

# NWS Houston, Texas February 2023 Regional Climate Summary

**Produced by Jimmy Fowler**

## ***...Warm and Dry February...End of La Nina...***

*After a few months of decent rainfall, Southeast Texas has once again started to dry out with most of the area experiencing one to two inches of rainfall below normal. The exception is across the extreme northern portion of the area where near normal rainfall fell. The dry weather meant that temperatures were around two to four degrees above normal and the return of drought conditions. Moderate Drought (D1) is being reported in parts of Jackson, Matagorda, Brazoria, Austin, and Washington counties. A total of 21 daily temperature records were set this month across SE Texas with all of them being either High Maximum or High Minimum records.*

*After three years of La Nina conditions in the Pacific Ocean, La Nina is finally coming to an end. ENSO-Neutral conditions are expected to persist through the Spring, and then El Nino conditions developing over the summer.*

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# By the Numbers: February 2023



Location (records started)	Average Temp	Ranking	Total Rainfall	Ranking
City of Houston, TX (1888)	60.5°F	19 <sup>th</sup> Warmest	1.49"	30 <sup>th</sup> Driest
Houston Hobby, TX (1930)	<b>62.8°F</b>	6 <sup>th</sup> Warmest	0.71"	7 <sup>th</sup> Driest
City of Galveston, TX (1871)	61.9°F	16 <sup>th</sup> Warmest	1.08"	31 <sup>st</sup> Driest
City of College Station, TX (1882)	58.6°F	17 <sup>th</sup> Warmest	<b>2.93"</b>	54 <sup>th</sup> Wettest
Palacios, TX (1943)	60.8°F	16 <sup>th</sup> Warmest	<b>0.30"</b>	5 <sup>th</sup> Driest
Huntsville, TX (1997)	59.9°F	4 <sup>th</sup> Warmest	2.29"	14 <sup>th</sup> Driest
Sugar Land, TX (2000)	61.5°F	4 <sup>th</sup> Warmest	0.98"	6 <sup>th</sup> Driest
Conroe, TX (1997)	<b>57.9°F</b>	7 <sup>th</sup> Warmest	1.23"	7 <sup>th</sup> Driest
Clover Field (Pearland), TX (1997)	62.6°F	4 <sup>th</sup> Warmest	0.45"	2 <sup>nd</sup> Driest
David Wayne Hooks (Tomball), TX (1998)	60.4°F	6 <sup>th</sup> Warmest	1.51"	10 <sup>th</sup> Driest
Angleton, TX (1998)	62.5°F	4 <sup>th</sup> Warmest	0.49"	3 <sup>rd</sup> Driest
League City, TX (1990)	61.5°F	6 <sup>th</sup> Warmest	0.82"	3 <sup>rd</sup> Driest



