

NWS Houston, Texas May 2024 Regional Climate Summary

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...Extreme Rainfall Continues...Mid-Month Derecho...2024 Hurricane Season Outlook...

The wet weather that started in April continued through May producing upwards of 12-24" in parts of the area. Huntsville reported a record shattering 23.32" of rain this month with a yearly total of 55.52" – already higher than the total yearly normal of 43.65". We experienced a few different days of strong to severe thunderstorms, but the most impactful was the derecho that went through the area on May 16th. This brought a swath of 100+ mph winds down through the Houston Metro bringing widespread damage, and also spawned a couple of tornadoes. The CPC and NHC released the official 2024 Atlantic Hurricane Season Outlook and it shows an 85% chance of an above normal season – but remember, it only takes one!

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By the Numbers: May 2024

Location (records started)	Average Temp	Ranking	Total Rainfall	Ranking
City of Houston, TX (1888)	79.3°F	6 th Warmest	11.05"	12 th Wettest
Houston Hobby, TX (1930)	80.7°F	4 th Warmest	9.32"	10 th Wettest
City of Galveston, TX (1871)	80.0°F	3 rd Warmest	4.39"	43 rd Wettest
City of College Station, TX (1882)	79.3°F	5 th Warmest	9.10"	14 th Wettest
Palacios, TX (1943)	80.6°F	2 nd Warmest	4.73"	31 st Wettest
Huntsville, TX (1997)	78.4°F	4 th Warmest	23.32"	Wettest on Record
Sugar Land, TX (2000)	80.7°F	3 rd Warmest	8.59"	6 th Wettest
Conroe, TX (1997)	77.7°F	2 nd Warmest	14.77"	Wettest on Record
Clover Field (Pearland), TX (1997)	79.9°F	2 nd Warmest	6.73"	8 th Wettest
David Wayne Hooks (Tomball), TX (1998)	79.5°F	2 nd Warmest	15.05"	Wettest on Record
Angleton, TX (1998)	79.0°F	4 th Warmest	4.38"	11 th Wettest
League City, TX (1990)	78.6°F	5 th Warmest	7.80"	11 th Wettest



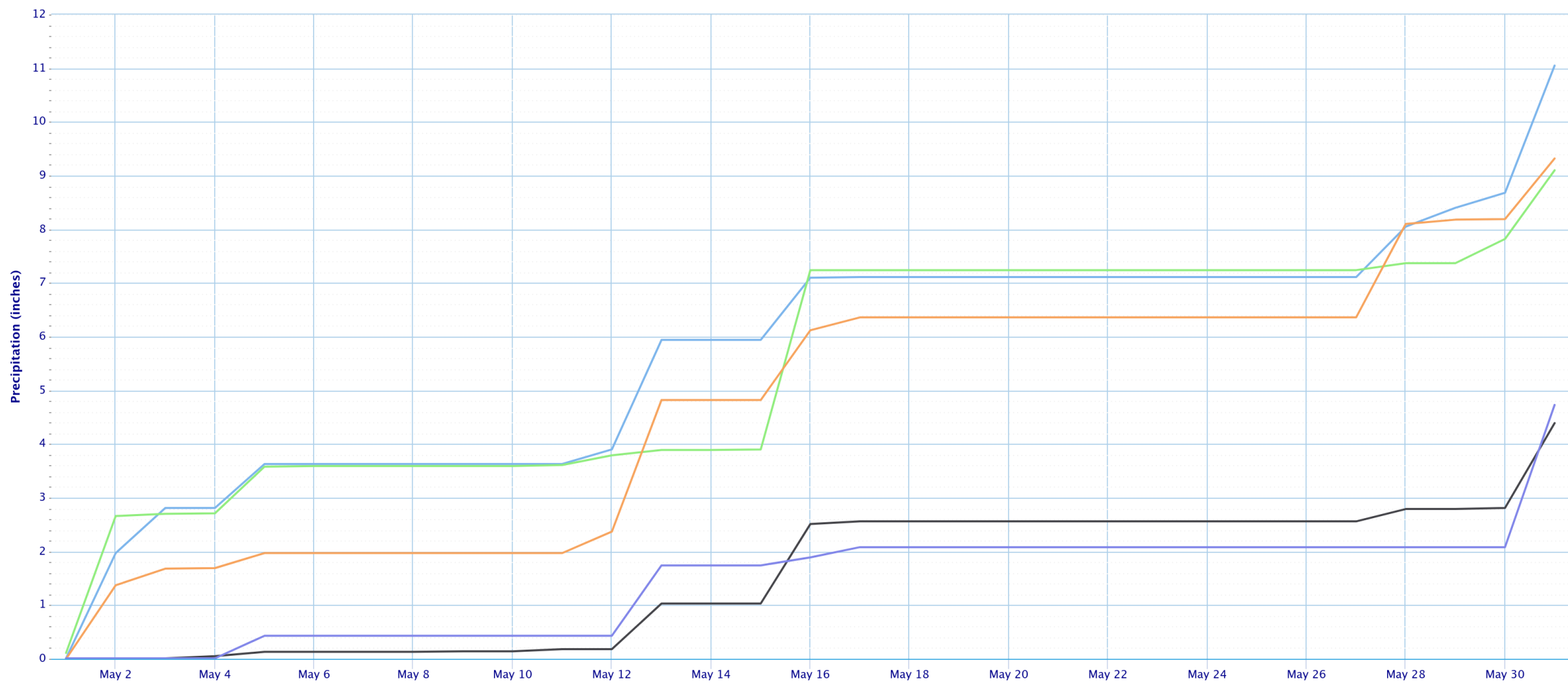
Precipitation

Location	Total Precipitation (in.)	Departure from Normal (in.)	Number of Thunder Days	Maximum Daily Precipitation (in./date)	
Galveston (GLS)	4.39	+1.35	10	1.58	31 st
Houston Hobby (HOU)	9.32	+3.90	13	2.45	13 th
City of Houston (IAH)	11.05	+6.04	12	2.37	31 st
College Station (CLL)	9.10	+4.50	16	3.34	16 th
Palacios (PSX)	4.73	+0.87	6	2.65	31 st

