



NWS Houston, Texas February 2020 Regional Climate Summary

Produced by Jimmy Fowler

...Another Drier and Warmer than Normal Month, Plus A Recap of the Winter Season and Looking Ahead into the Spring Season...

February continued the warmer and drier than normal trend this winter. Frequent stretches of overcast helped to keep temperatures from climbing into any extremes, thus there was only one temperature record set this month (a record high minimum temperature on the 4th in Galveston). Drought conditions improved in the northern part of the region, but continued to degrade in the southwestern counties. This past winter was abnormally warm with it being the 10th warmest on record in Houston-Hobby, 8th warmest in College Station, and 6th warmest in Galveston. Looking ahead through Spring, the warm weather is expected to continue across Texas with equal chances of above or below normal precipitation.

Table of Contents

Page Number	Page Title
1	Cover
2	Table of Contents
3	By the Numbers – February
4	By the Numbers – Winter Season
5	Precipitation Summary
6	Precipitation Imagery
7	Temperature Summary
8	Temperature Charts
9	Daily Record Reports
10	Drought Monitor
11	Next Month Outlook
12	Spring Outlook
13 – 14	Spring Climatology
15	ENSO Review
16	Climate Primary Site History



By the Numbers: February 2020



Location (records started)	Average Temp	Ranking	Total Rainfall	Ranking
City of Houston, TX (1888)	56.9°F	53 rd Warmest	1.58"	32 nd Driest
Houston Hobby, TX (1930)	58.7°F	27 th Warmest	2.20"	36 th Driest
City of Galveston, TX (1871)	60.1°F	29 th Warmest	1.51"	46 th Driest
City of College Station, TX (1882)	55.6°F	50 th Warmest	2.13"	58 th Driest
Conroe, TX (1997)	53.6°F	14 th Warmest	1.27"	7 th Driest
Huntsville, TX (1997)	54.0°F	14 th Warmest	3.04"	15 th Driest
Sugar Land, TX (2000)	57.1°F	11 th Warmest	1.86"	10 th Driest
Palacios, TX (1943)	58.4°F	29 th Warmest	0.04"	#1 Driest
Clover Field (Pearland), TX (1997)	58.6°F	13 th Warmest	0.96"	6 th Driest
David Wayne Hooks (Tomball), TX (1998)	55.8°F	13 th Warmest	0.89"	6 th Driest
Angleton, TX (1998)	58.1°F	13 th Warmest	0.61"	4 th Driest
League City, TX (1990)	58.0°F	14 th Warmest	1.63"	11 th Driest

By the Numbers: Winter Season Dec-Feb

Location (records started)	Average Temp	Ranking	Total Rainfall	Ranking
City of Houston, TX (1888)	57.5°F	18 th Warmest	6.56"	19 th Driest
Houston Hobby, TX (1930)	59.1°F	10 th Warmest	7.96"	21 st Driest
City of Galveston, TX (1871)	61.0°F	6 th Warmest	10.39"	65 th Wettest
City of College Station, TX (1882)	56.2°F	8 th Warmest	5.18"	24 th Driest
Conroe, TX (1997)	53.8°F	8 th Warmest	6.40"	6 th Driest
Huntsville, TX (1997)	54.6°F	9 th Warmest	7.72"	6 th Driest
Sugar Land, TX (2000)	57.8°F	4 th Warmest	6.39"	3 rd Driest
Palacios, TX (1943)	59.0°F	12 th Warmest	7.12"	31 st Driest
Clover Field (Pearland), TX (1997)	58.9°F	3 rd Warmest	5.23"	5 th Driest
David Wayne Hooks (Tomball), TX (1998)	55.8°F	8 th Warmest	5.51"	5 th Driest
Angleton, TX (1998)	58.3°F	4 th Warmest	7.90"	10 th Driest
League City, TX (1990)	58.1°F	3 rd Warmest	9.27"	11 th Driest



