

NWS Houston, Texas August 2024 Regional Climate Summary

Produced by Jimmy Fowler

...After a Wet and Cool July, Summer Peaked in August with Hot and Dry Conditions...

After a busy July, August was more a bit more summer-like with high pressure providing SE Texas with hot and dry conditions. Temperatures were around one to three degrees above normal with many locations seeing their first triple digit heat this month. Rainfall was generally around two to four inches below normal with the exception of the coast which saw a wet end of the month that brought it closer to normal. Thanks to the abnormally wet Spring and July, there was only slight drought degradation across the Piney Woods area with the return of DO-Abnormally Dry conditions despite the hot and dry weather in August.

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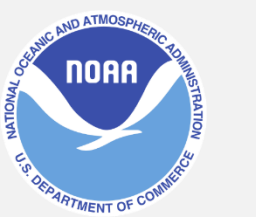
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By the Numbers: August 2024



Location (records started)	Average Temp	Ranking	Total Rainfall	Ranking
City of Houston, TX (1888)	87.6°F	4 th Warmest	1.82"	44 th Driest
Houston Hobby, TX (1930)	88.1°F	3 rd Warmest	1.70"	19 th Driest
City of Galveston, TX (1871)	87.1°F	6 th Warmest	4.62"	59 th Wettest
City of College Station, TX (1882)	87.2°F	13 th Warmest	0.70"	31 st Driest
Palacios, TX (1943)	85.6°F	15 th Warmest	2.09"	33 rd Driest
Huntsville, TX (1997)	85.4°F	14 th Warmest	1.96"	14 th Driest
Sugar Land, TX (2000)	87.1°F	3 rd Warmest	1.44"	4 th Driest
Conroe, TX (1997)	85.0°F	7 th Warmest	0.98"	9 th Driest
Clover Field (Pearland), TX (1997)	87.0°F	3 rd Warmest	2.54"	8 th Driest
David Wayne Hooks (Tomball), TX (1998)	86.0°F	3 rd Warmest	1.67"	7 th Driest
Angleton, TX (1998)	84.4°F	7 th Warmest	4.11"	10 th Wettest
League City, TX (1990)	85.4°F	6 th Warmest	3.71"	16 th Driest



Precipitation

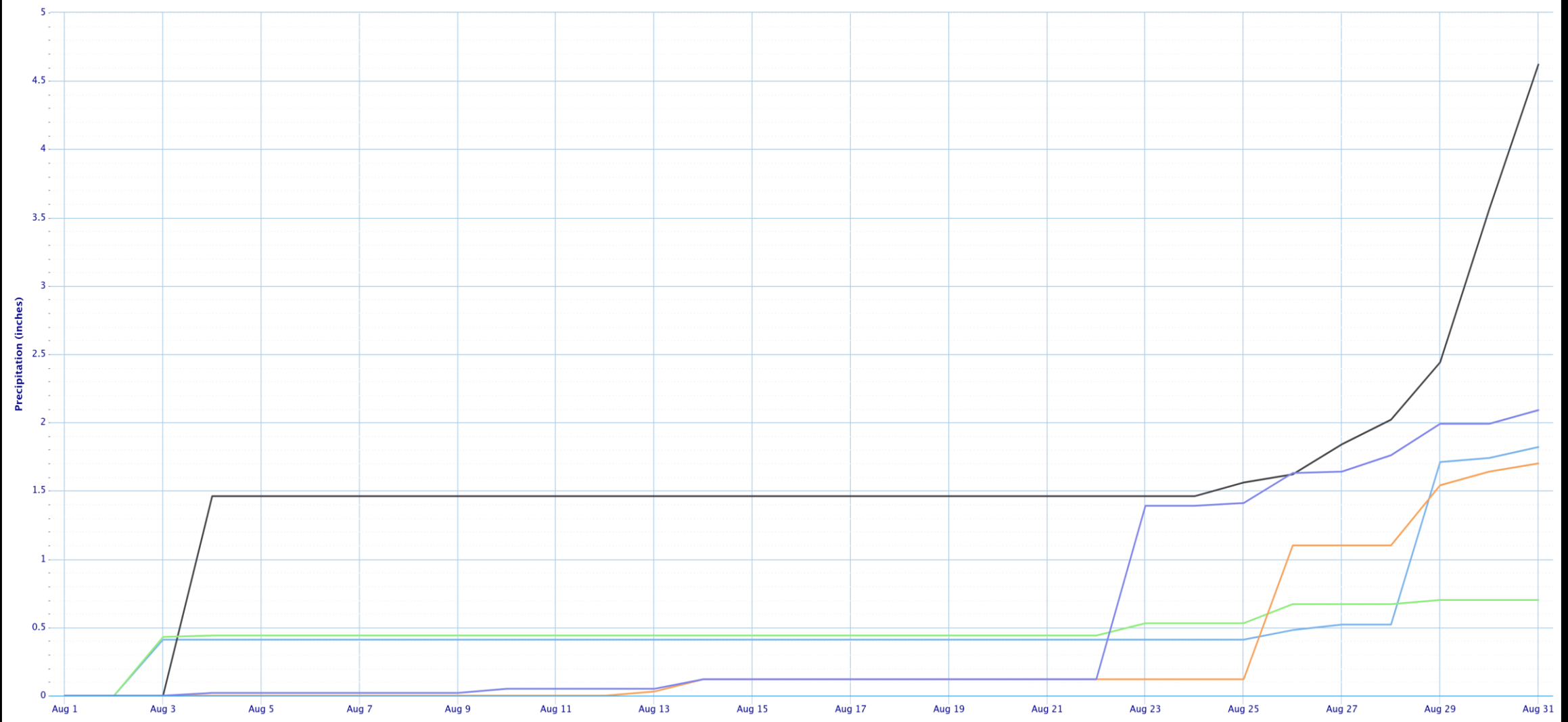
Location	Total Precipitation (in.)	Departure from Normal (in.)	Number of Thunder Days	Maximum Daily Precipitation (in./date)	
Galveston (GLS)	4.62	-0.09	10	1.46	4 th
Houston Hobby (HOU)	1.70	-3.74	7	0.98	26 th
City of Houston (IAH)	1.82	-3.02	6	1.19	29 th
College Station (CLL)	0.70	-2.40	5	0.43	3 rd
Palacios (PSX)	2.09	-1.82	13	1.27	23 rd



