

# NWS Houston, Texas November 2023 Regional Climate Summary

**Produced by Jimmy Fowler**

## ***...Near to Slight Below Normal Temperatures...More Drought Improvements...***

*Multiple cold fronts moved through the area during the month of November leading to near to slightly below cooler than normal temperatures. The coolest temperatures were experienced along the coastal counties where the highest rainfall totals fell. Areas along and south of I-10 received around three to six inches of rain fall, while areas to the north ranged from one to three inches. Drought conditions further improved across the region with now only portions of Chambers and Liberty counties in the Extreme Drought (D3) category.*

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# By the Numbers: November 2023



Location (records started)	Average Temp	Ranking	Total Rainfall	Ranking
City of Houston, TX (1888)	61.3°F	63 <sup>rd</sup> Coolest	2.36"	54 <sup>th</sup> Driest
Houston Hobby, TX (1930)	62.9°F	52 <sup>nd</sup> Coolest	4.36"	35 <sup>th</sup> Wettest
City of Galveston, TX (1871)	64.2°F	68 <sup>th</sup> Warmest	5.37"	34 <sup>th</sup> Wettest
City of College Station, TX (1882)	61.2°F	47 <sup>th</sup> Warmest	0.94"	19 <sup>th</sup> Driest
Palacios, TX (1943)	62.5°F	51 <sup>st</sup> Warmest	5.39"	13 <sup>th</sup> Wettest
Huntsville, TX (1997)	59.4°F	8 <sup>th</sup> Coolest	2.03"	10 <sup>th</sup> Driest
Sugar Land, TX (2000)	61.9°F	9 <sup>th</sup> Coolest	3.11"	9 <sup>th</sup> Wettest
Conroe, TX (1997)	58.1°F	9 <sup>th</sup> Coolest	2.14"	6 <sup>th</sup> Driest
Clover Field (Pearland), TX (1997)	62.0°F	9 <sup>th</sup> Coolest	4.81"	9 <sup>th</sup> Wettest
David Wayne Hooks (Tomball), TX (1998)	61.0°F	13 <sup>th</sup> Coolest	2.93"	15 <sup>th</sup> Wettest
Angleton, TX (1998)	61.2°F	7 <sup>th</sup> Coolest	4.51"	8 <sup>th</sup> Wettest
League City, TX (1990)	61.2°F	13 <sup>th</sup> Coolest	6.75"	7 <sup>th</sup> Wettest