Precipitation Accumulation Graph

Accumulated Precipitation

Green/black diamonds represent subsequent/missing values



City of Houston

City of Galveston

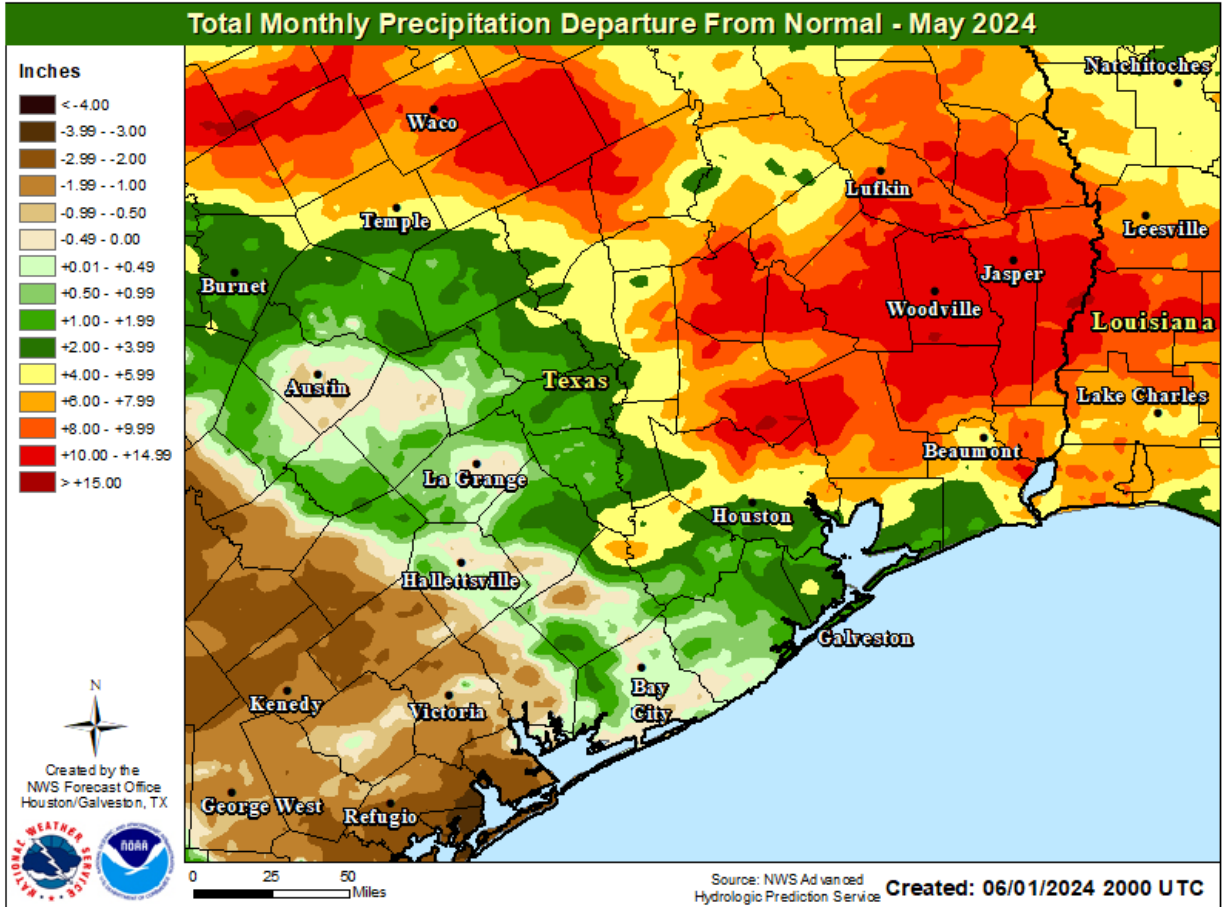
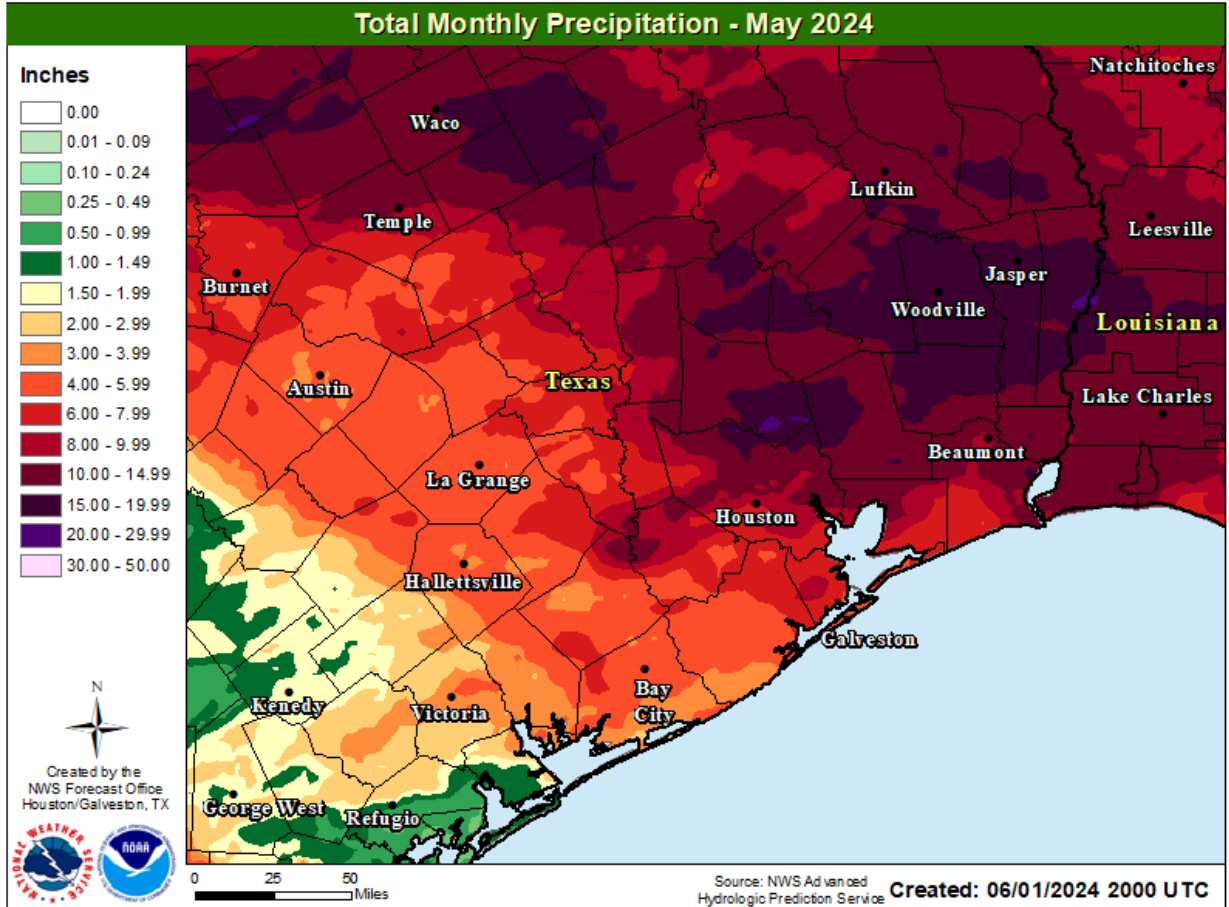
City of College Station