Precipitation Accumulation Graph

Accumulated Precipitation

Green/black diamonds represent subsequent/missing values



City of Houston

City of Galveston

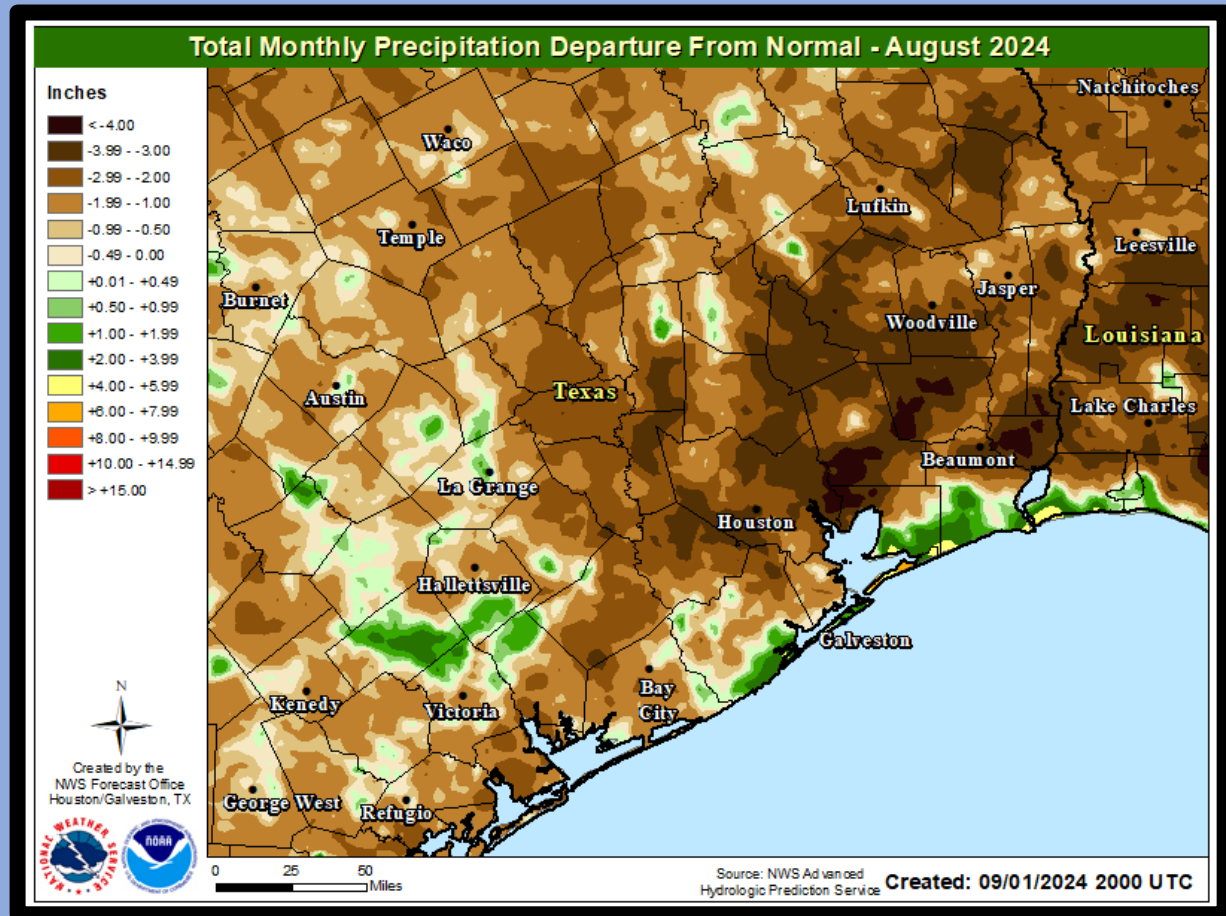
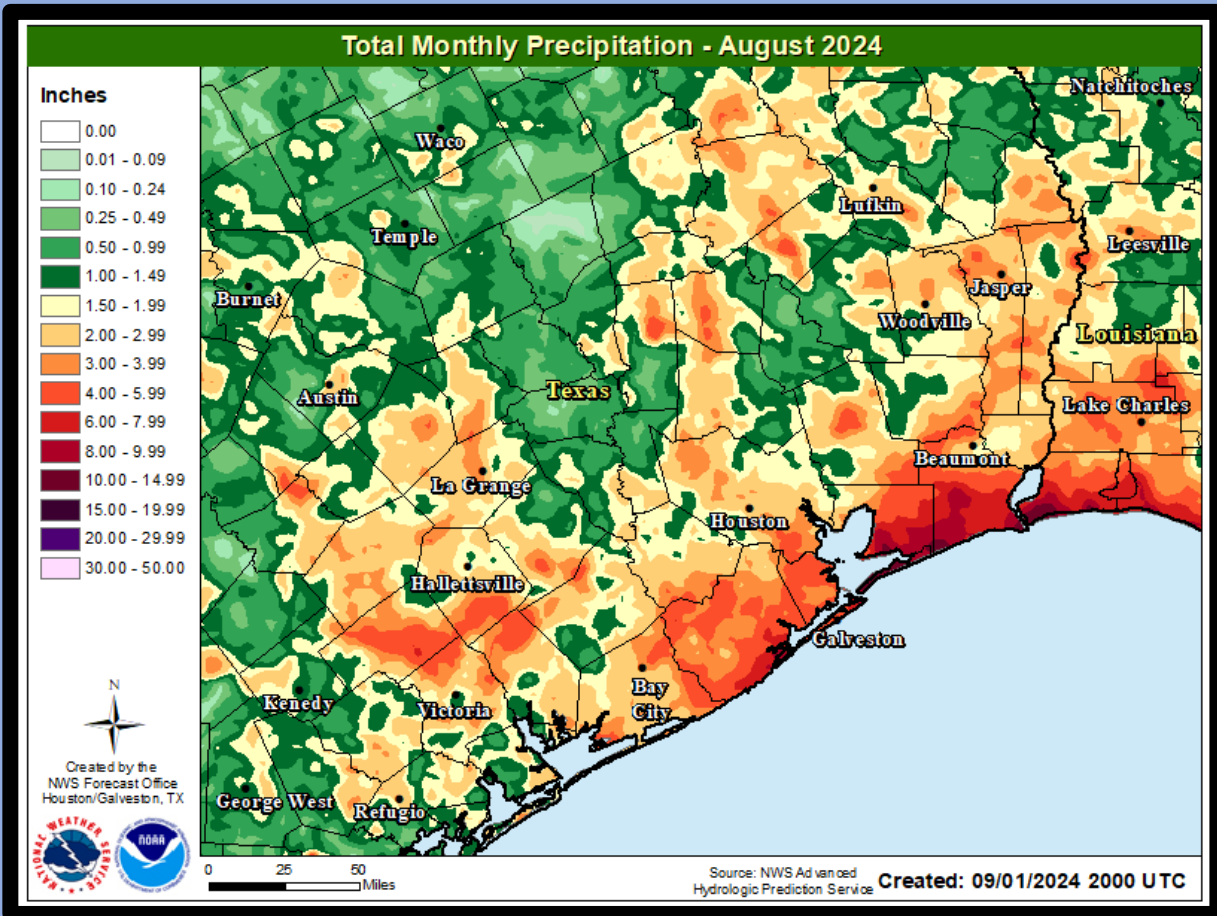
City of College Station