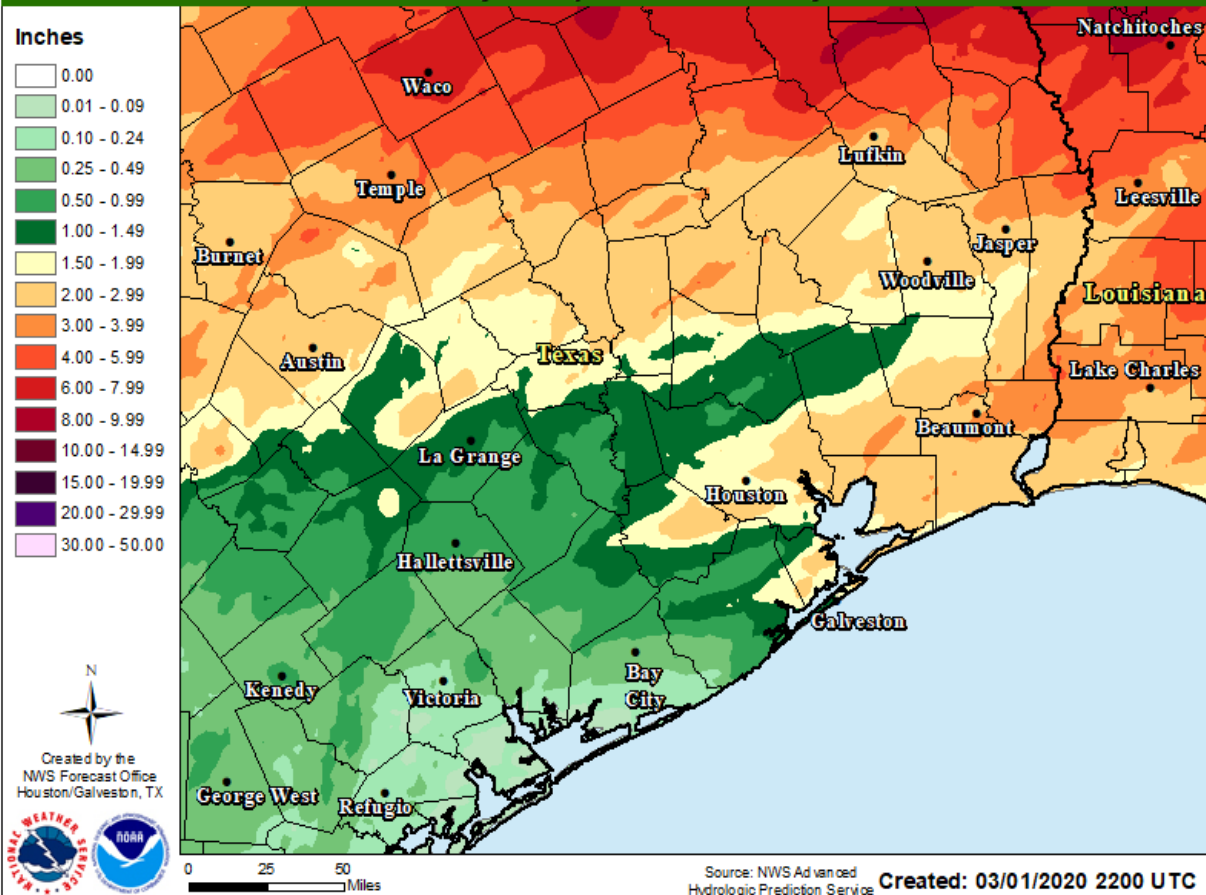
Precipitation

Location	Total Precipitation (in.)	Departure from Normal (in.)	Number of Thunder Days	Maximum Daily Precipitation (in./date)	
Galveston (GLS)	1.51	-1.06	3	0.76	12 th
Houston Hobby (HOU)	2.20	-1.01	1	1.83	24 th
City of Houston (IAH)	1.58	-1.62	2	0.69	24 th
College Station (CLL)	2.13	-0.72	1	0.61	20 th

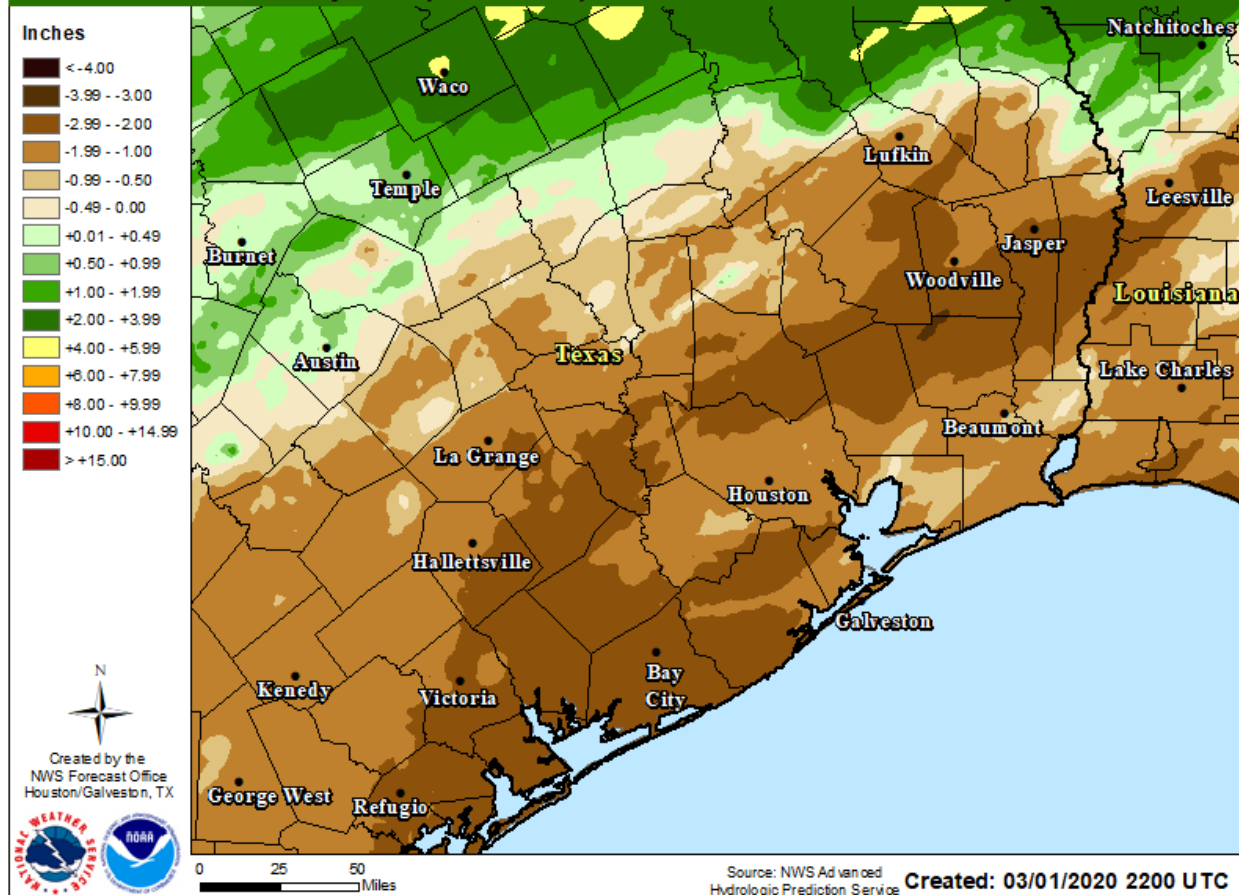
February was yet again another drier than normal month with the primary climate sites around one inch below average, and most of the area experiencing one to three inches below average. The only region that saw above normal precipitation was extreme northern Houston County. Out of the primary climate sites, Houston-Hobby saw the highest amount of precipitation this month, however 83% of that rain fell in just one day.

Precipitation Maps

Total Monthly Precipitation - February 2020



Total Monthly Precipitation Departure From Normal - February 2020



Temperature

Location	Average High Temp (F)	Average Low Temp (F)	Average Temp (F)	Normal Average Temp (F)	Departure From Normal (F)	Maximum Temperature (F)	Minimum Temperature (F)
Galveston (GLS)	66.6	53.6	60.1	57.6	+2.5	74 on the 18 th	39 on the 6 th
Houston Hobby (HOU)	68.3	49.0	58.7	54.1	+1.4	80 on the 17 th	35 on the 27 th
City of Houston (IAH)	67.4	46.4	56.9	56.4	+0.5	81 on the 17 th	32 on the 27 th
College Station (CLL)	66.4	44.8	55.6	54.6	+1.0	80 on the 17 th	30 on the 27 th

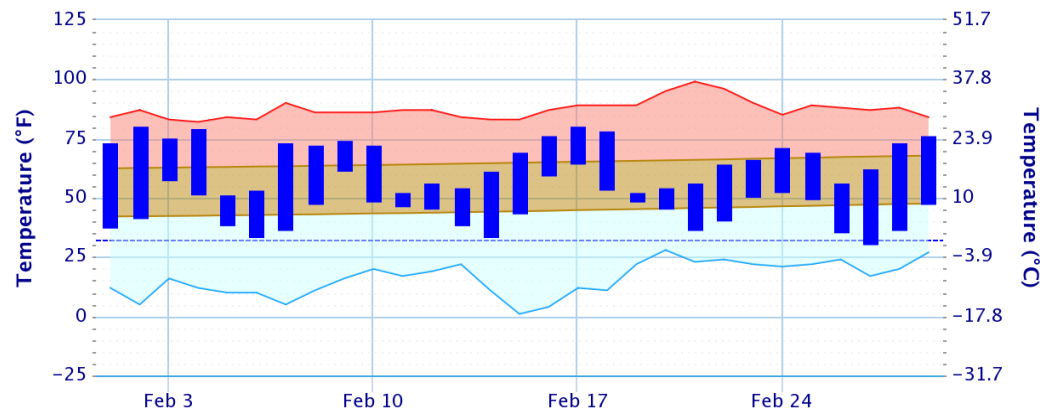
February continued the stretch of warmer than normal temperatures. Galveston was the warmest compared to normal at 2.5°F warmer than normal, while the other sites averaged around 1°F above normal.