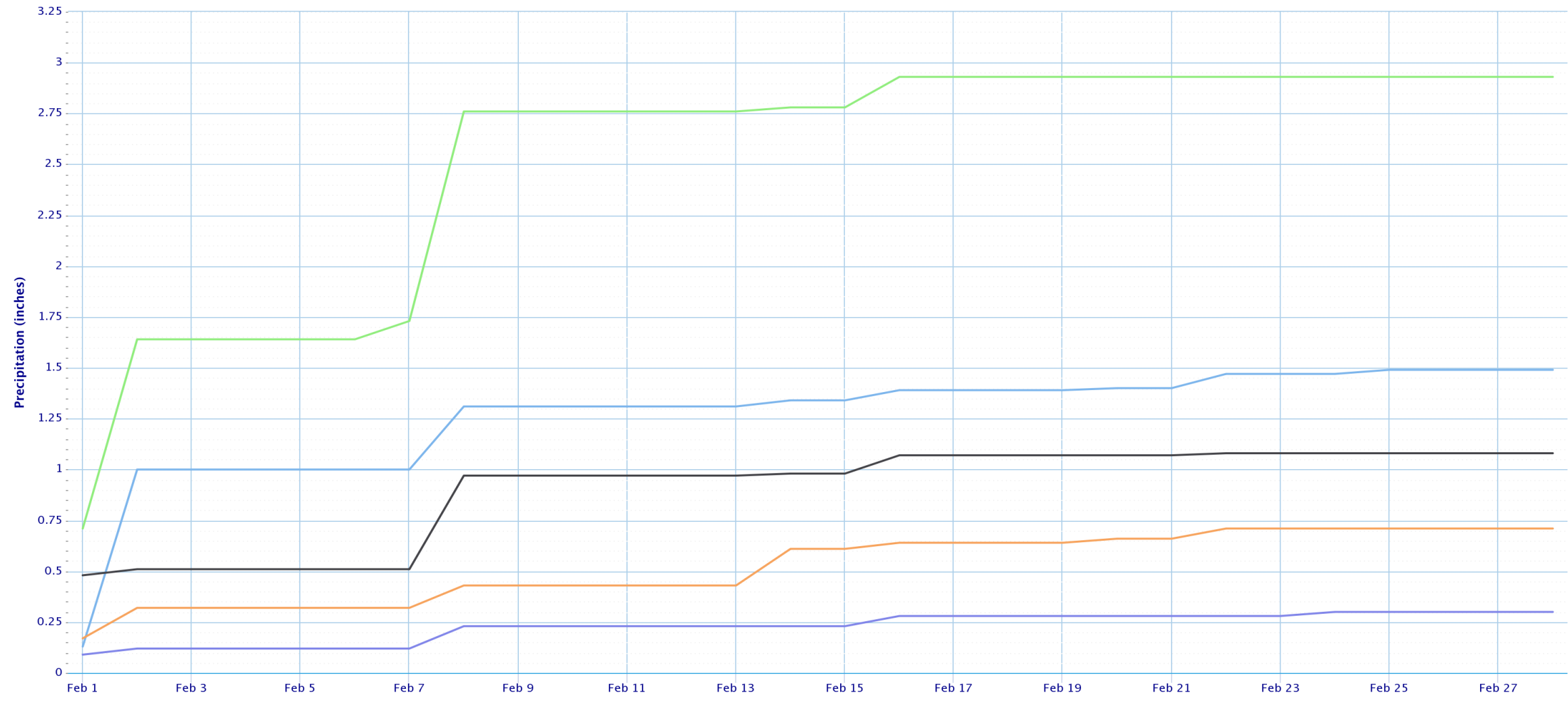
# Precipitation

Location	Total Precipitation (in.)	Departure from Normal (in.)	Number of Thunder Days	Maximum Daily Precipitation (in./date)	
Galveston (GLS)	1.08	-1.06	1	0.48	1 <sup>st</sup>
Houston Hobby (HOU)	0.71	-2.14	0	0.18	14 <sup>th</sup>
City of Houston (IAH)	1.49	-1.48	1	0.87	2 <sup>nd</sup>