Houston-Hobby

Palacios



Precipitation Maps

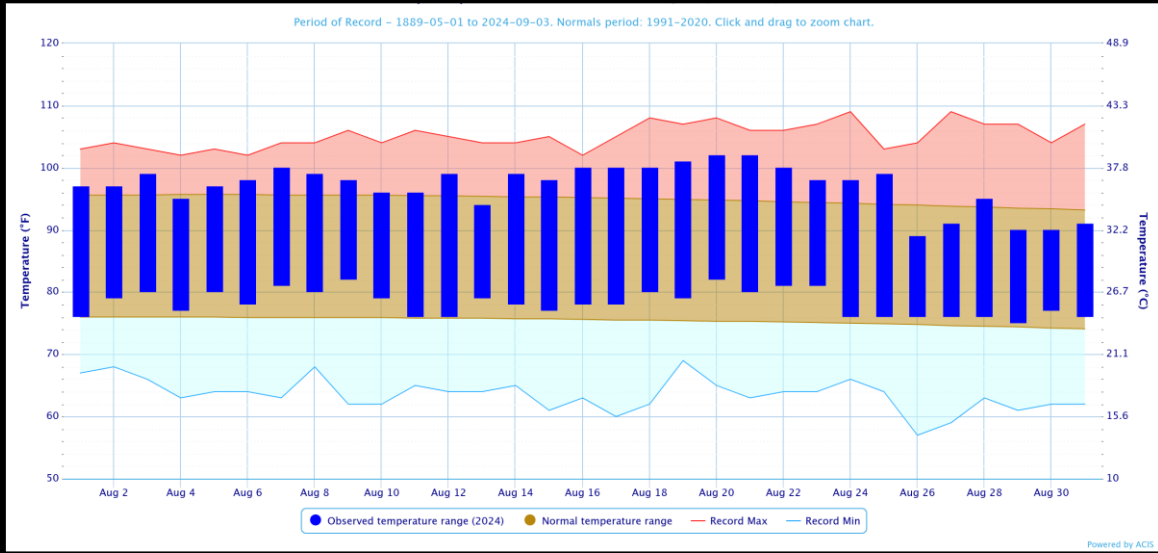


Temperature

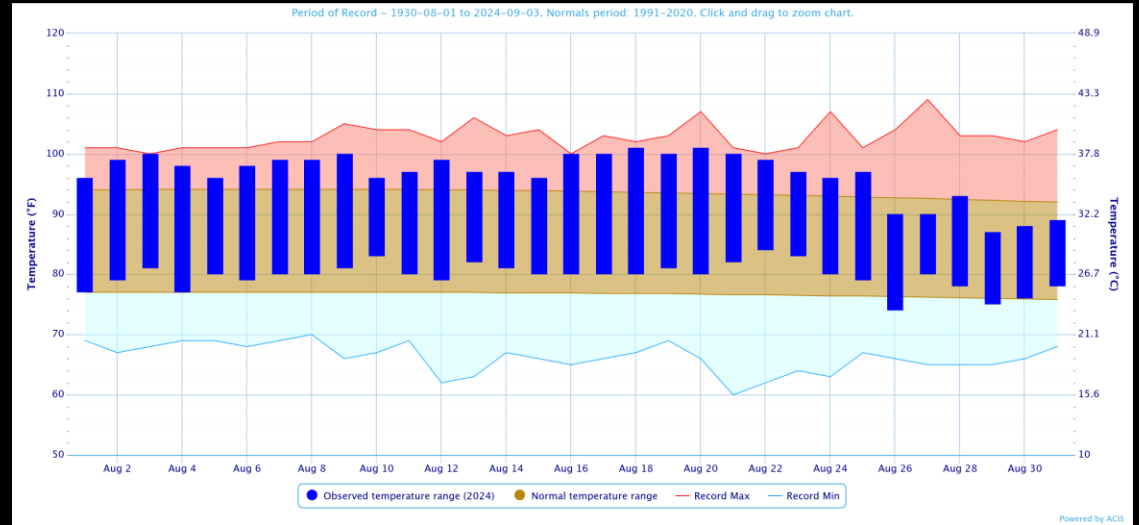
Location	Average High Temp (F)	Average Low Temp (F)	Average Temp (F)	Departure From Normal Average (F)	Maximum Temperature (F)	Minimum Temperature (F)
Galveston (GLS)	92.3	81.8	87.1	+1.2	98 on the 20 th	73 on the 4 th
Houston Hobby (HOU)	96.6	79.6	88.1	+3.0	101 on the 18 th & 20 th	74 on the 26 th
City of Houston (IAH)	97.0	78.2	87.6	+2.4	102 on the 20 th & 21 st	75 on the 29 th
College Station (CLL)	96.8	77.5	87.2	+1.5	102 on the 21 st	73 on the 26 th
Palacios (PSX)	92.8	78.3	85.6	0.0	96 on the 9 th 10 th & 19 th	74 on the 31 st