Temperature Charts

8

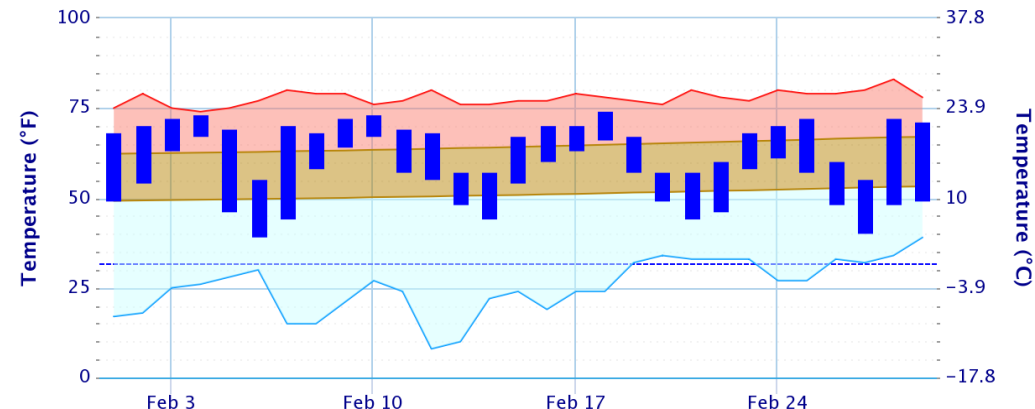
Daily Temperature Data – College Station Area, TX (ThreadEx)

Period of Record – Max temperature: 1888-10-01 to 2020-02-29; Min temperature: 1882-05-15 to 2020-02-29. Normals period: 1981-2010. Click and drag to zoom chart.



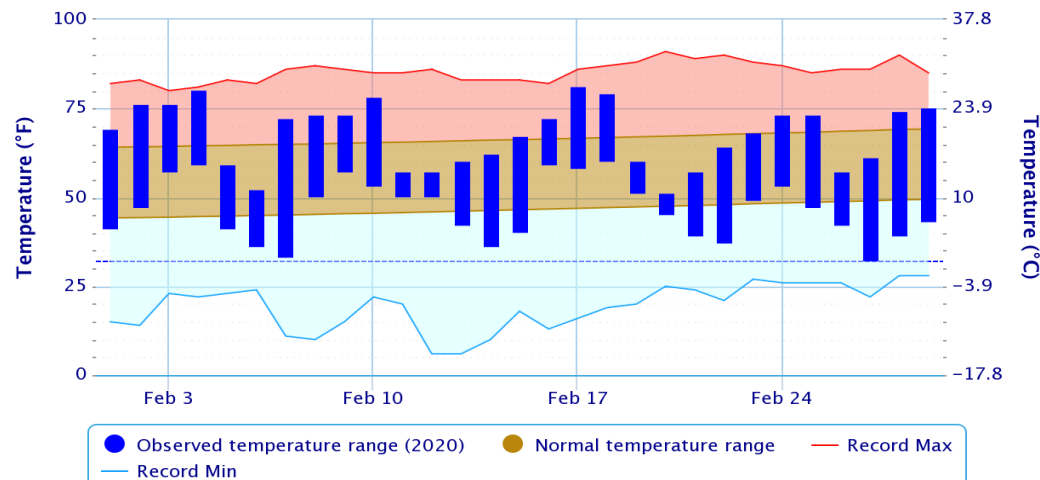
Daily Temperature Data – Galveston Area, TX (ThreadEx)

Period of Record – 1874-05-10 to 2020-02-29. Normals period: 1981-2010. Click and drag to zoom chart.



Daily Temperature Data – Houston Area, TX (ThreadEx)

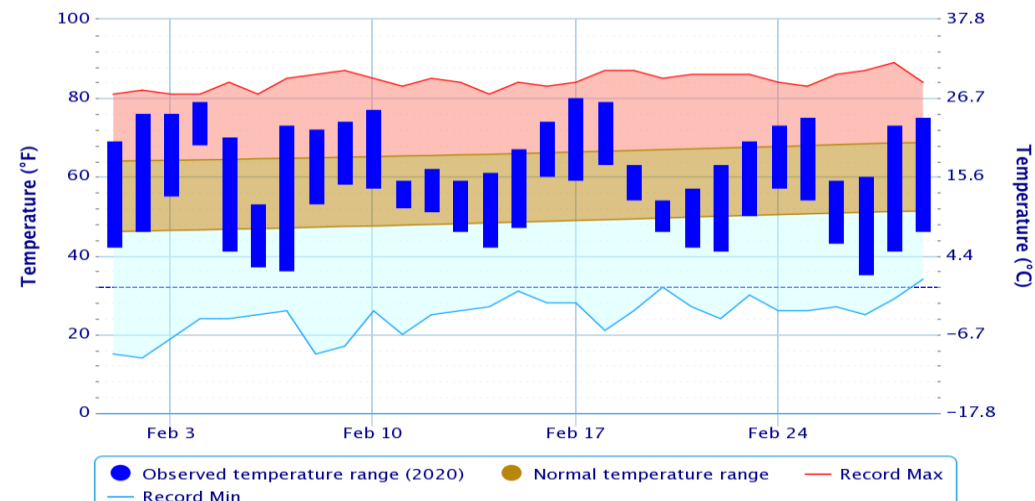
Period of Record – 1889-05-01 to 2020-02-29. Normals period: 1981-2010. Click and drag to zoom chart.



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Daily Temperature Data – HOUSTON WILLIAM P HOBBY AP, TX

Period of Record – 1930-08-01 to 2020-02-29. Normals period: 1981-2010. Click and drag to zoom chart.