College Station (CLL)	2.93	+0.03	3	1.03	8 <sup>th</sup>
Palacios (PSX)	0.30	-1.59	0	0.09	1 <sup>st</sup>

# Precipitation Accumulation Graph

### Accumulated Precipitation

Green/black diamonds represent subsequent/missing values



City of Houston

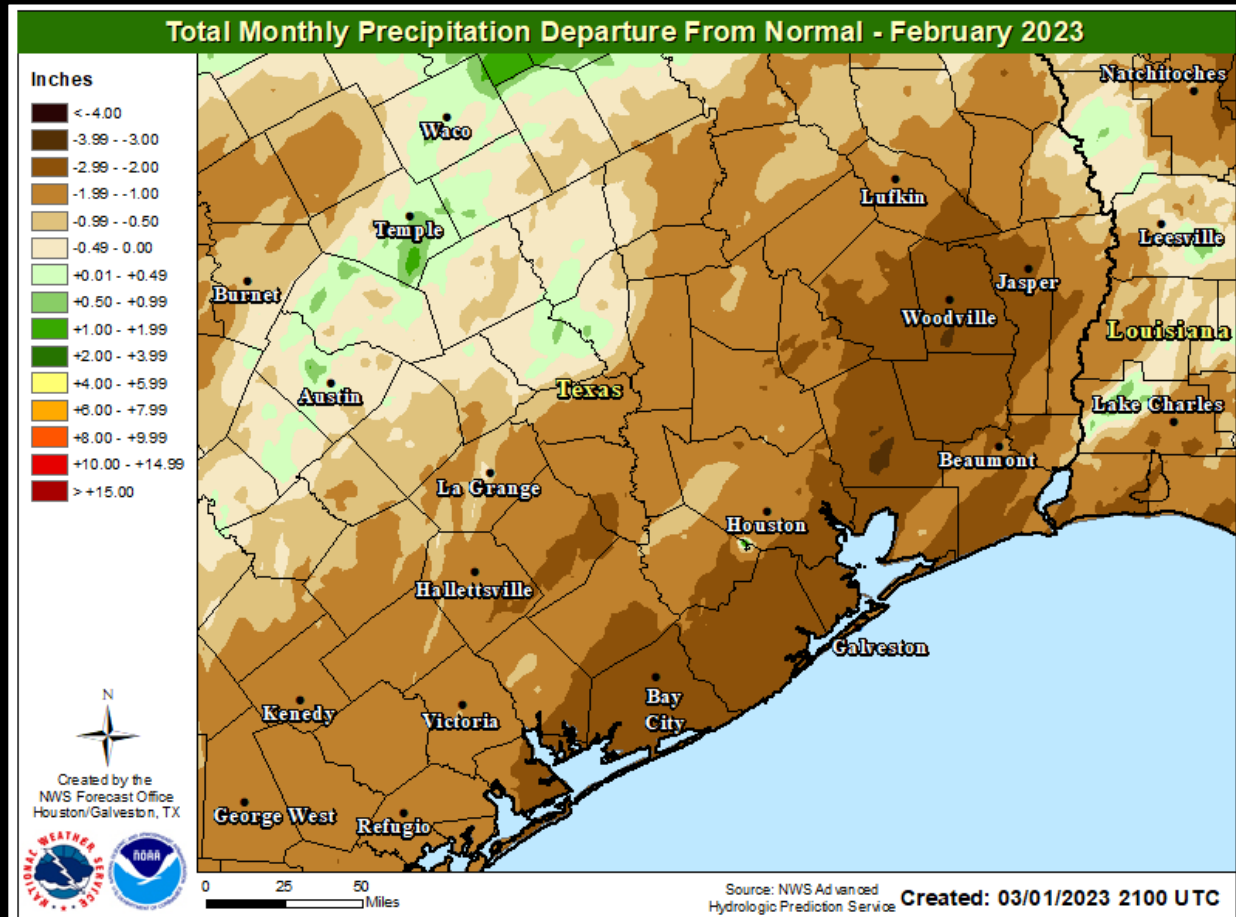
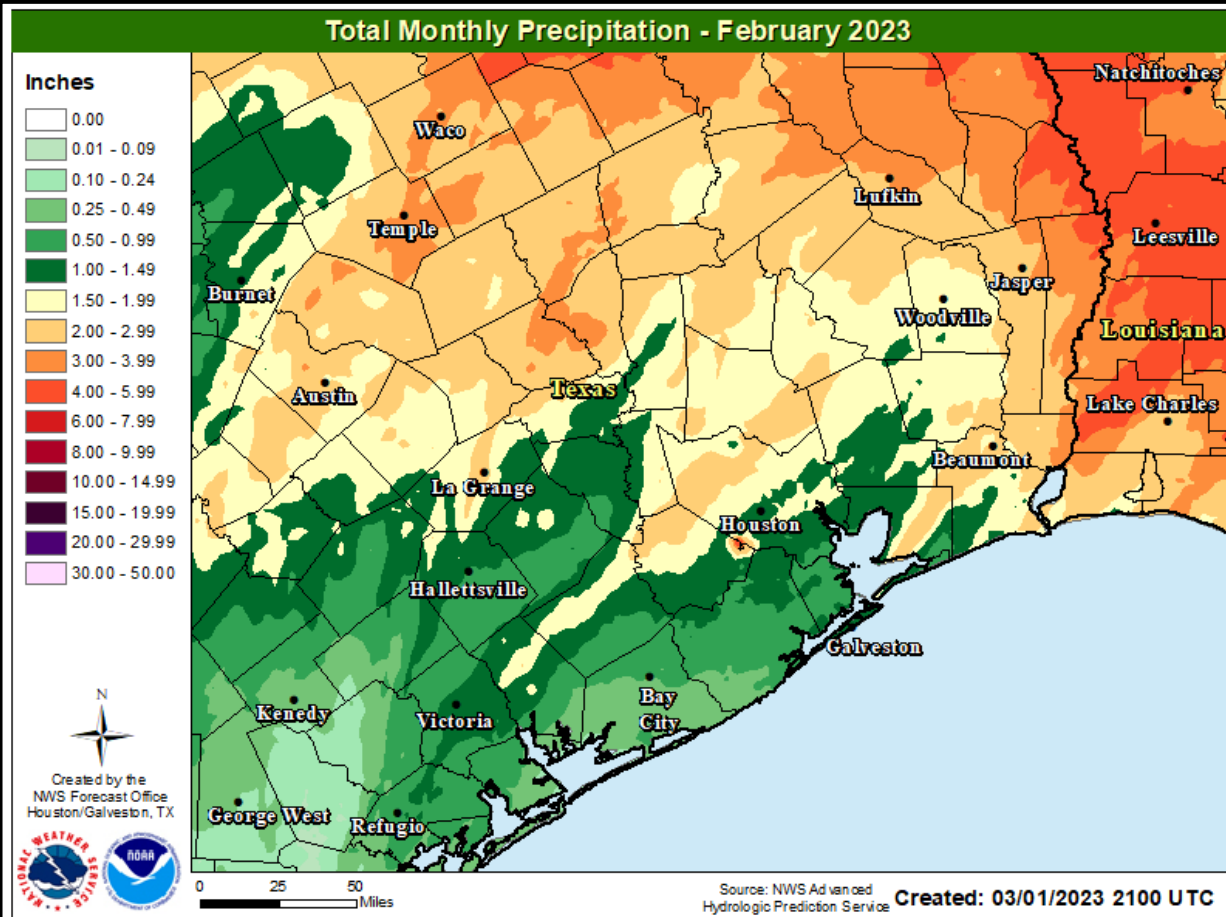
City of Galveston