Temperature Charts

City of Houston

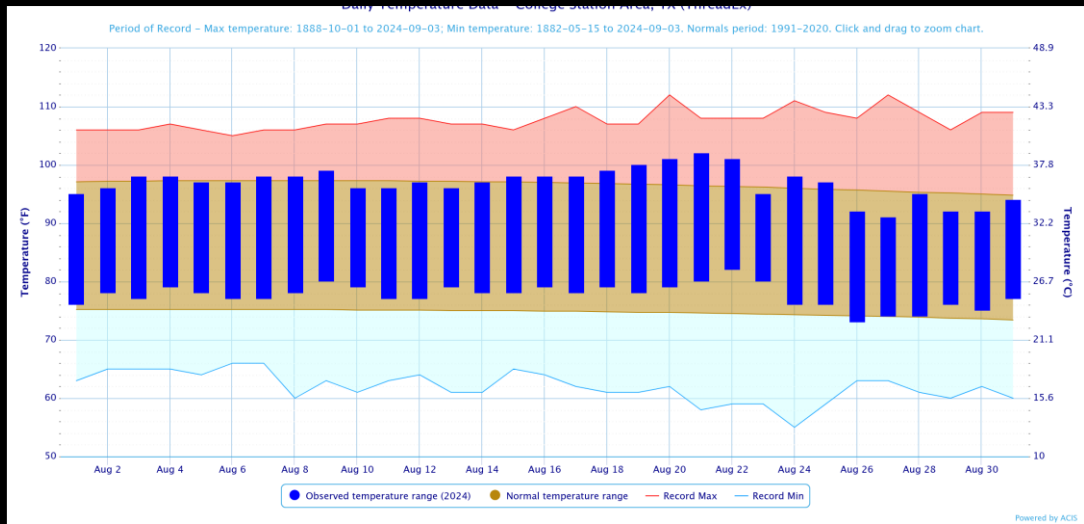


Houston-Hobby

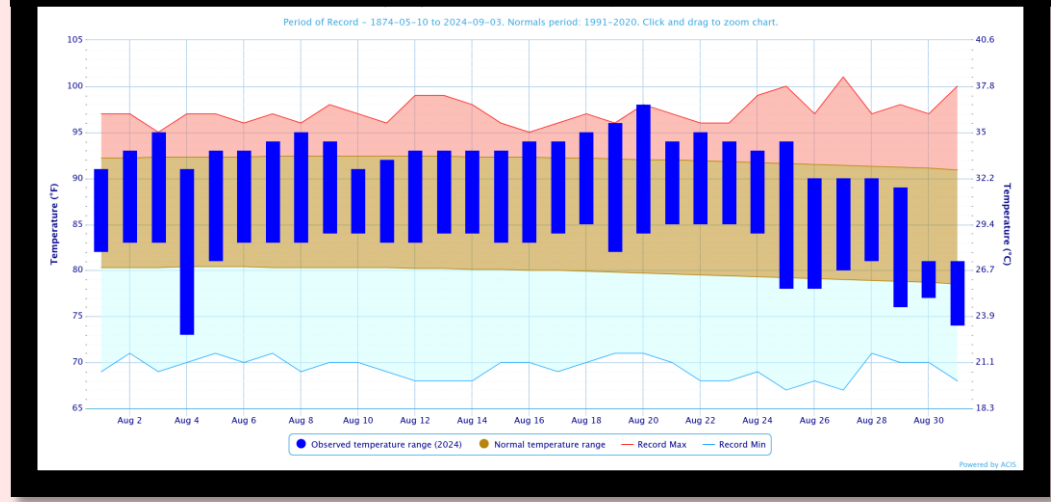


Temperature Charts

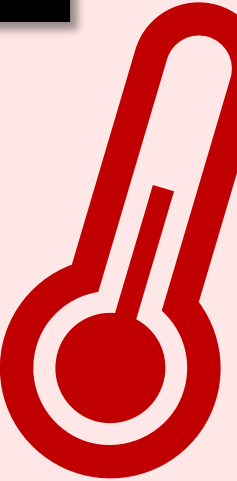
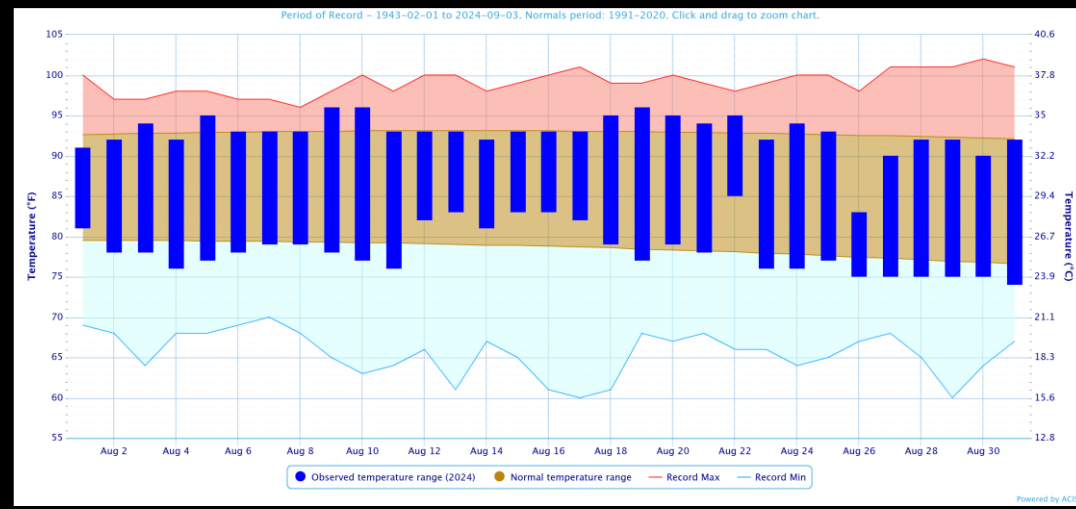
City of College Station



City of Galveston



Palacios



Daily Record Reports – City of College Station

Date	Record Type	New Record	Previous Record
16 th	High Minimum	79°F – T	79°F in 1987

There was 1 daily record set at College Station this month.



High Max

Low Max

Precip

Key

Snow

High Min

Low Min



Daily Record Reports – City of Houston

Date	Record Type	New Record	Previous Record
20 th	High Minimum	82°F – T	82°F in 2023
21 st	High Minimum	80°F – T	80°F in 1964
23 rd	High Minimum	81°F	80°F in 1962

There were 3 daily records set at Houston this month.



Key

High Max

Low Max

Precip

Snow

High Min

Low Min

Daily Record Reports – Houston-Hobby

Date	Record Type	New Record	Previous Record
3 rd	High Minimum	81°F	81°F in 2023