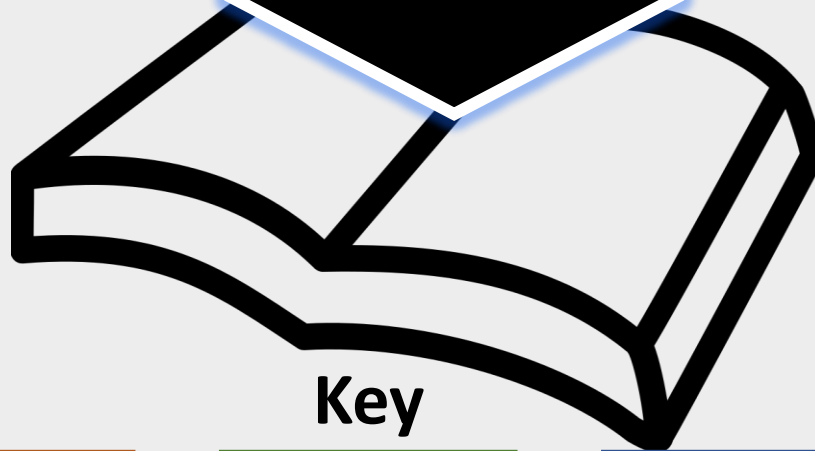


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Daily Record Reports

Site	Date	Record Type	New Record	Previous Record
City of Galveston	February 4 th	High Min Temperature	67°	65° in 1999

There was only
one record set
during the
month of
February.



Key

High Max

Low Max

Precip

High Min

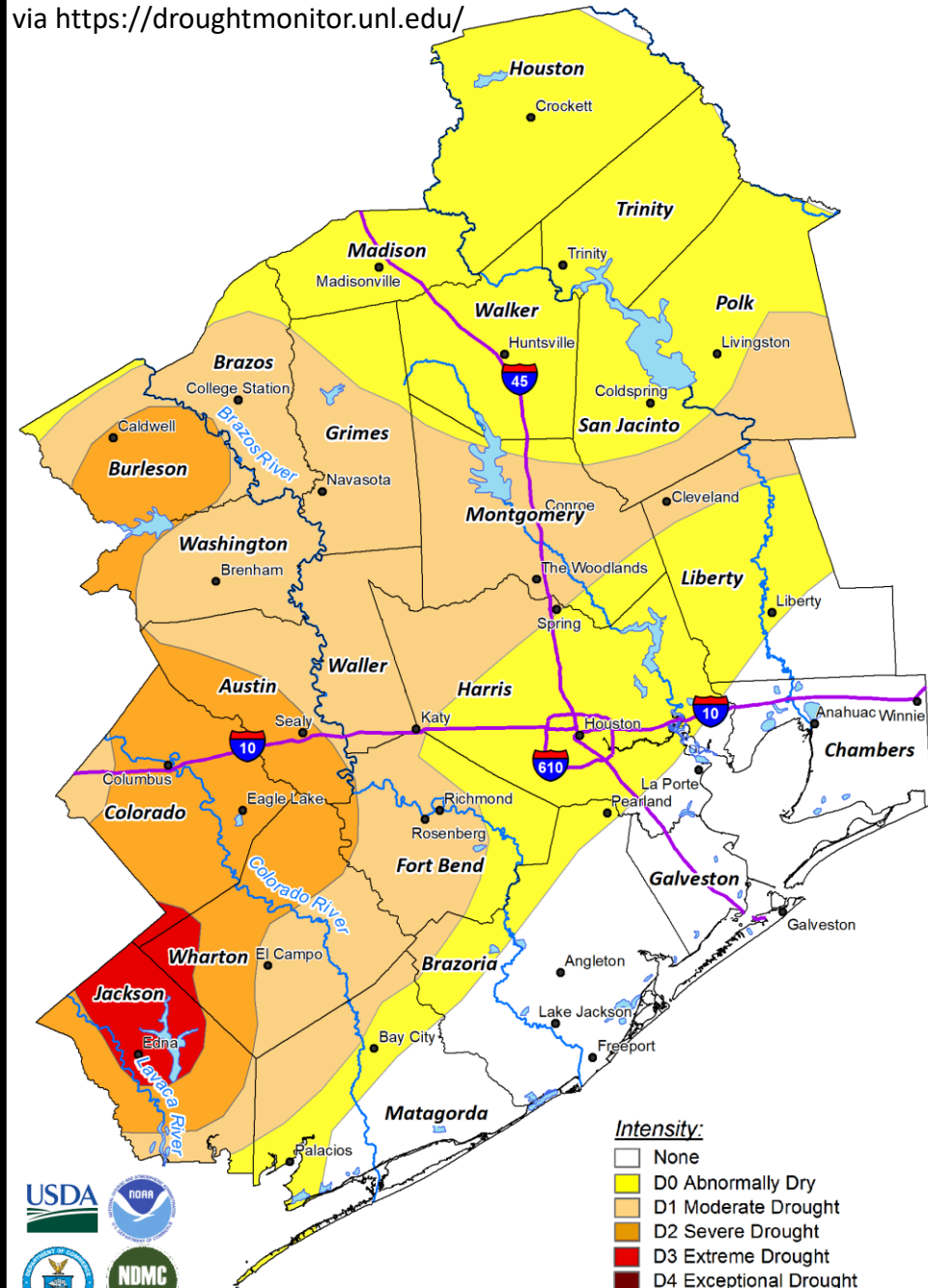
Low Min

Drought Monitor

As of February 25th

During February, drought conditions across the region stayed mainly the same as last month. There were slight improvements in the northern counties, but the area remains Abnormally Dry (D0). Drought conditions degraded across northern Jackson, western Wharton, and extreme southern Colorado counties where the area of Extreme Drought (D3) expanded compared to last month. Areas along the coast remained drought free.