Houston-Hobby

Palacios



Precipitation Maps

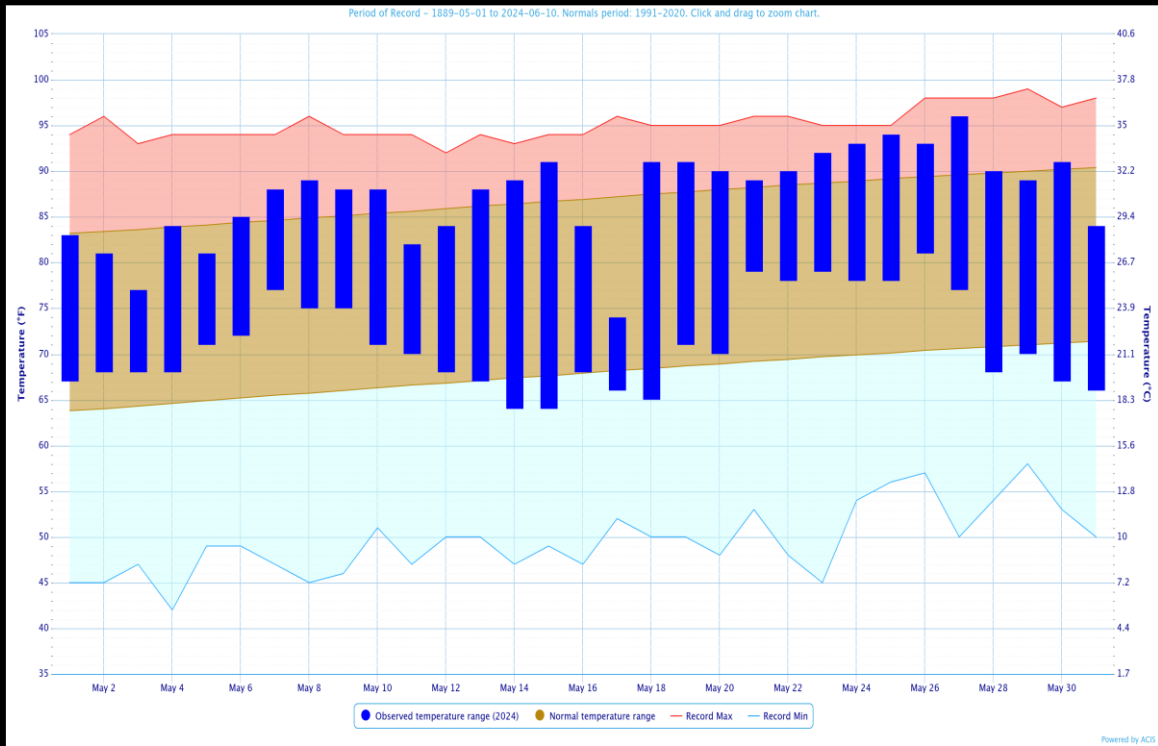


Temperature

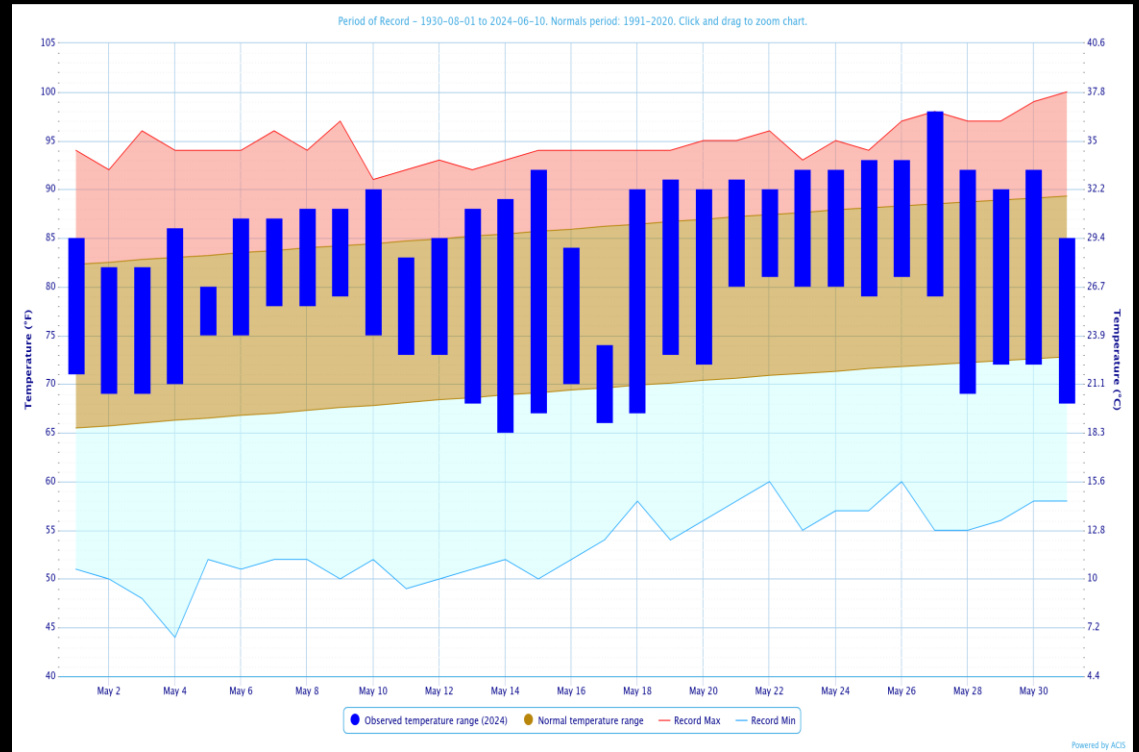
Location	Average High Temp (F)	Average Low Temp (F)	Average Temp (F)	Departure From Normal Average (F)	Maximum Temperature (F)	Minimum Temperature (F)
Galveston (GLS)	84.7	75.3	80.0	+1.8	90 on the 14 th	69 on the 13 th , 14 th & 31 st
Houston Hobby (HOU)	88.0	73.4	80.7	+3.1	98 on the 27 th	65 on the 14 th
City of Houston (IAH)	87.4	71.2	79.3	+1.9	96 on the 27 th	64 on the 14 th & 15 th
College Station (CLL)	88.0	70.6	79.3	+2.9	96 on the 25 th	63 on the 15 th & 17 th
Palacios (PSX)	86.8	74.5	80.6	+2.5	92 on the 27 th & 28 th	65 on the 14 th 18 th & 31 st