City of College Station

Houston-Hobby

Palacios

# Precipitation Maps



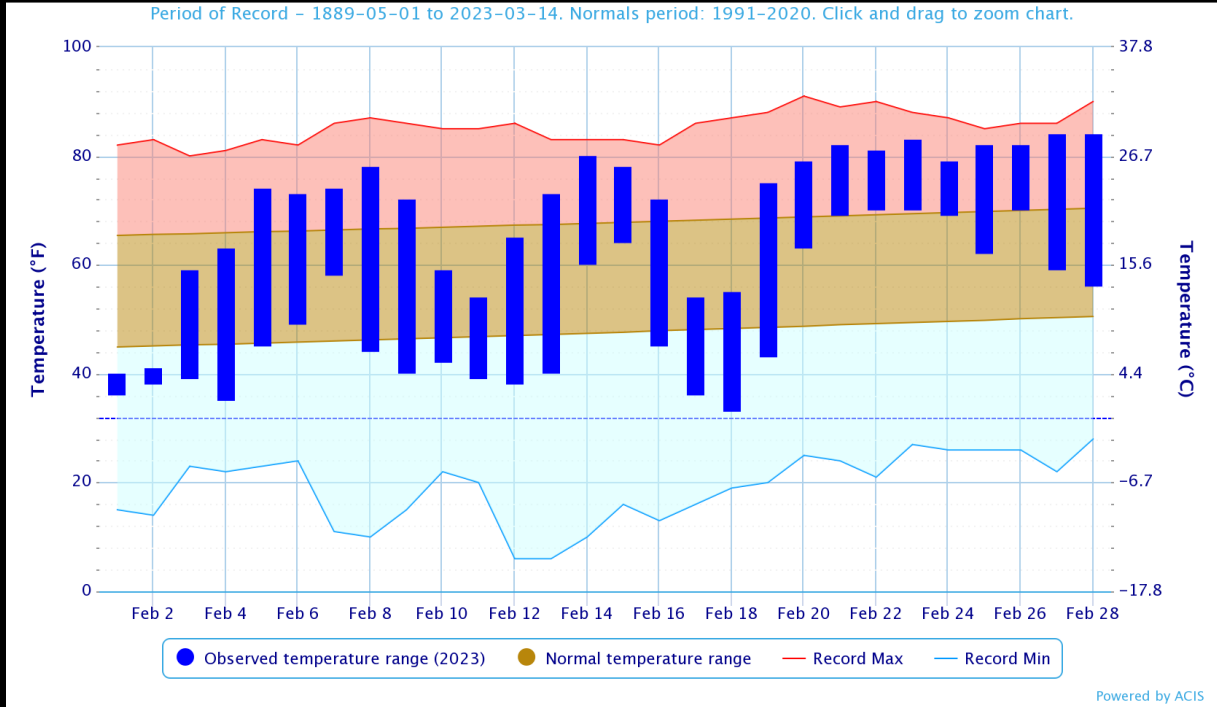
# Temperature

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)	68.1	55.7	61.9	<b>+2.6</b>	81 on the 27 <sup>th</sup>	42 on the 12 <sup>th</sup> & 17 <sup>th</sup>
Houston Hobby (HOU)	71.9	53.8	62.8	<b>+4.3</b>	84 on the 25 <sup>th</sup> , 27 <sup>th</sup> & 28 <sup>th</sup>	38 on the 17 <sup>th</sup>
City of Houston (IAH)	70.5	50.4	60.5	<b>+2.8</b>	84 on the 27 <sup>th</sup> & 28 <sup>th</sup>	33 on the 18 <sup>th</sup>
College Station (CLL)	70.1	47.1	58.6	<b>+3.3</b>	87 on the 22 <sup>nd</sup>	32 on the 1 <sup>st</sup> & 4 <sup>th</sup>
Palacios (PSX)	69.4	52.2	60.8	<b>+1.5</b>	82 on the 23 <sup>rd</sup>	34 on the 11 <sup>th</sup>

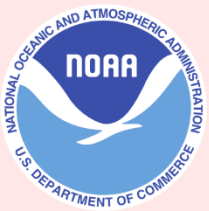
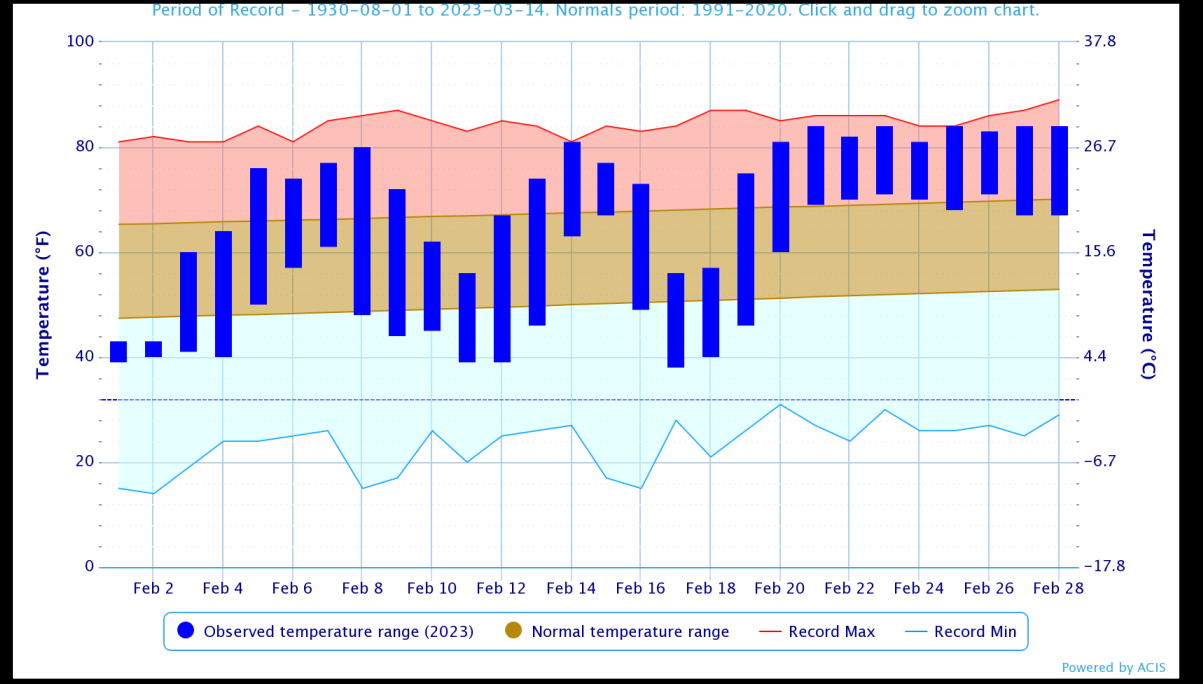