3 rd	High Maximum	100°F – T	100°F in 2022
5 th	High Minimum	80°F – T	80°F in 2023
10 th	High Minimum	83°F	81°F in 2023
13 th	High Minimum	82°F	81°F in 2007
14 th	High Minimum	81°F – T	81°F in 2017
16 th	High Maximum	100°F – T	100°F in 2023
21 st	High Minimum	82°F – T	82°F in 2023
22 nd	High Minimum	84°F – T	84°F in 2023
23 rd	High Minimum	83°F	81°F in 2023

Date	Record Type	New Record	Previous Record
27 th	High Minimum	80°F – T	80°F in 2023

There were 11 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
3 rd	High Maximum	95°F – T	95°F in 2022
14 th	High Minimum	84°F – T	84°F in 2020
17 th	High Minimum	84°F – T	84°F in 2022
19 th	High Maximum	96°F – T	96°F in 1995
20 th	High Maximum	98°F	97°F in 2023
21 st	High Minimum	85°F – T	85°F in 2022
22 nd	High Minimum	85°F	83°F in 2021
23 rd	High Minimum	85°F	84°F in 2007
24 th	High Minimum	84°F – T	84°F in 1993

There were 9 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 nd	High Minimum	85°F	84°F in 2010

There was 1 daily records set at Palacios this month.



