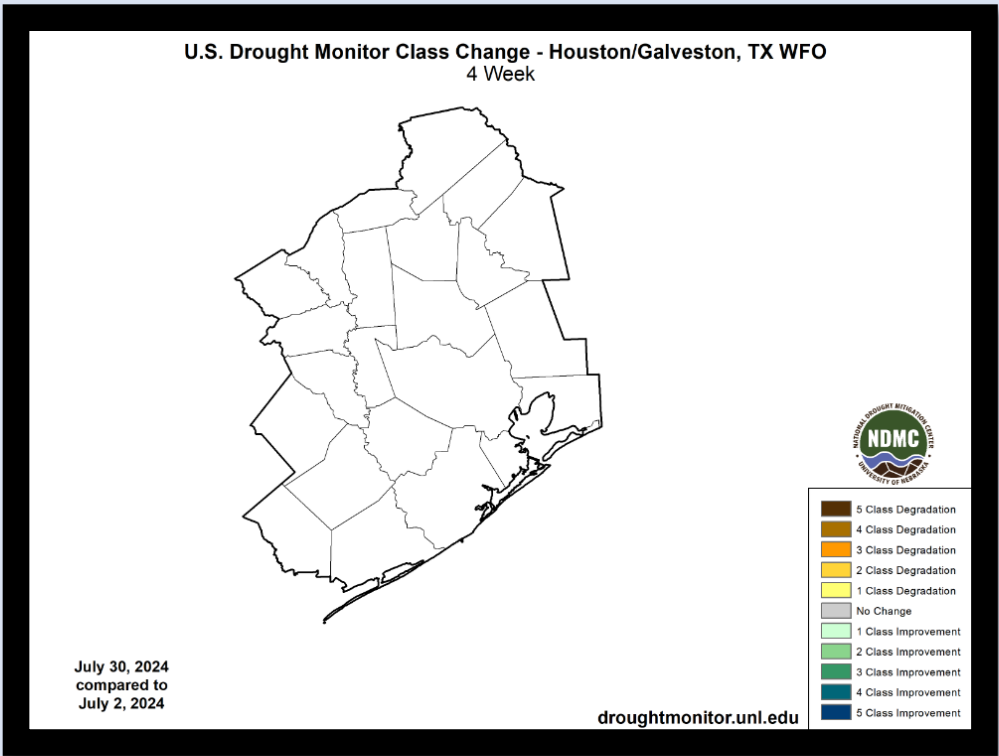
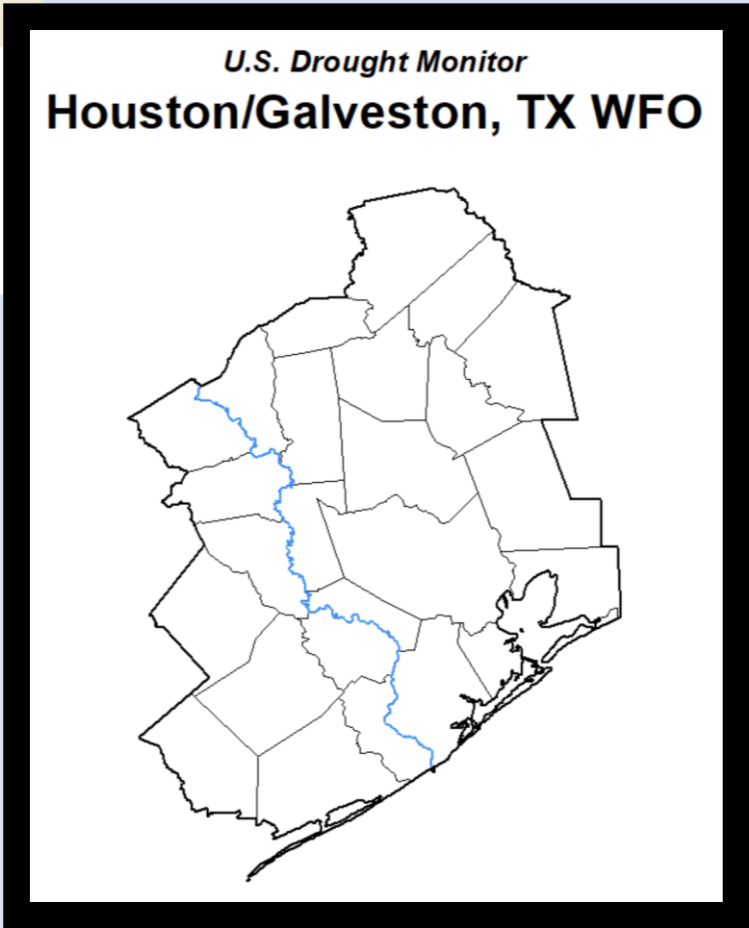
Snow