# Temperature Charts

## City of Houston



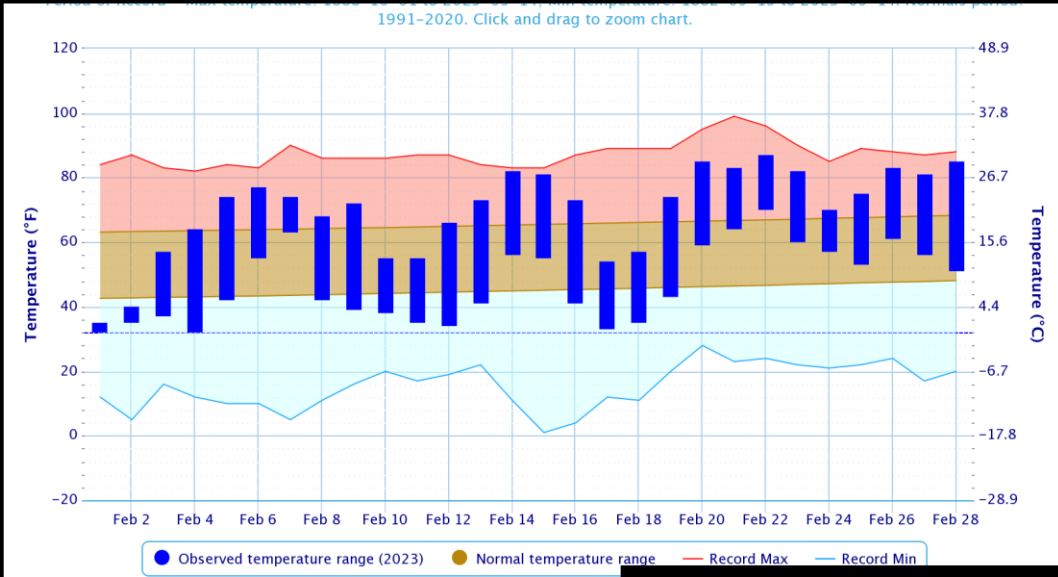
## Houston-Hobby



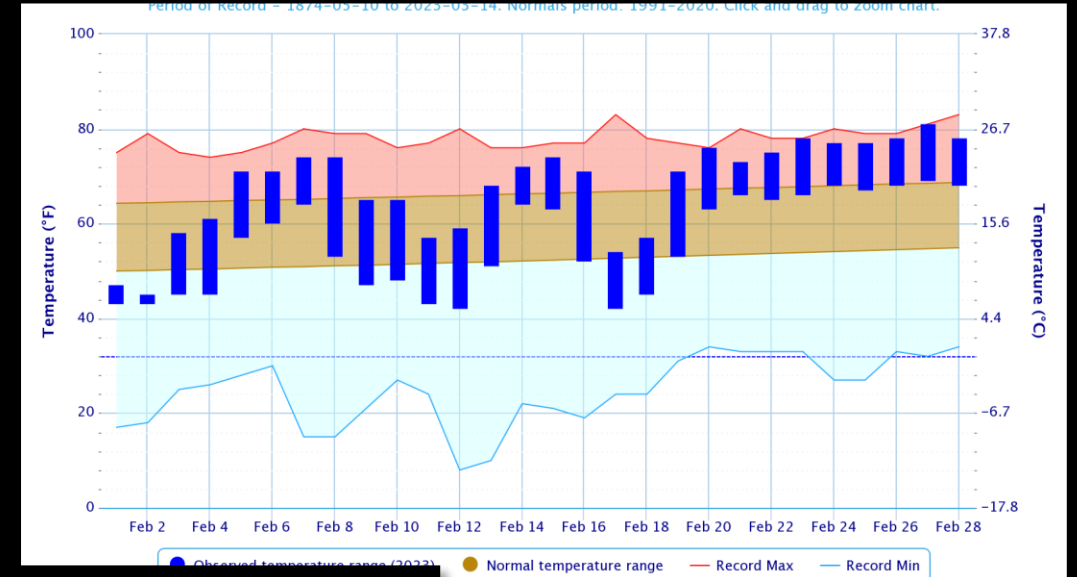


# Temperature Charts

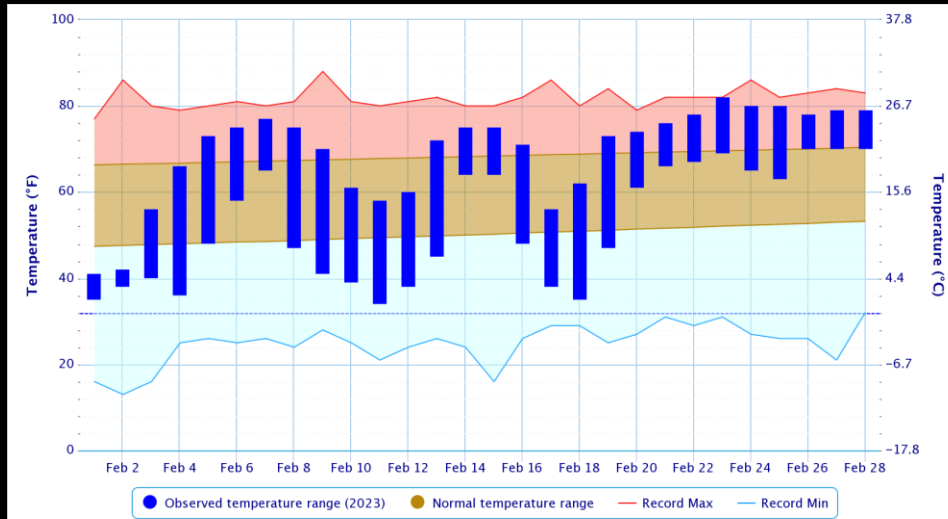
### City of College Station



### City of Galveston



### Palacios



# Daily Record Reports – City of College Station

Date	Record Type	New Record	Previous Record
22 <sup>nd</sup>	High Minimum	70°F	68°F in 1985

There was 1 daily records 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
21 <sup>st</sup>	High Minimum	69°F	68°F in 2005
22 <sup>nd</sup>	High Minimum	70°F - T	70°F in 1962
23 <sup>rd</sup>	High Minimum	70°F	69°F in 2012
26 <sup>th</sup>	High Minimum	70°F - T	70°F in 1996