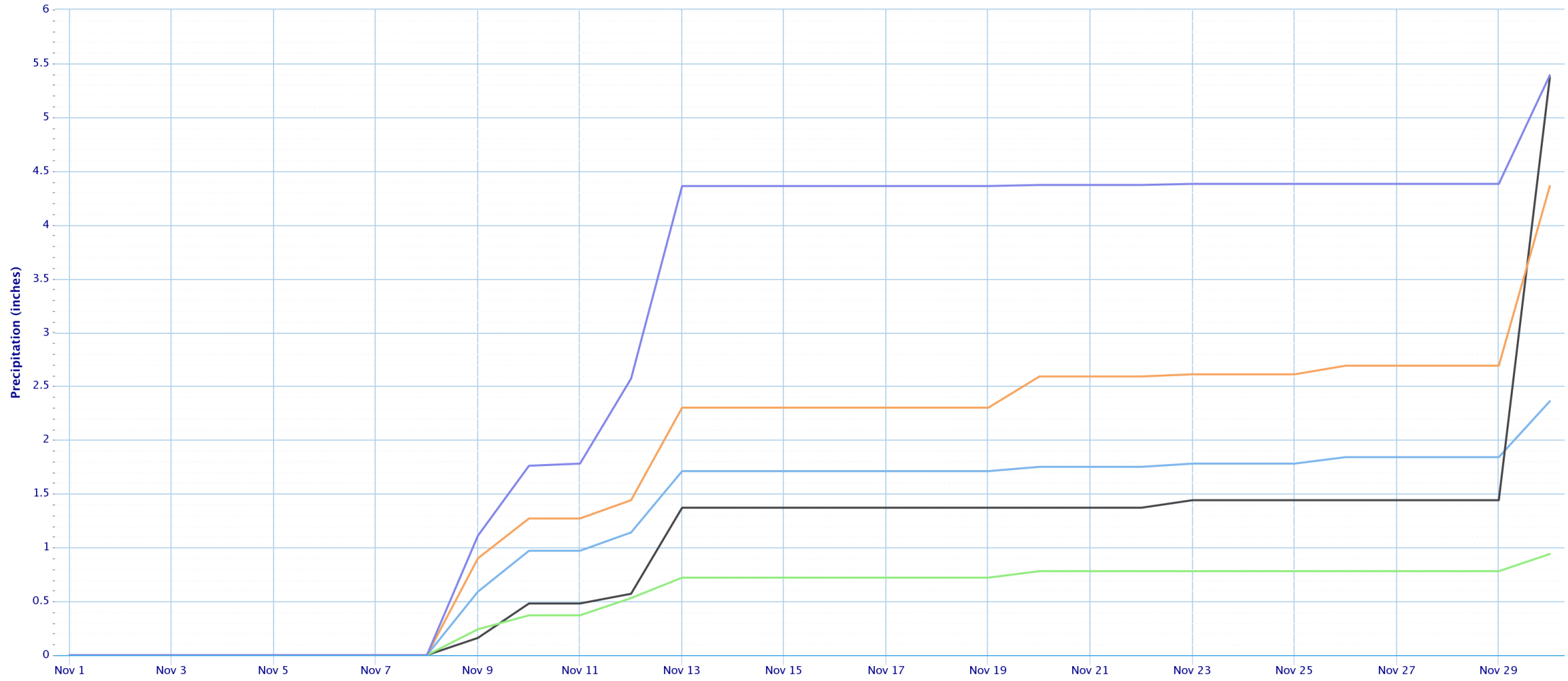
# Precipitation

Location	Total Precipitation (in.)	Departure from Normal (in.)	Number of Thunder Days	Maximum Daily Precipitation (in./date)	
Galveston (GLS)	5.37	+1.09	1	3.93	30 <sup>th</sup>
Houston Hobby (HOU)	4.36	+0.46	1	1.67	30 <sup>th</sup>
City of Houston (IAH)	2.36	-1.51	0	0.59	9 <sup>th</sup>
College Station (CLL)	0.94	-2.37	0	0.24	9 <sup>th</sup>
Palacios (PSX)	5.39	+2.00	1	1.11	9 <sup>th</sup>