Temperature Charts

City of Houston

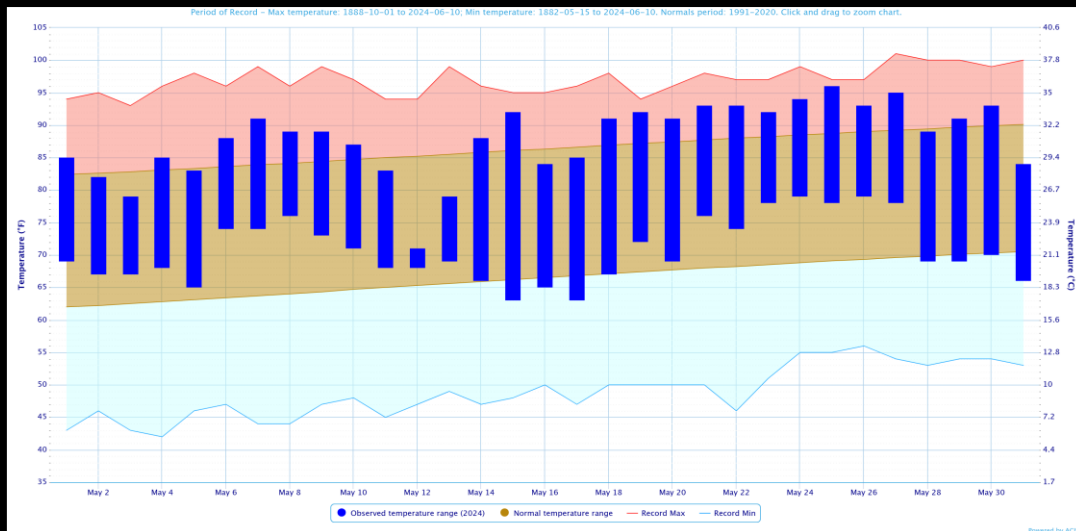


Houston-Hobby

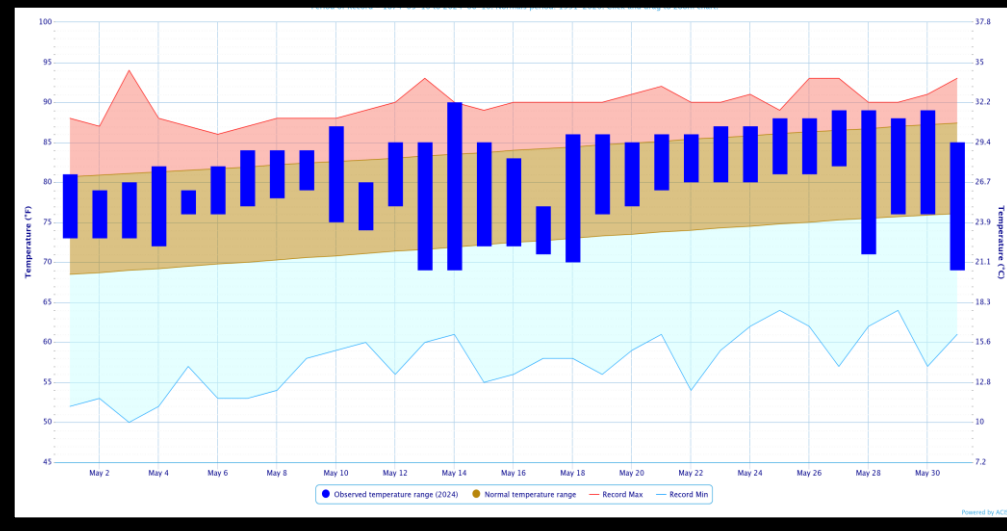


Temperature Charts

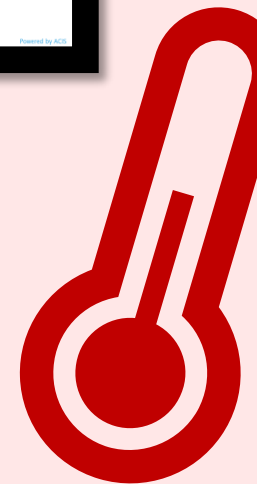
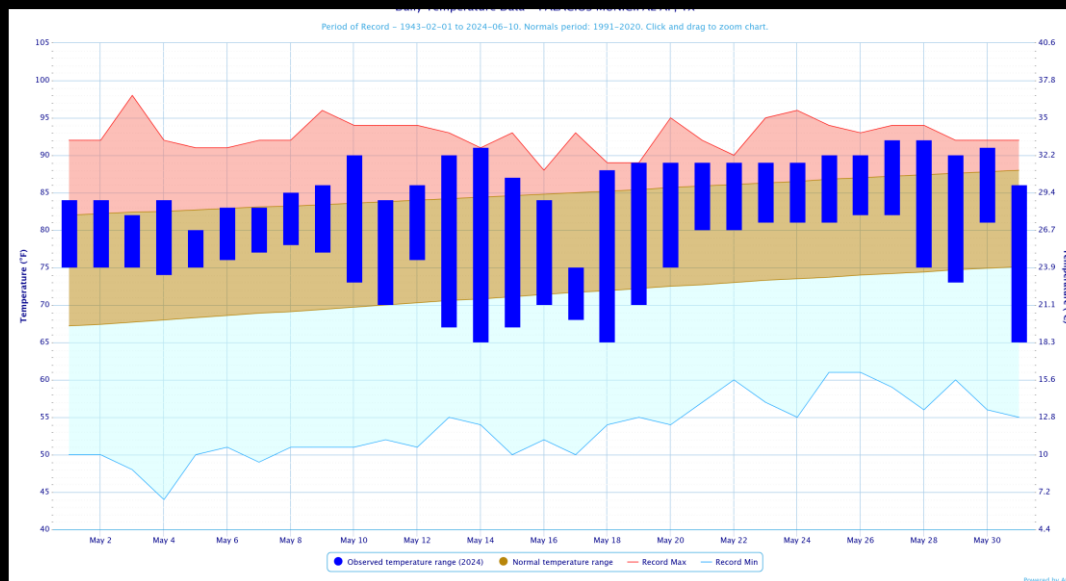
City of College Station



City of Galveston



Palacios



Daily Record Reports – City of College Station

Date	Record Type	New Record	Previous Record
16 th	Precip	3.34"	2.79" in 1947
24 th	High Minimum	79°F	78°F in 2008
25 th	High Minimum	78°F	77°F in 2016
26 th	High Minimum	79°F	79°F in 1996
27 th	High Minimum	78°F	77°F in 2017

There were 5 daily records set at College Station this month.



High Max

Low Max

Precip

Snow

High Min

Low Min



Key

Daily Record Reports – City of Houston

Date	Record Type	New Record	Previous Record
7 th	High Minimum	77°F	77°F in 2002
21 st	High Minimum	79°F	79°F in 2022
23 rd	High Minimum	79°F	79°F in 2020
24 th	High Minimum	78°F	78°F in 2011
26 th	High Minimum	81°F	79°F in 1996

There were 5 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
7 th	High Minimum	78°F	77°F in 2003
8 th	High Minimum	78°F	77°F in 2022
9 th	High Minimum	79°F	78°F in 2022
21 st	High Minimum	80°F	80°F in 2022
22 nd	High Minimum	81°F	79°F in 2019