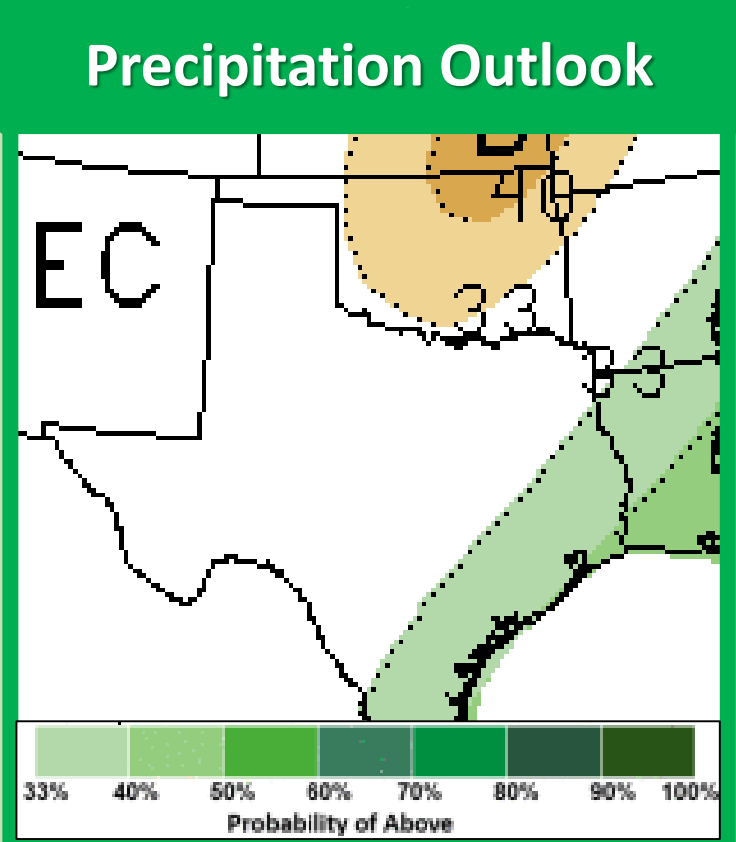
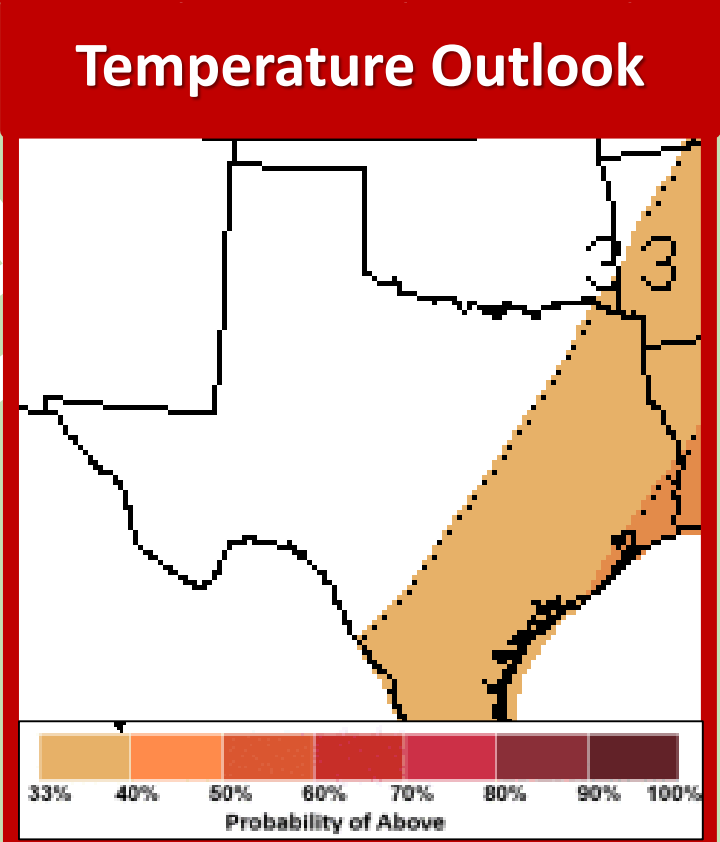
via <https://droughtmonitor.unl.edu/>



March Outlook

Location	Average Temp(°F)	Normal High (°F)	Normal Low (°F)
Galveston	63.4	70.2	56.6
Houston Hobby	63.3	72.4	54.3
City of Houston	62.7	73.0	52.5
College Station	61.4	71.7	51.0

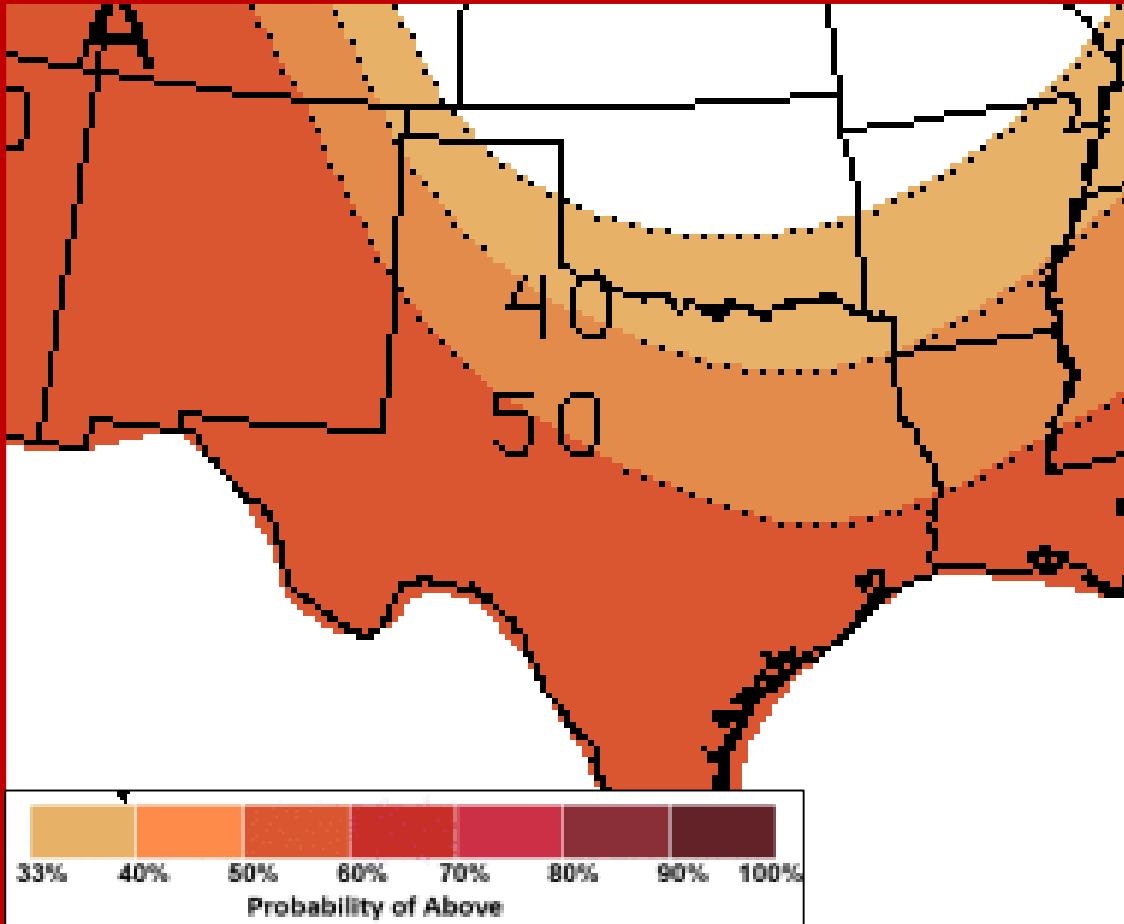
Location	Normal Monthly Precipitation (in.)
Galveston	3.16
Houston Hobby	3.20
City of Houston	3.41
College Station	3.17