High Min

Low Min

# Drought Monitor

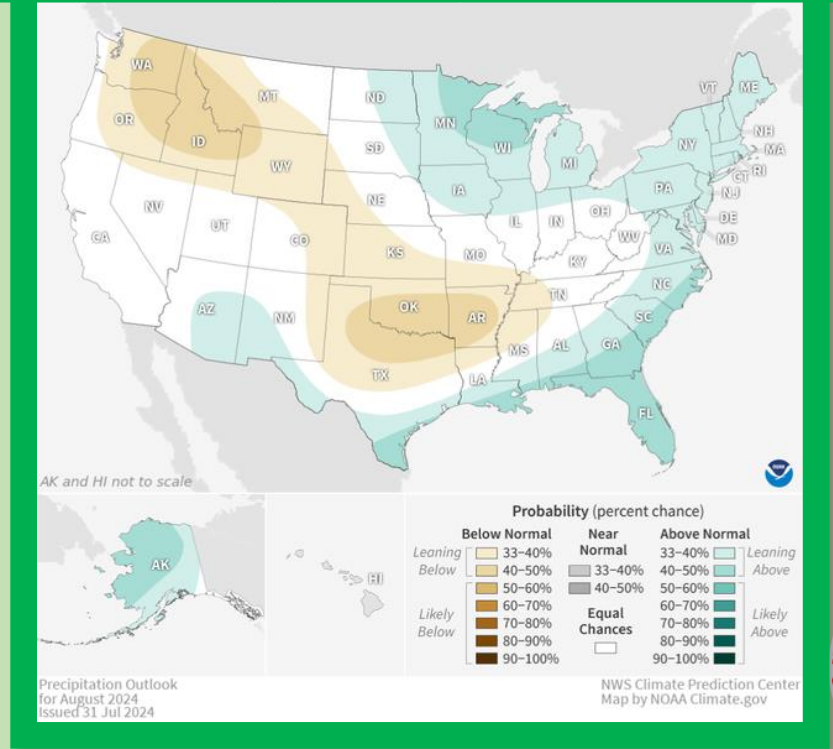
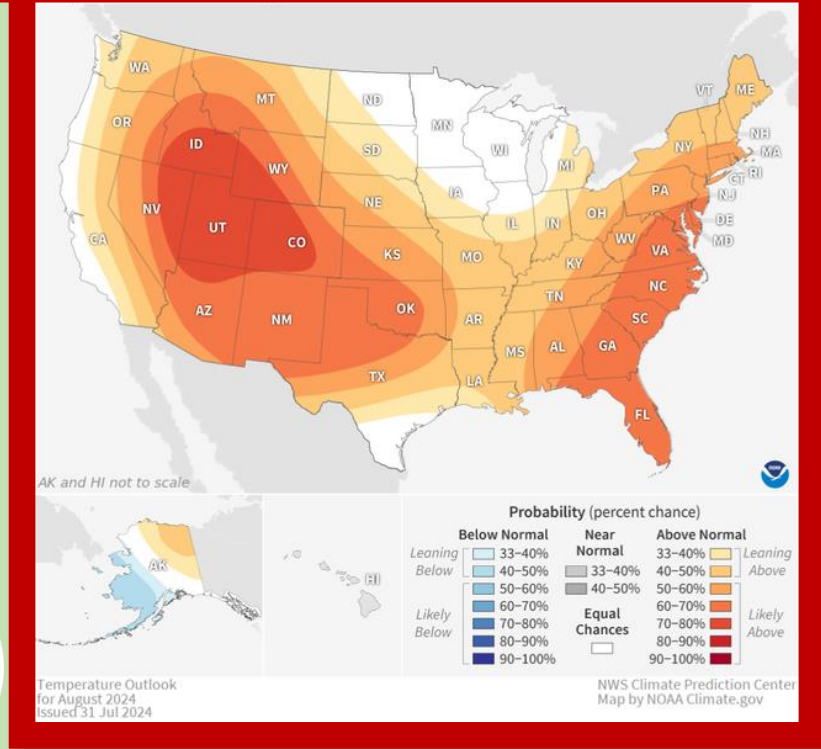
## As of July 30<sup>th</sup>