23 rd	High Minimum	80°F	80°F in 2008
24 th	High Minimum	80°F	80°F in 2008
26 th	High Minimum	81°F	78°F in 2008
27 th	High Minimum	79°F	79°F in 2017
27 th	High Maximum	98°F	97°F in 1973

There were 10 daily records set at Houston-Hobby this month.



Key

High Max

Low Max

Precip

Snow

High Min

Low Min

Daily Record Reports – City of Galveston

Date	Record Type	New Record	Previous Record
14 th	High Maximum	90°F	88°F in 2022
22 nd	High Minimum	80°F	80°F in 2020
24 th	High Minimum	80°F	79°F in 2008
25 th	High Minimum	81°F	80°F in 2012
26 th	High Minimum	81°F	80°F in 1996
27 th	High Minimum	82°F	81°F in 2017

There were 6 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
14 th	High Maximum	91°F	90°F in 1959
17 th	Low Maximum	75°F	75°F in 1984
19 th	High Maximum	89°F	89°F in 2022
22 nd	High Minimum	80°F	80°F in 2019
23 rd	High Minimum	81°F	80°F in 2020
24 th	High Minimum	81°F	80°F in 2008
25 th	High Minimum	81°F	80°F in 2016
26 th	High Minimum	82°F	80°F in 2016
27 th	High Minimum	82°F	80°F in 2018
30 th	High Minimum	72°F	71°F in 2020

Date	Record Type	New Record	Previous Record
31 st	Precip	2.65"	1.88" in 2006

There were 11 daily records set at Palacios this month.