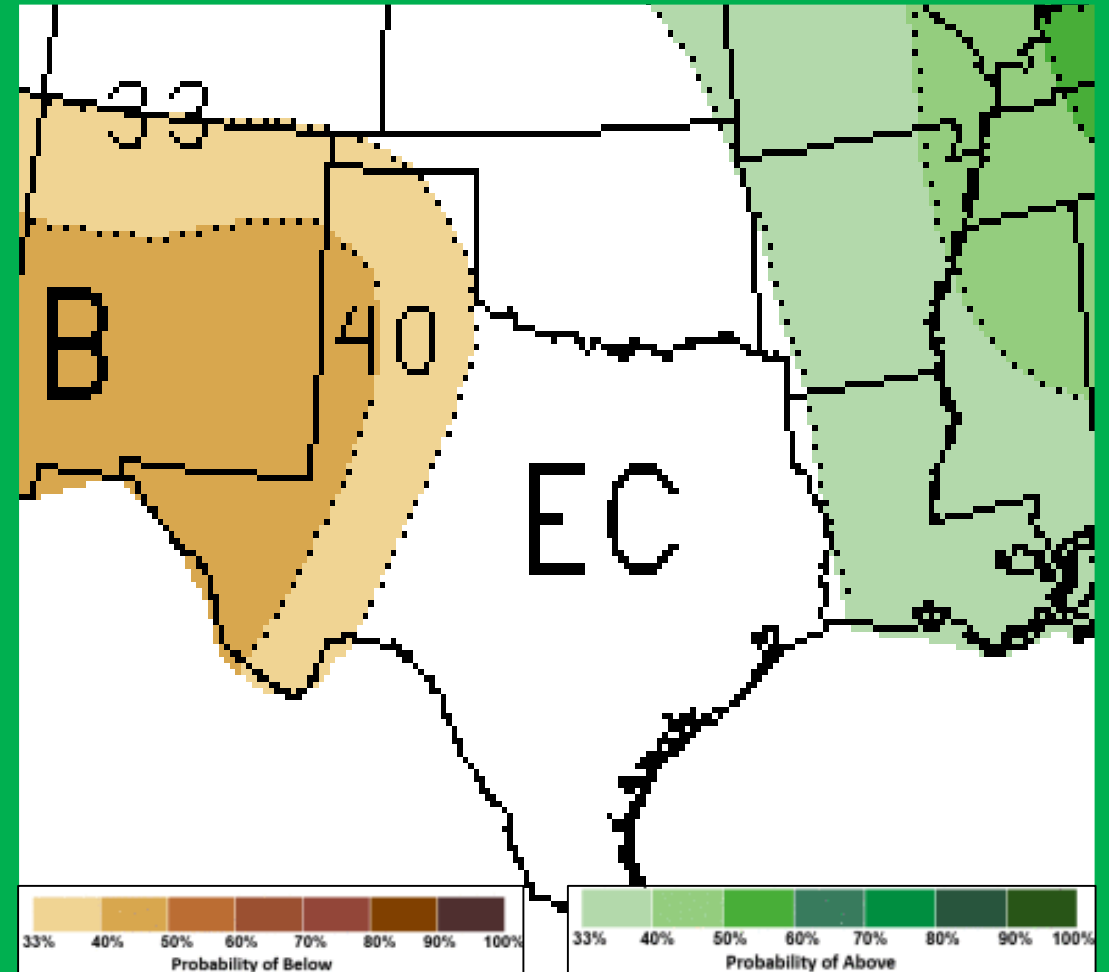
Spring Outlook (March – May)