High Max

Low Max

Precip

Key

Snow

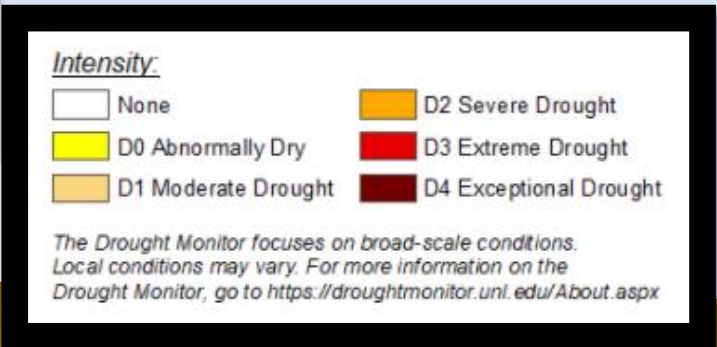
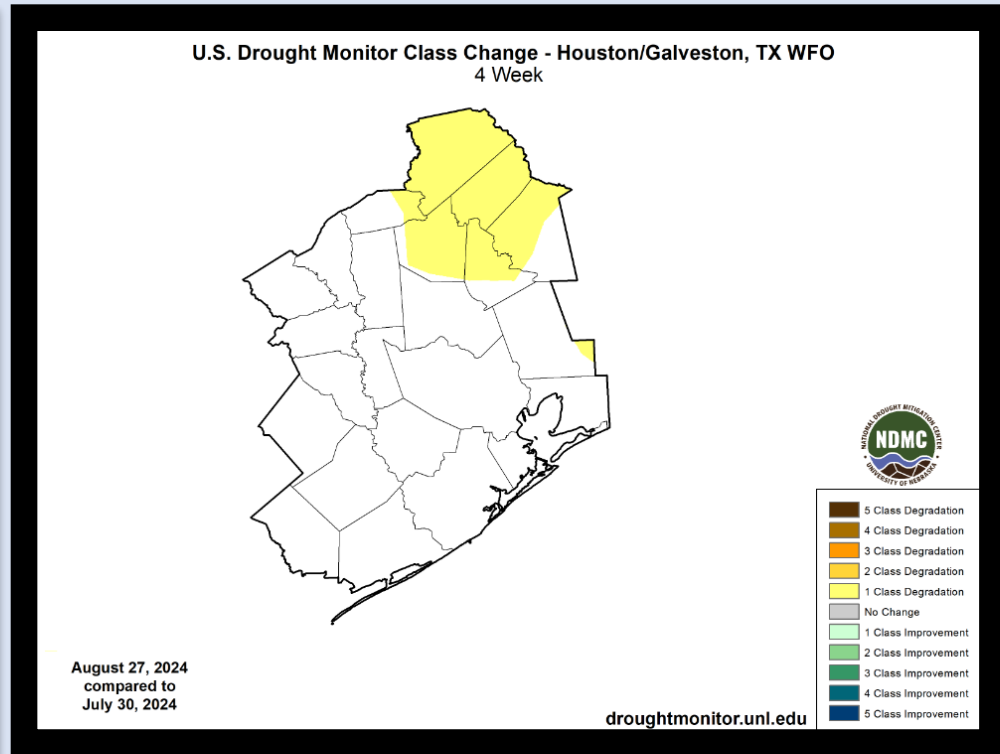
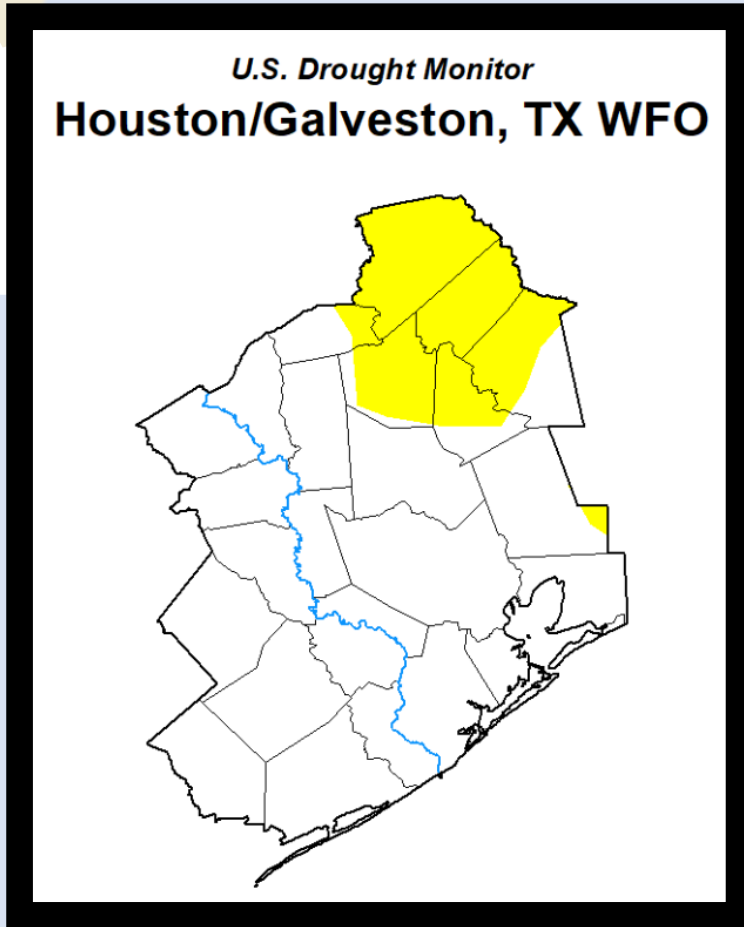
High Min