Key

High Max

Low Max

Precip

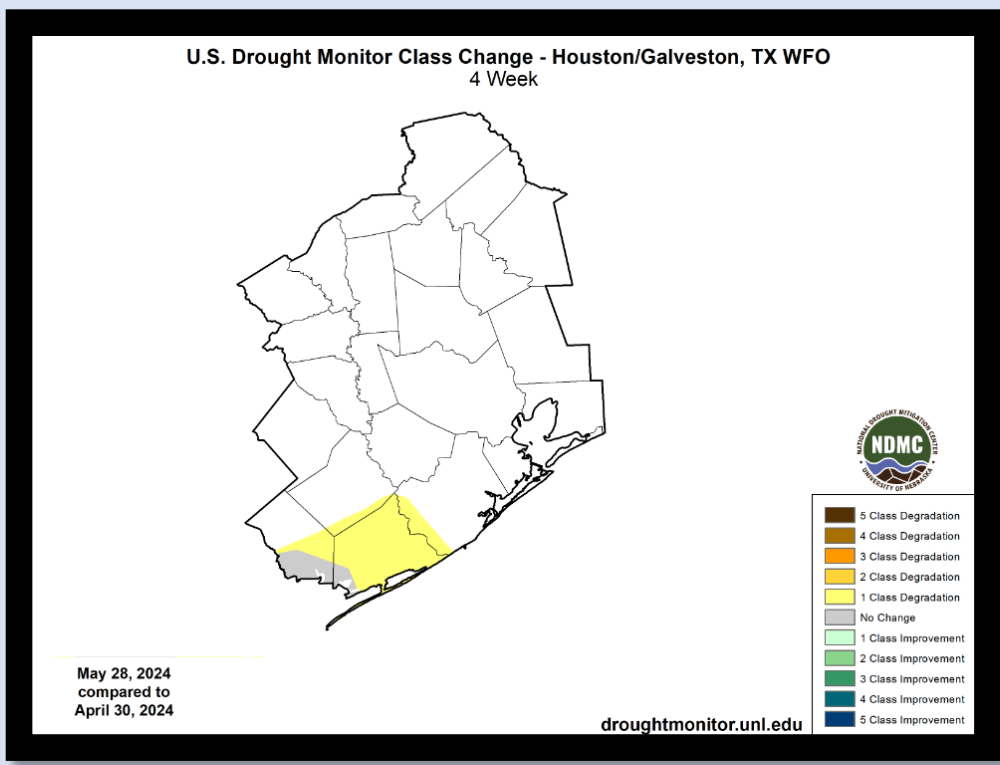
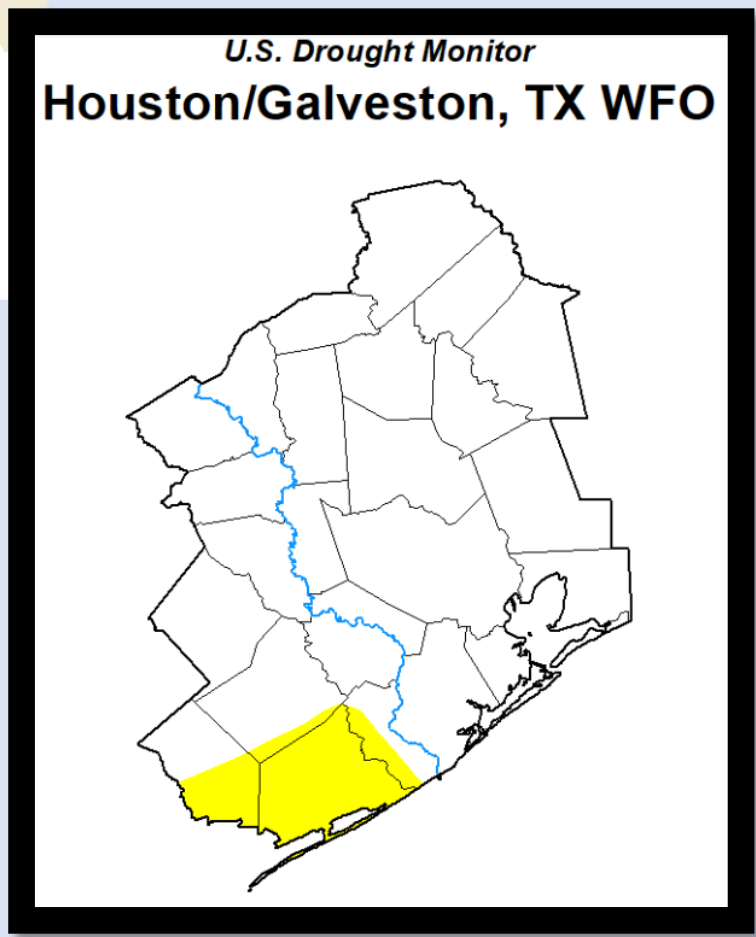
Snow

High Min

Low Min

Drought Monitor

As of May 28th



Intensity:

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

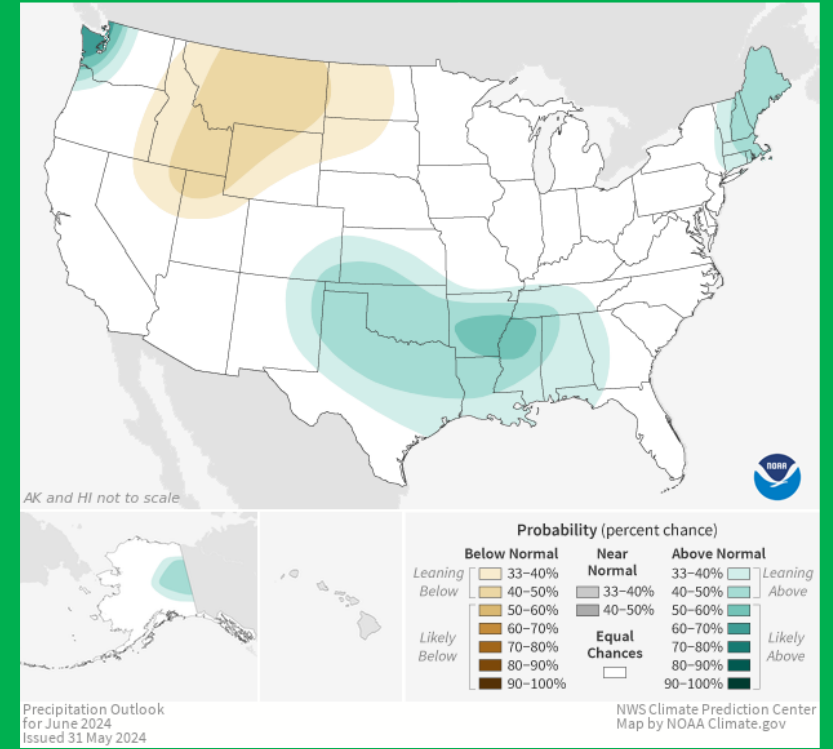
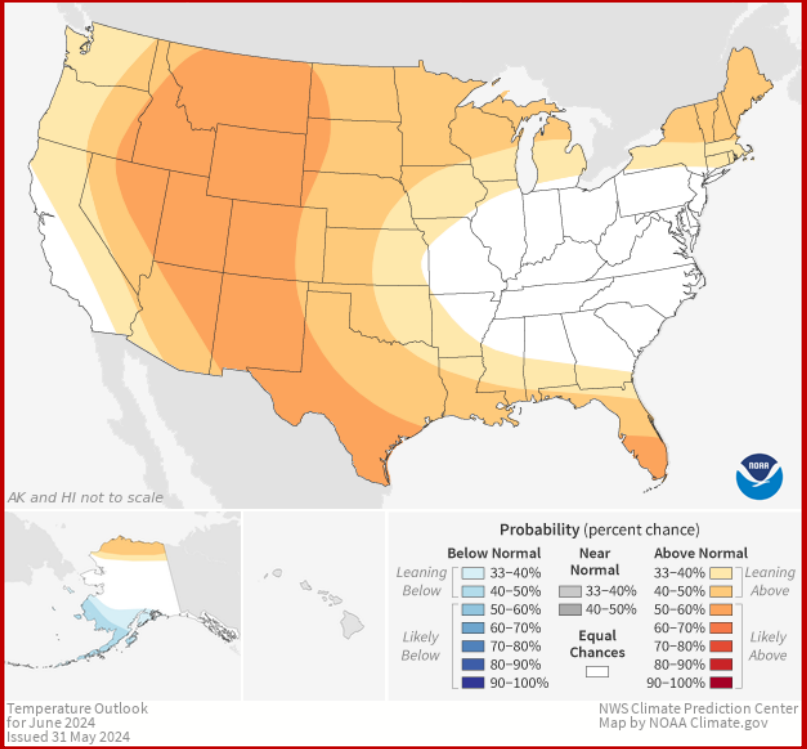
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>



May 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
Palacios	83.6	90.1	77.2

Location	Normal Monthly Precipitation (in.)
Galveston	4.23
Houston Hobby	6.09
City of Houston	6.00
College Station	4.01
Palacios	4.55