# Precipitation Accumulation Graph

### Accumulated Precipitation

Green/black diamonds represent subsequent/missing values



City of Houston

City of Galveston

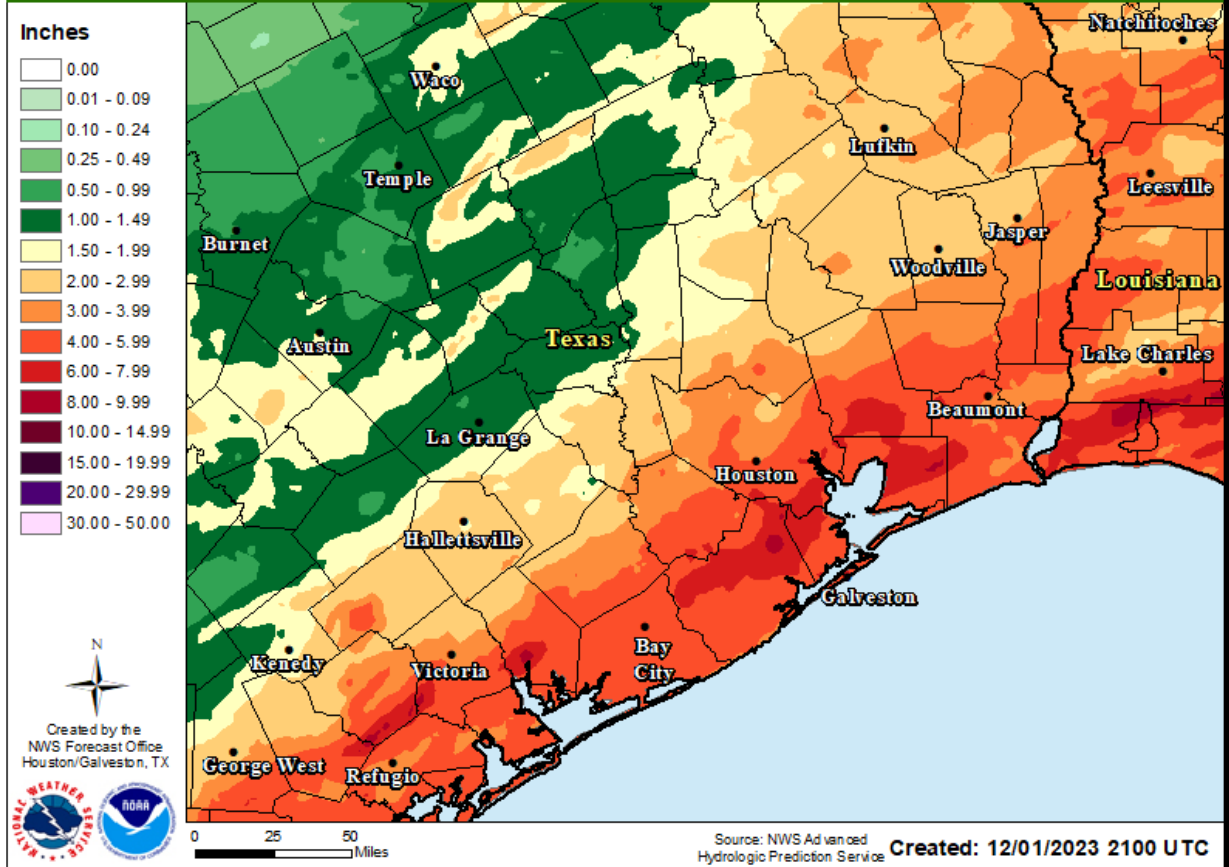
City of College Station

Houston-Hobby

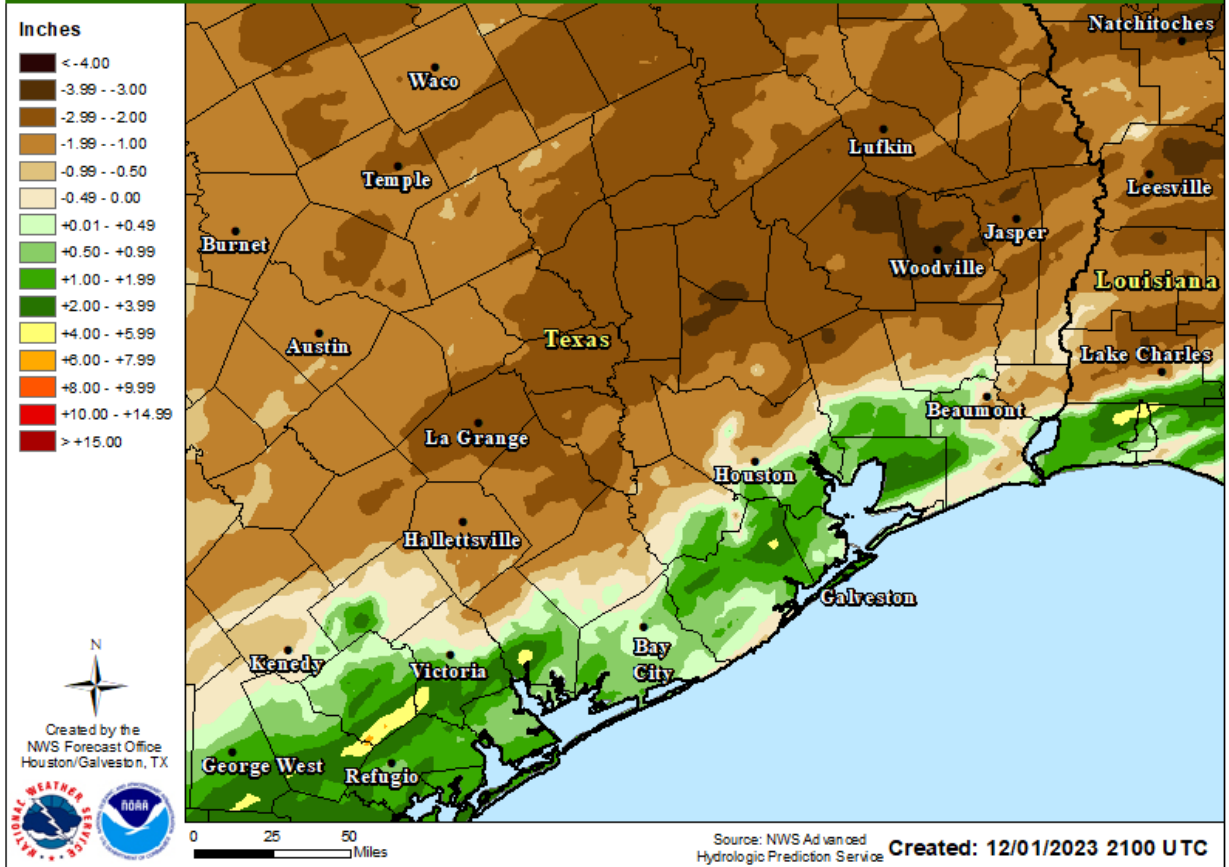
Palacios

# Precipitation Maps

### Total Monthly Precipitation - November 2023



### Total Monthly Precipitation Departure From Normal - November 2023



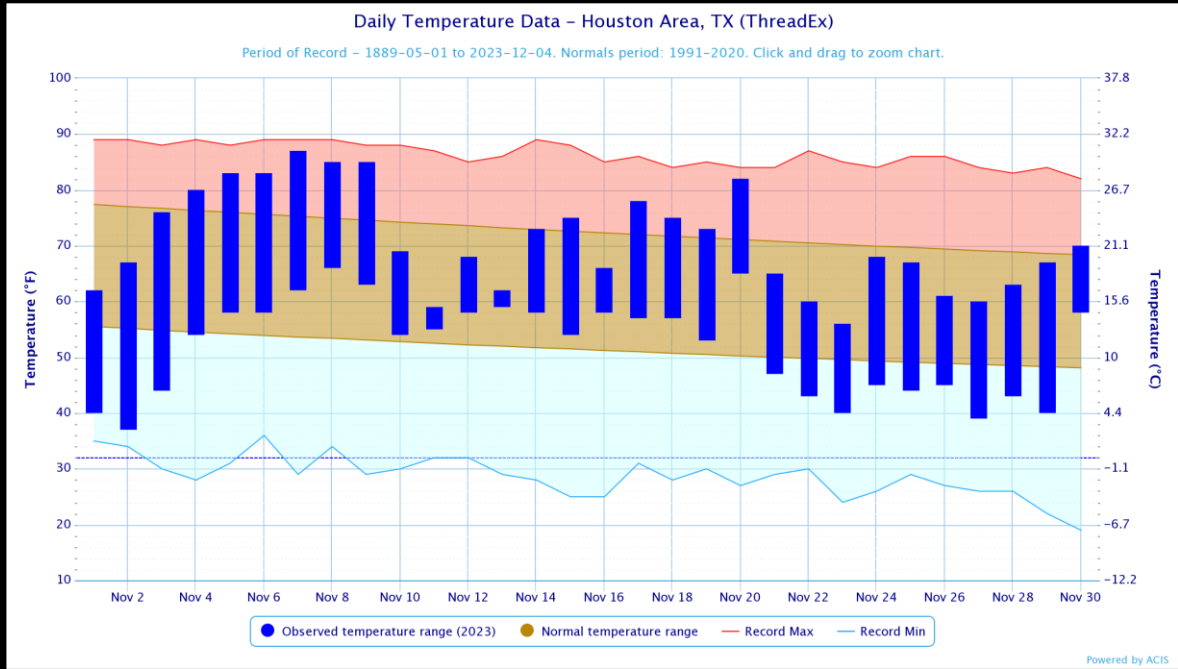
# Temperature

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)	69.6	58.7	64.2	<b>-1.3</b>	82 on the 7 <sup>th</sup> 8 <sup>th</sup> & 9 <sup>th</sup>	46 on the 27 <sup>th</sup>
Houston Hobby (HOU)	70.9	55.0	62.9	<b>-0.4</b>	86 on the 7 <sup>th</sup> & 8 <sup>th</sup>	42 on the 2 <sup>nd</sup>
City of Houston (IAH)	70.8	51.8	61.3	<b>-0.07</b>	87 on the 7 <sup>th</sup>	37 on the 2 <sup>nd</sup>
College Station (CLL)	70.3	52.2	61.2	<b>+0.08</b>	89 on the 7 <sup>th</sup>	36 on the 27 <sup>th</sup>
Palacios (PSX)	70.4	54.6	62.5	<b>-2.1</b>	83 on the 9 <sup>th</sup>	37 on the 1 <sup>st</sup>