Low Min



Drought Monitor

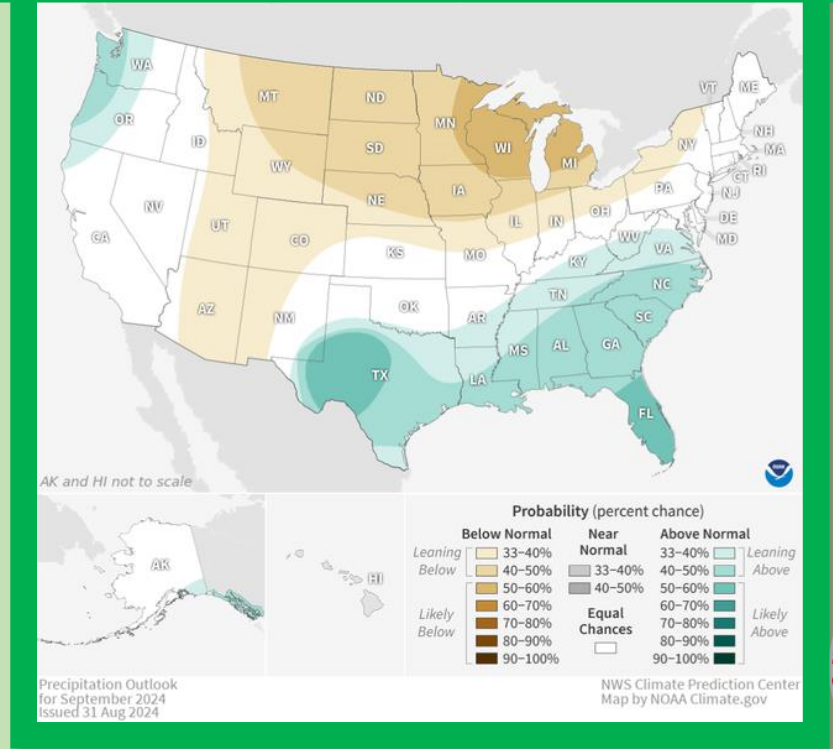
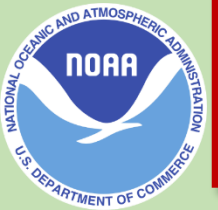
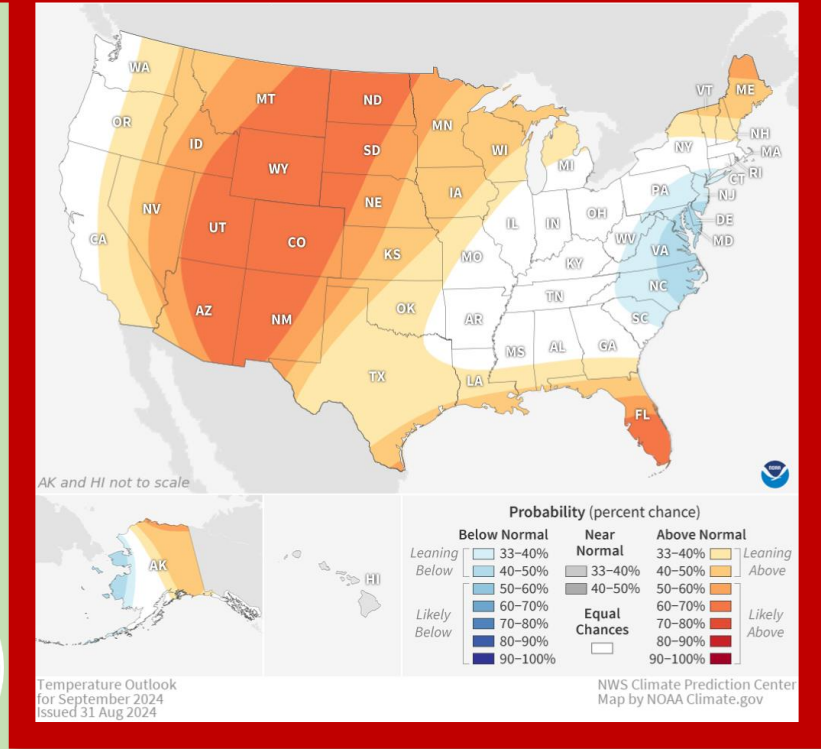
As of August 27th



September Outlook

Location	Average Temp(°F)	Normal High (°F)	Normal Low (°F)
Galveston	82.4	88.7	76.1
Houston Hobby	81.1	89.3	72.9
City of Houston	80.5	90.4	70.6
College Station	80.6	91.2	70.0
Palacios	81.5	90.0	73.0