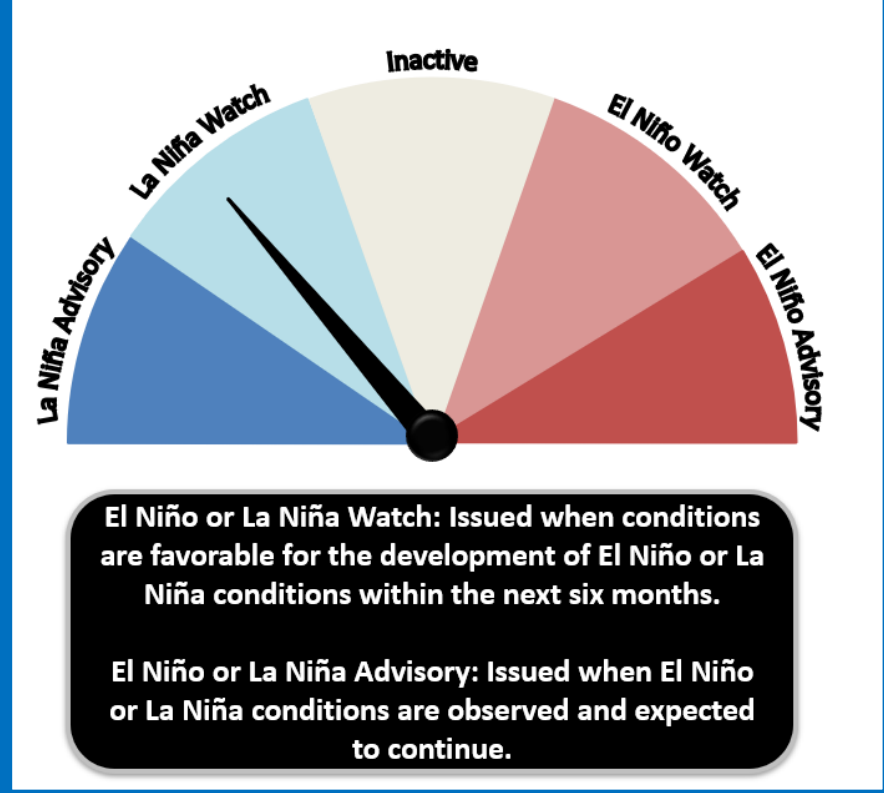
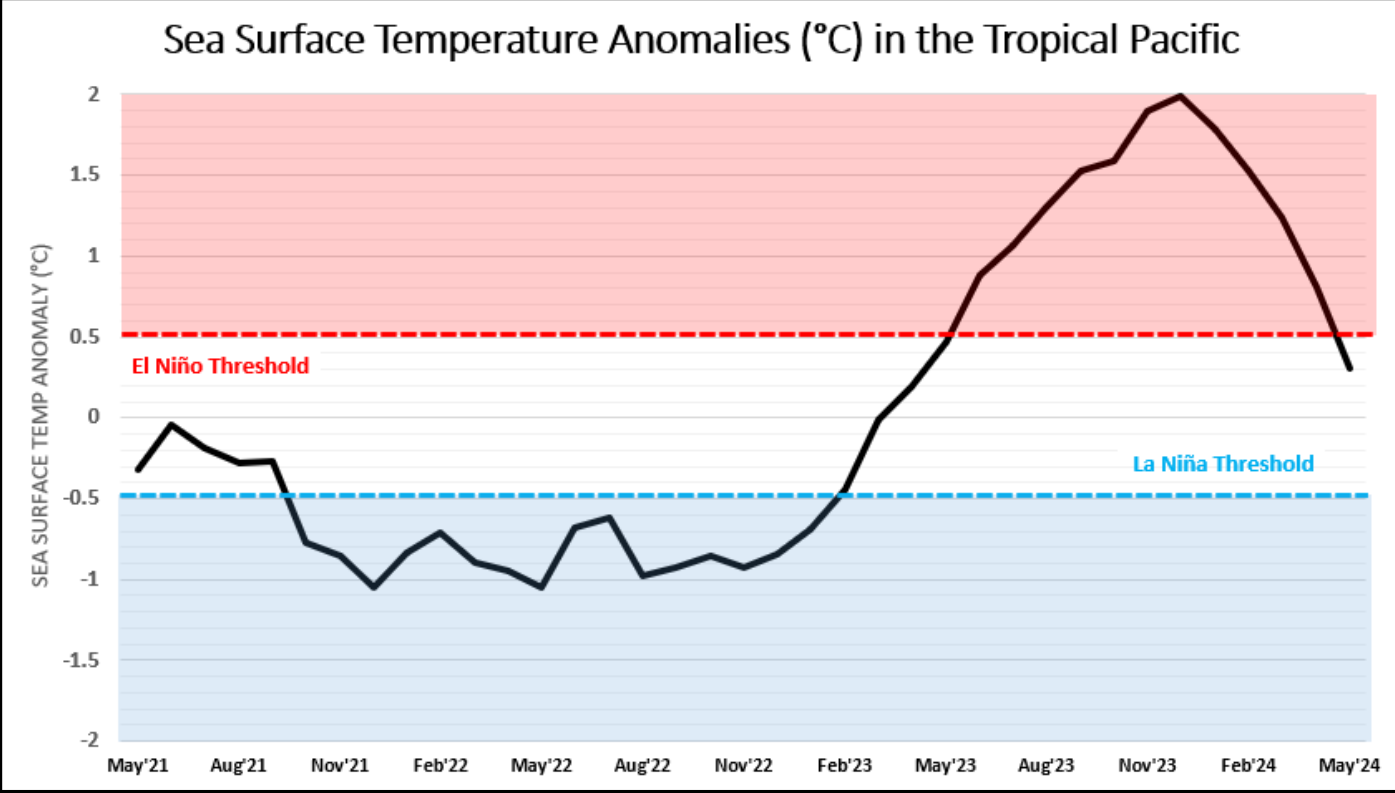


Current ENSO Phase: Neutral

The Climate Prediction Center's ENSO Forecast:

La Niña Watch

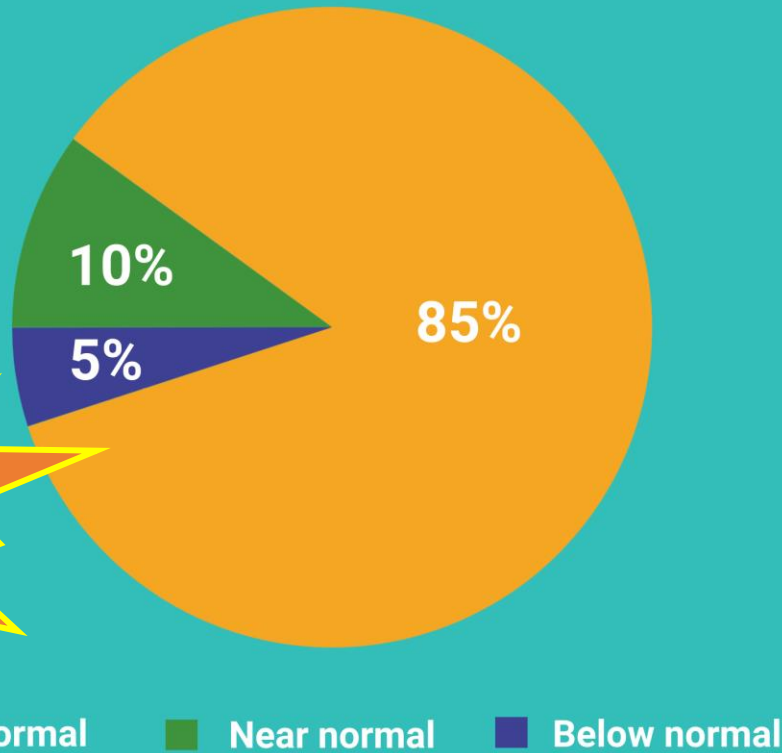
- ENSO-Neutral conditions are present, but are expected to transition to **La Niña** by the late Summer/early Fall (65%)
- **La Niña** conditions are expected to continue through the Winter (85%)



2024 Hurricane Season Outlook



2024 Atlantic Hurricane Season Outlook



It only takes one!

■ Above normal ■ Near normal ■ Below normal

Season probability

Named storms

17 - 25

Hurricanes

8 - 13

Major hurricanes

4 - 7

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.