There were 4  
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
14 <sup>th</sup>	High Maximum	81°F	81°F in 1956
21 <sup>st</sup>	High Minimum	69°F	66°F in 2017
22 <sup>nd</sup>	High Minimum	70°F	69°F in 2022
23 <sup>rd</sup>	High Minimum	71°F	69°F in 2012
25 <sup>th</sup>	High Minimum	68°F	67°F in 2000
25 <sup>th</sup>	High Maximum	84°F	83°F in 1972
26 <sup>th</sup>	High Minimum	71°F	69°F in 2021

There were 5 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
20 <sup>th</sup>	High Maximum	76°F - T	76°F in 2018
23 <sup>rd</sup>	High Maximum	78°F	77°F in 2012
26 <sup>th</sup>	High Minimum	68°F - T	68°F in 1890
27 <sup>th</sup>	High Minimum	69°F - T	69°F in 2017
27 <sup>th</sup>	High Maximum	81°F	80°F in 1956

There were 5 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
22 <sup>nd</sup>	High Minimum	67°F - T	67°F in 1962
23 <sup>rd</sup>	High Minimum	69°F	67°F in 2005
23 <sup>rd</sup>	High Maximum	82°F	81°F in 1946
26 <sup>th</sup>	High Minimum	70°F	69°F in 1944
27 <sup>th</sup>	High Minimum	70°F	69°F in 2011
28 <sup>th</sup>	High Minimum	70°F - T	70°F in 2018

There were 6 daily records set at Palacios this month.



High Max

Low Max

Precip

Snow

High Min

Low Min

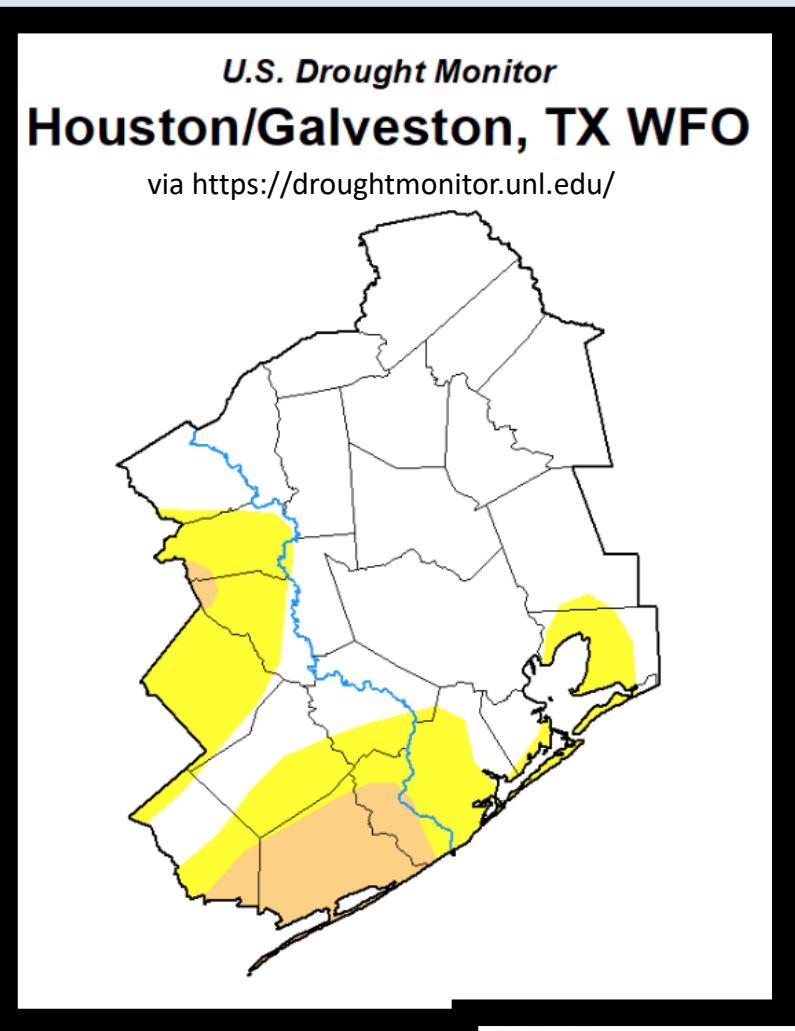


Key

# Drought Monitor

## As of February 28<sup>th</sup>

*A lack of recent rainfall has resulted in the return of drought conditions to parts of the area. Moderate Drought (D1) is being reported in parts of Jackson, Matagorda, Brazoria, Austin, and Washington counties.*