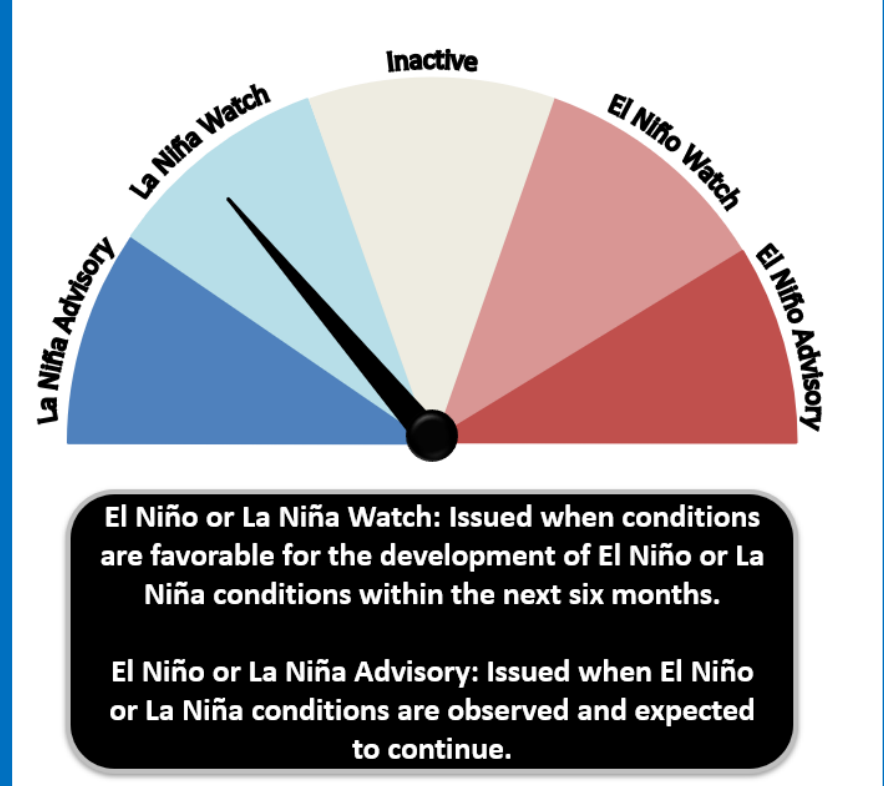
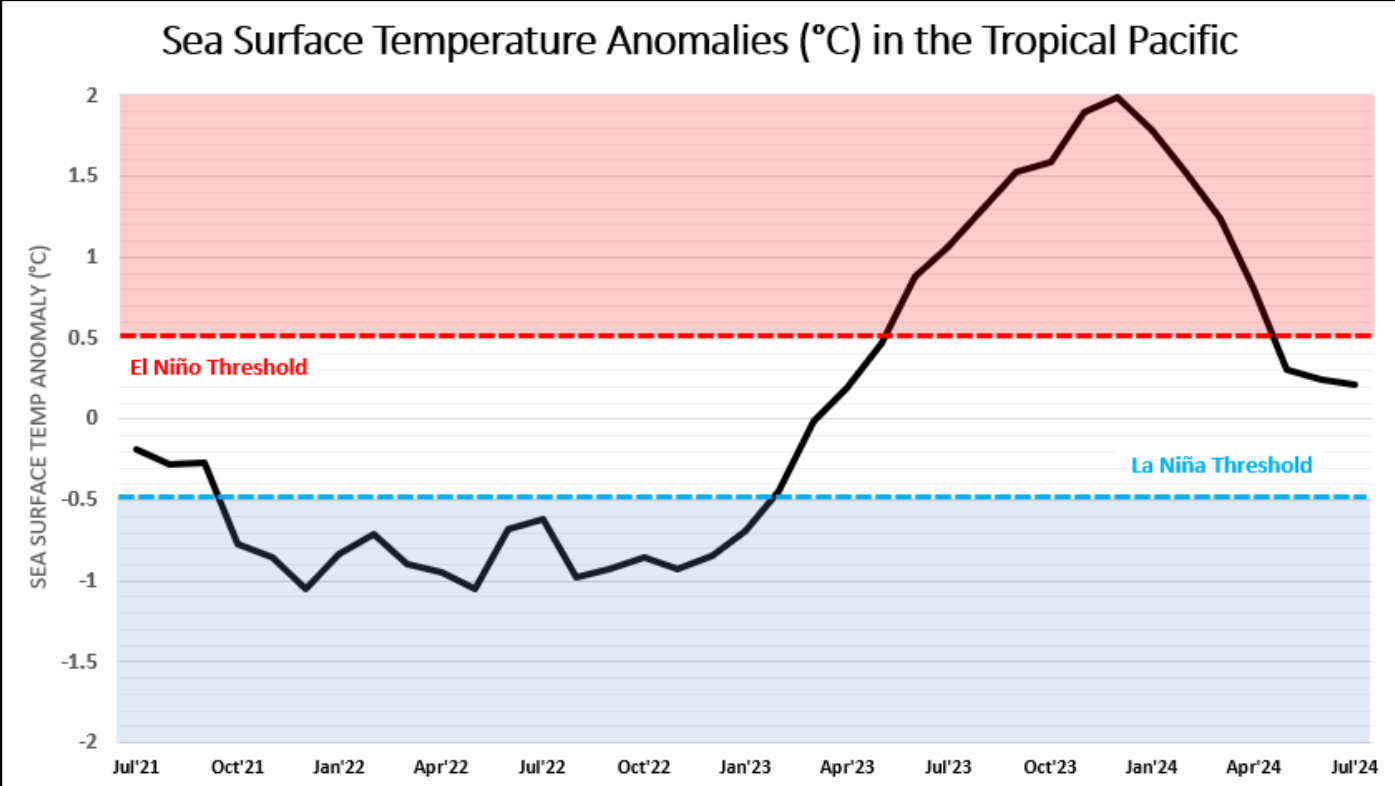
Location	Normal Monthly Precipitation (in.)
Galveston	6.65
Houston Hobby	5.76
City of Houston	4.71
College Station	3.50
Palacios	5.88



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.