# August Outlook

Location	Average Temp(°F)	Normal High (°F)	Normal Low (°F)
Galveston	85.9	92.0	79.8
Houston Hobby	85.1	93.5	76.7
City of Houston	85.2	94.9	75.4
College Station	85.7	96.6	74.7
Palacios	85.6	92.8	78.5

Location	Normal Monthly Precipitation (in.)
Galveston	4.71
Houston Hobby	5.44
City of Houston	4.84
College Station	3.10
Palacios	3.91

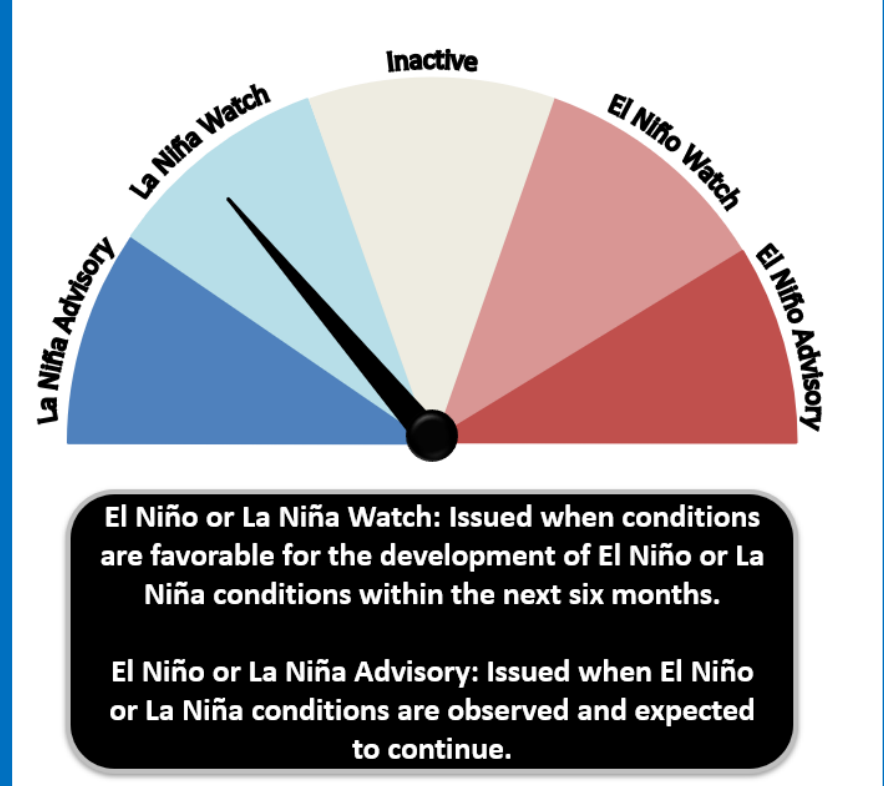