12

Temperature Outlook



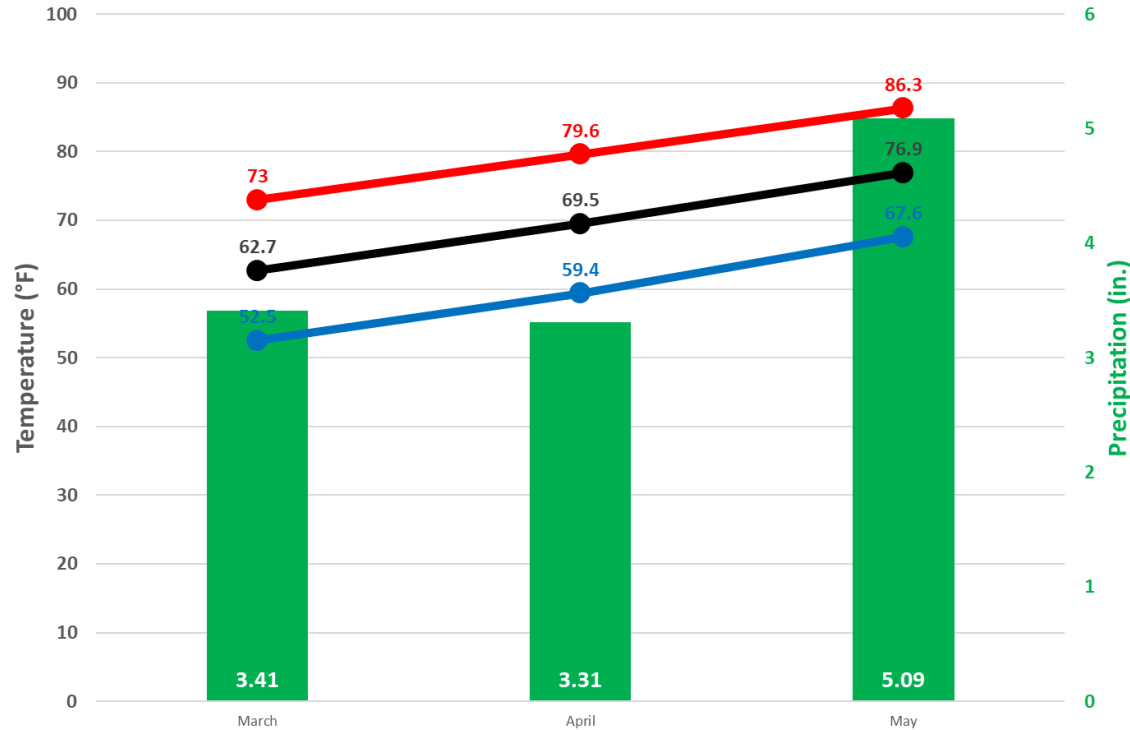
Precipitation Outlook



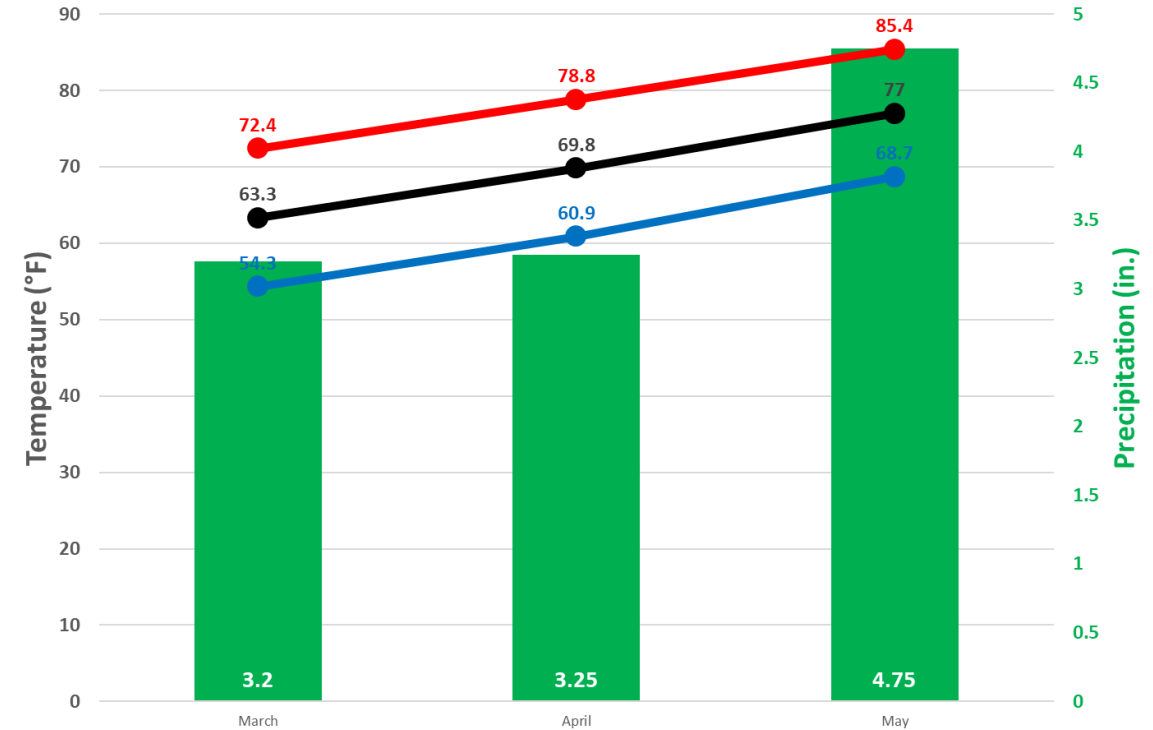
Spring Climatology (March – May)