**Intensity:**

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

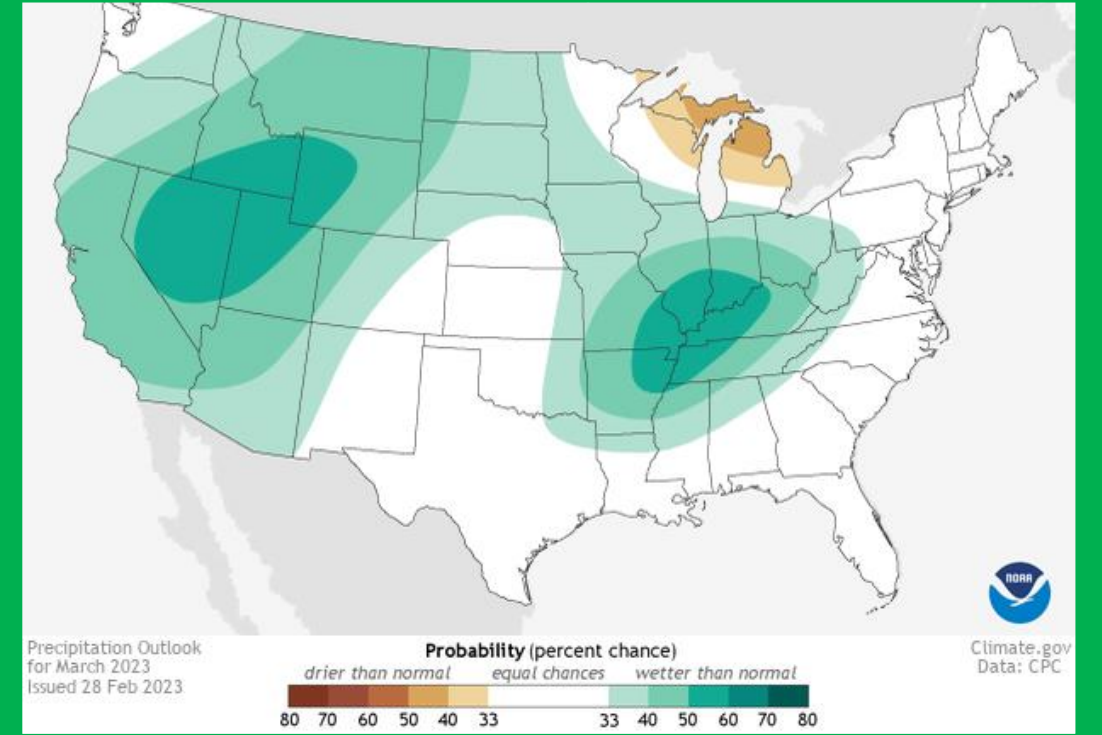
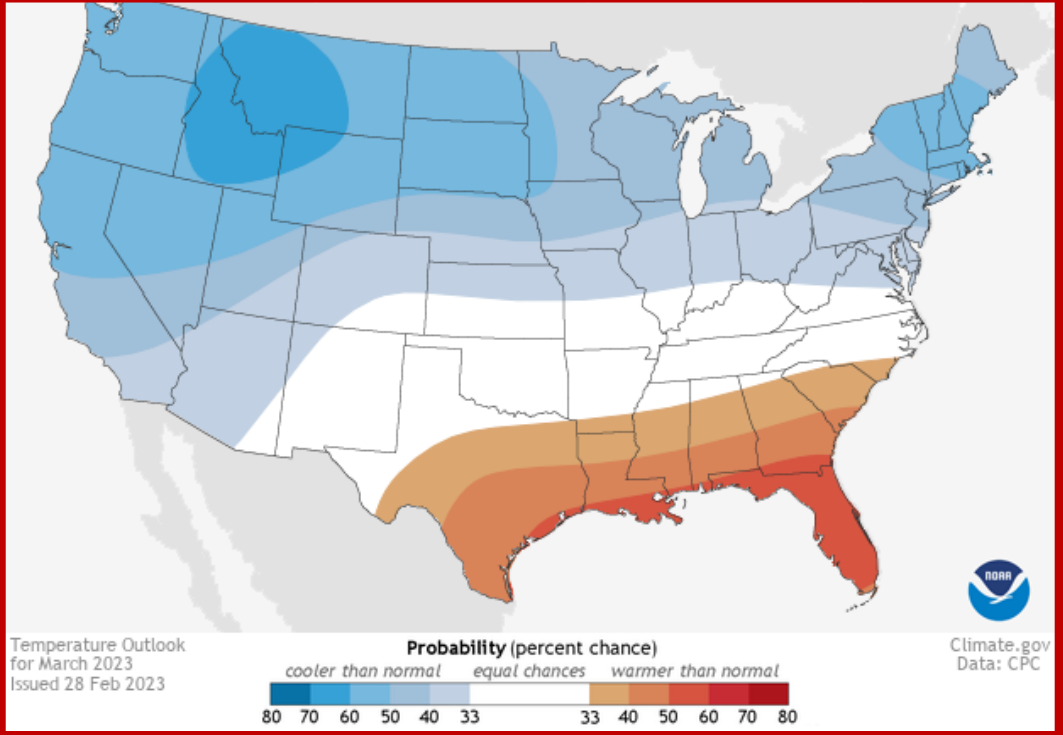
*The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>*



# March Outlook

Location	Average Temp(°F)	Normal High (°F)	Normal Low (°F)
Galveston	65.2	72.0	58.4
Houston Hobby	64.7	73.4	55.9
City of Houston	63.8	74.0	53.6
College Station	62.1	72.5	51.7
Palacios	65.0	73.4	56.7

Location	Normal Monthly Precipitation (in.)
Galveston	3.02
Houston Hobby	3.28
City of Houston	3.47
College Station	3.41
Palacios	2.17