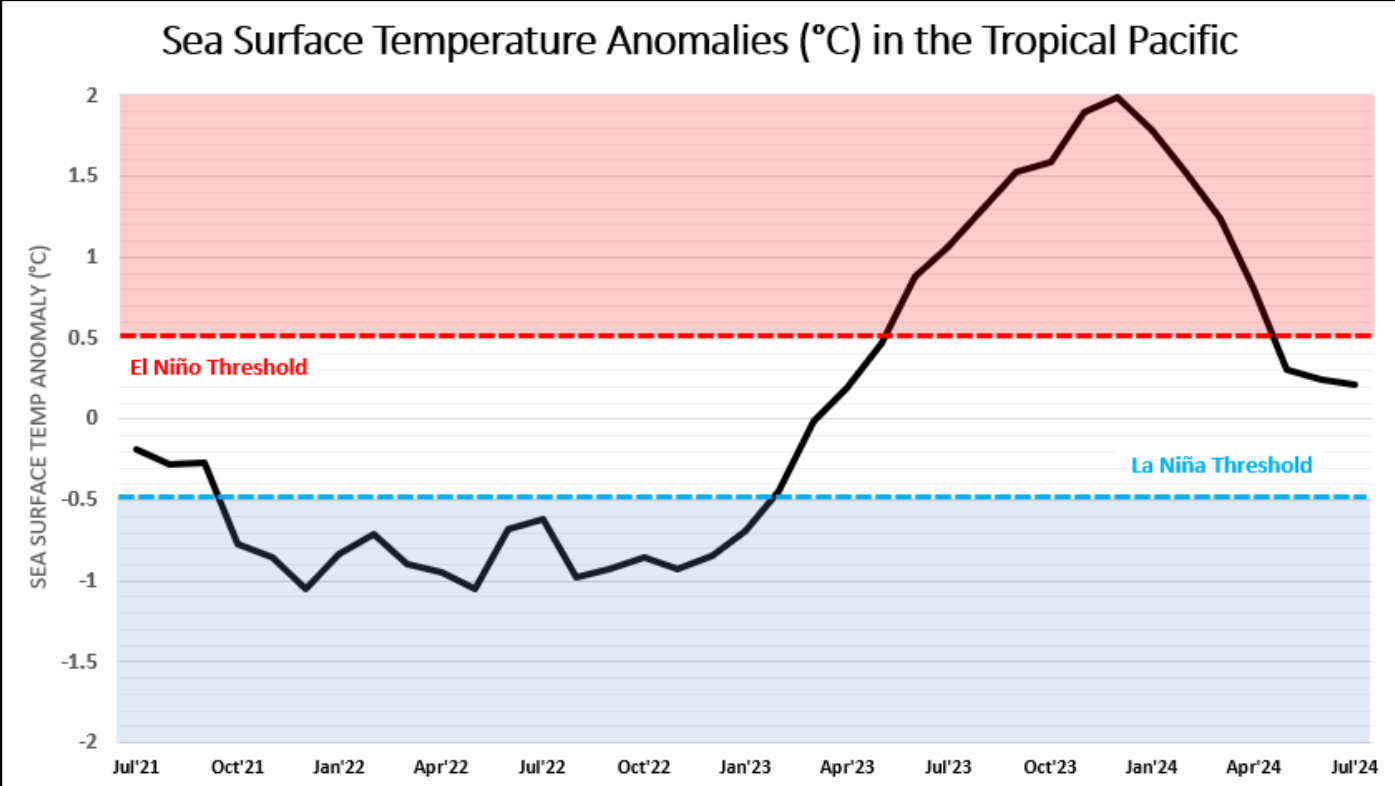




## Current ENSO Phase: Neutral

### The Climate Prediction Center's ENSO Forecast: La Niña Watch

- ENSO-Neutral conditions are present, but are expected to transition to **La Niña** by August-October (70%)
- **La Niña** conditions are expected to continue through the Winter (79%)



# 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.*