13

City of Houston: Spring Climatology



Houston-Hobby: Spring Climatology



Legend

Green Bar: Average
Precipitation

Red Line: Average
Max Temperature

Black Line: Average
Temperature

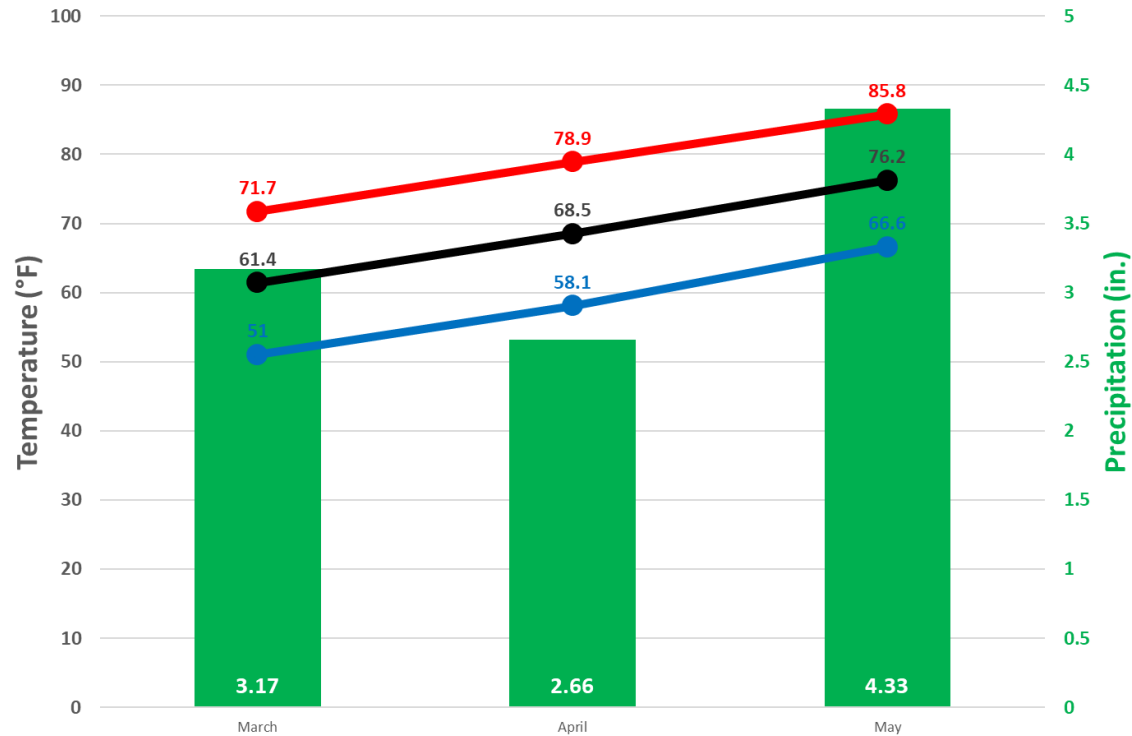
Blue Line: Average
Min Temperature



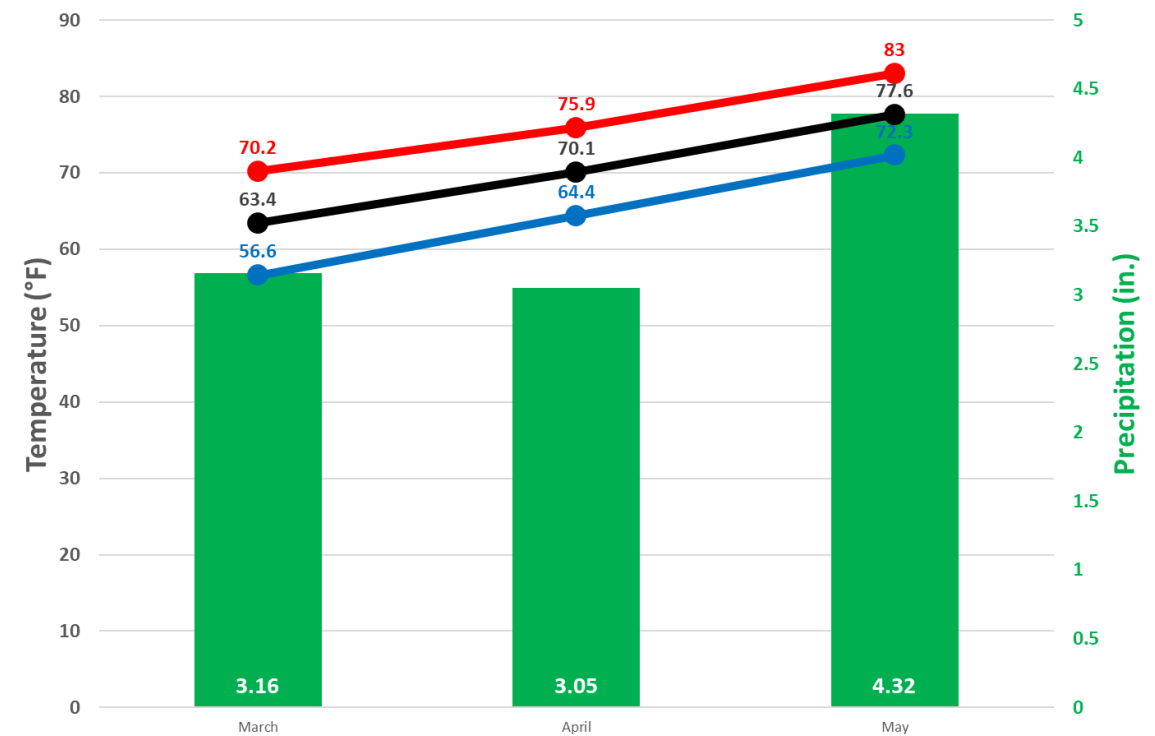
Spring Climatology (March – May)

14

City of College Station: Spring Climatology



City of Galveston: Spring Climatology



Legend

Green Bar: Average
Precipitation

Red Line: Average
Max Temperature

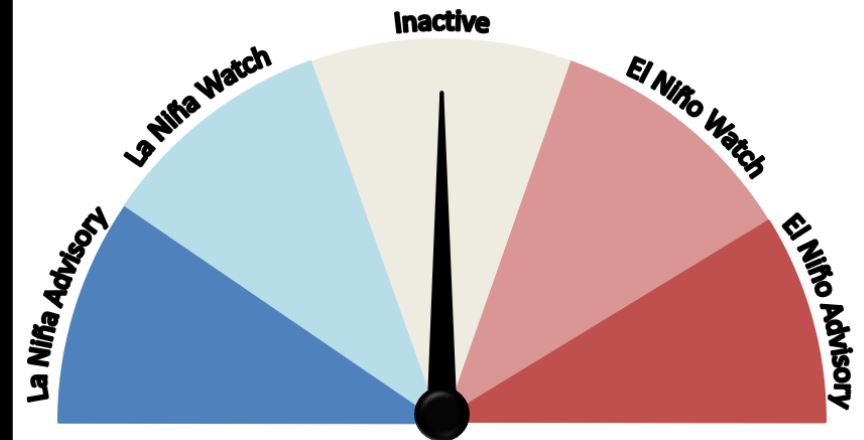
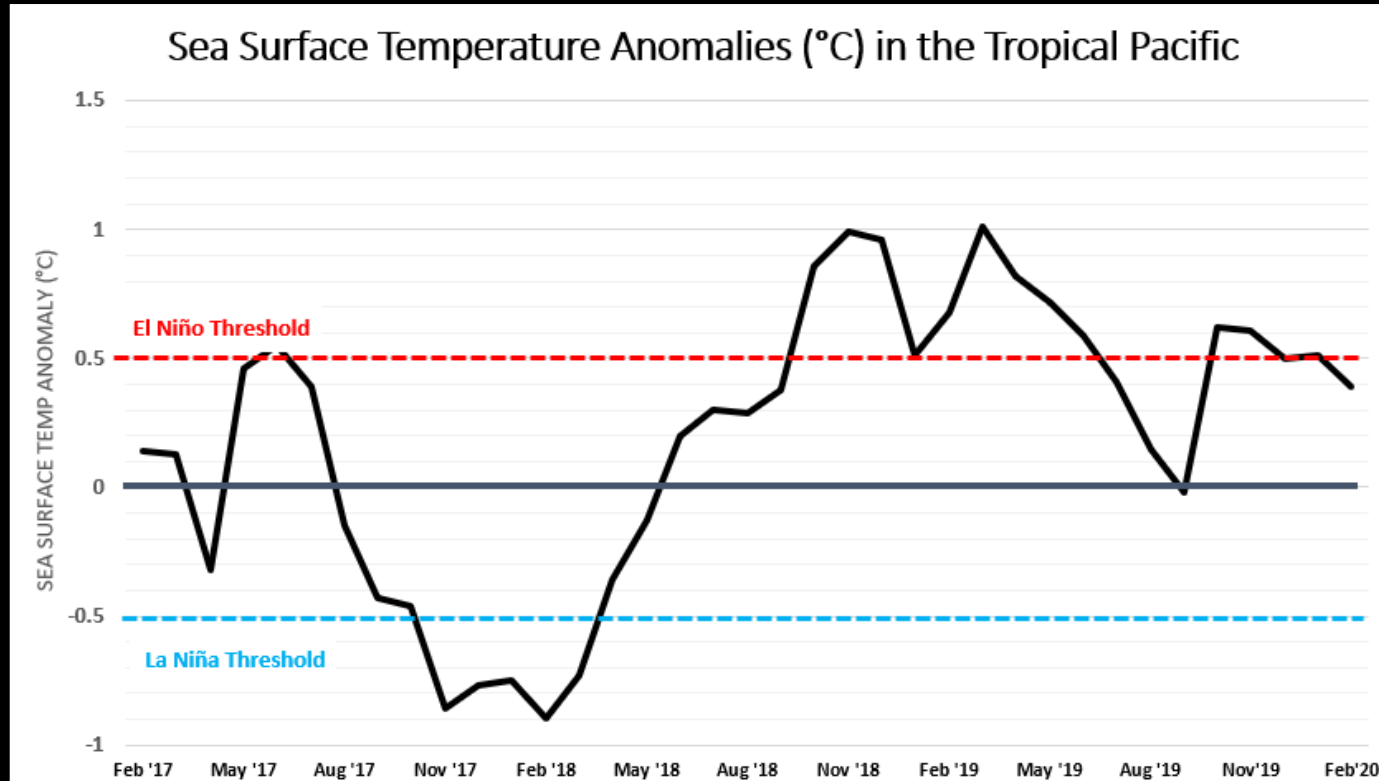
Black Line: Average
Temperature

Blue Line: Average
Min Temperature



The Climate Prediction Center's ENSO Forecast: ENSO-Neutral Continues

- There is a 60% chance of ENSO-Neutral conditions continuing through the spring
- There is a 50% chance of ENSO-Neutral conditions continuing through the summer



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.