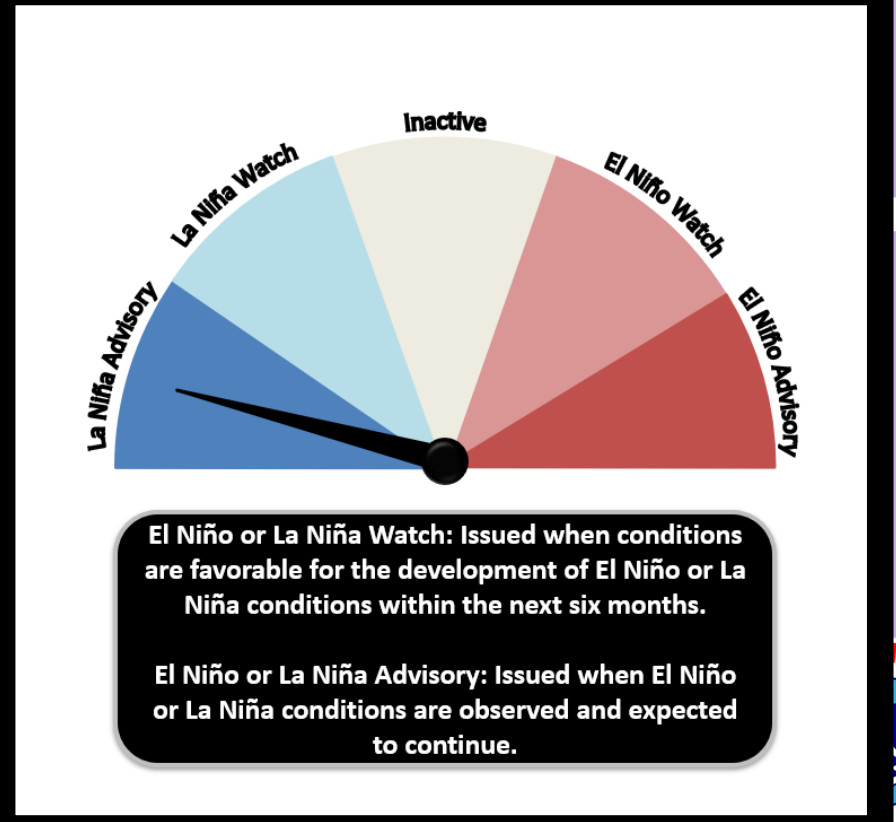
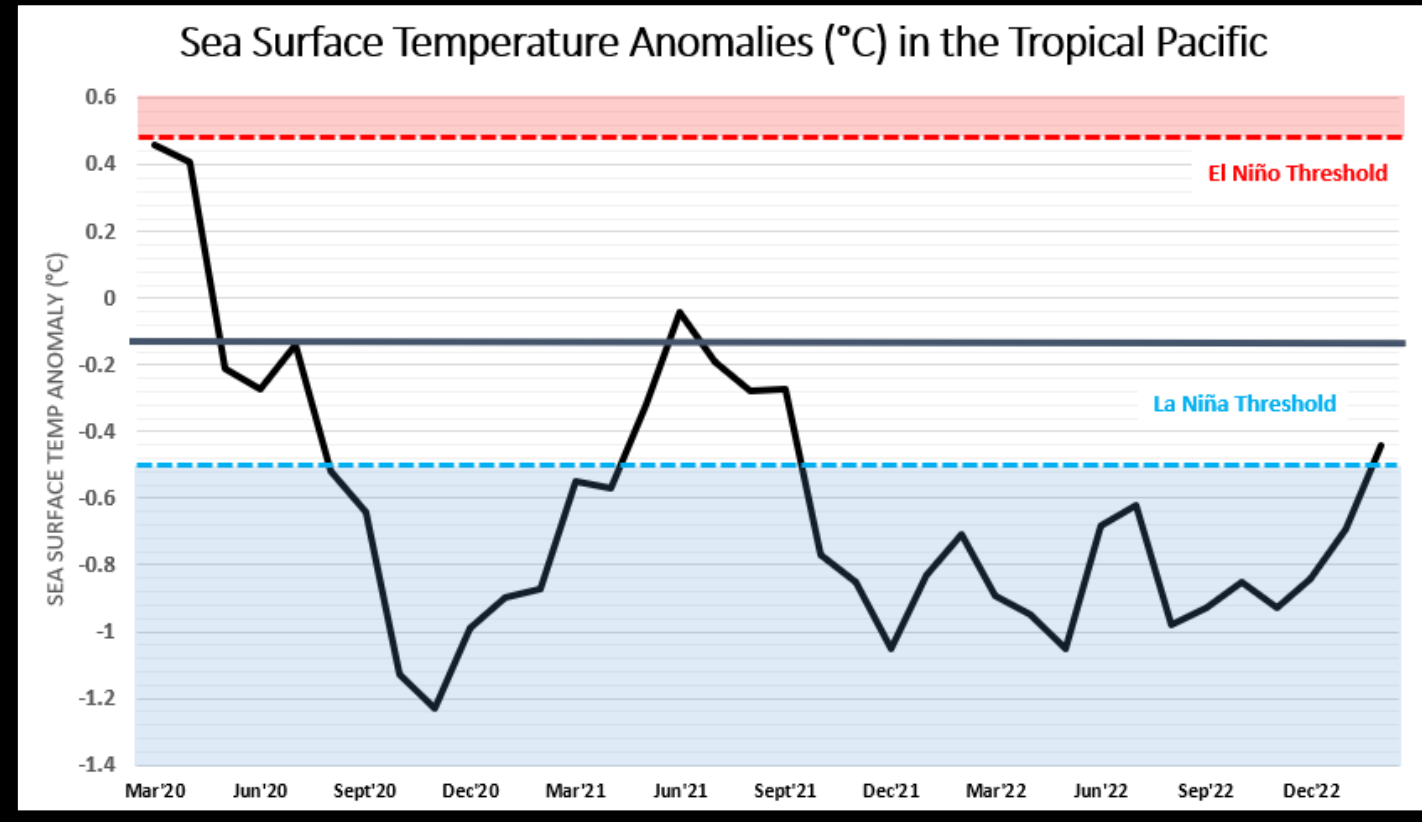


## Current ENSO Phase: Neutral

### The Climate Prediction Center's ENSO Forecast:

### FINAL La Niña Advisory

- La Niña conditions have come to an end.
- ENSO-neutral is anticipated through the Spring with El Niño conditions developing in the summer.



# 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.*