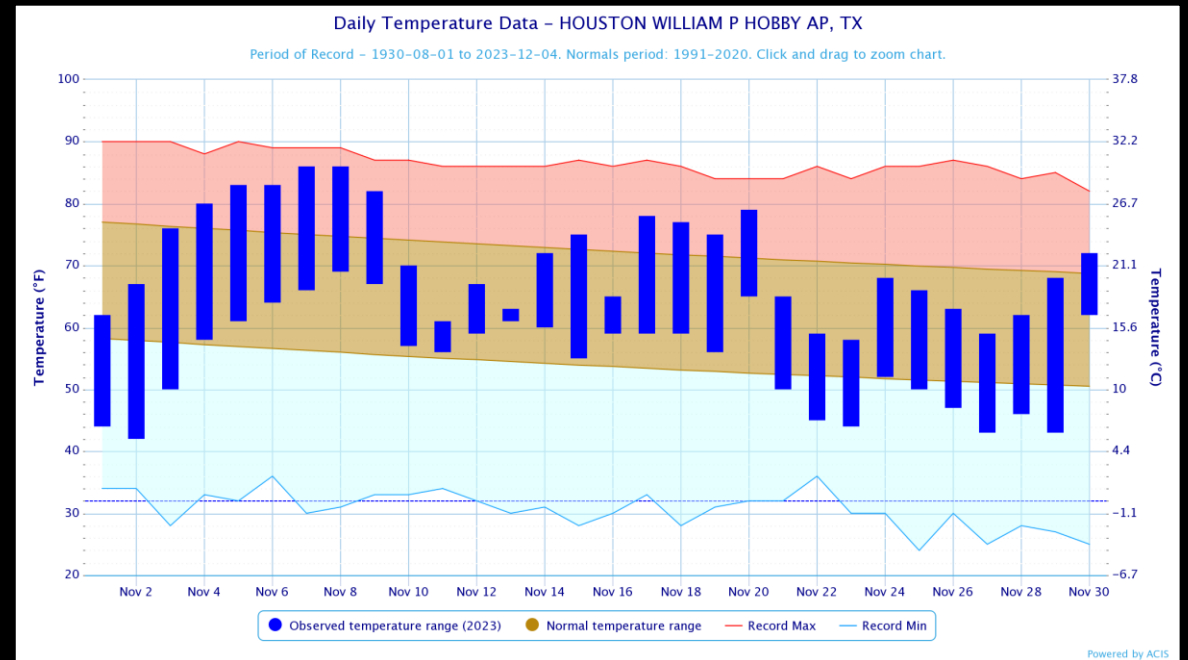


# Temperature Charts

## City of Houston



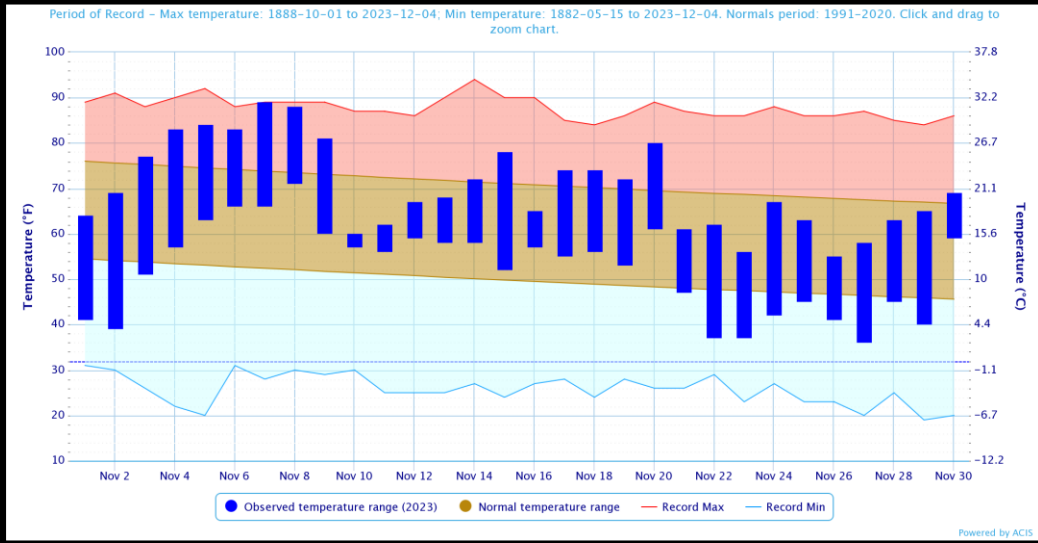
## Houston-Hobby



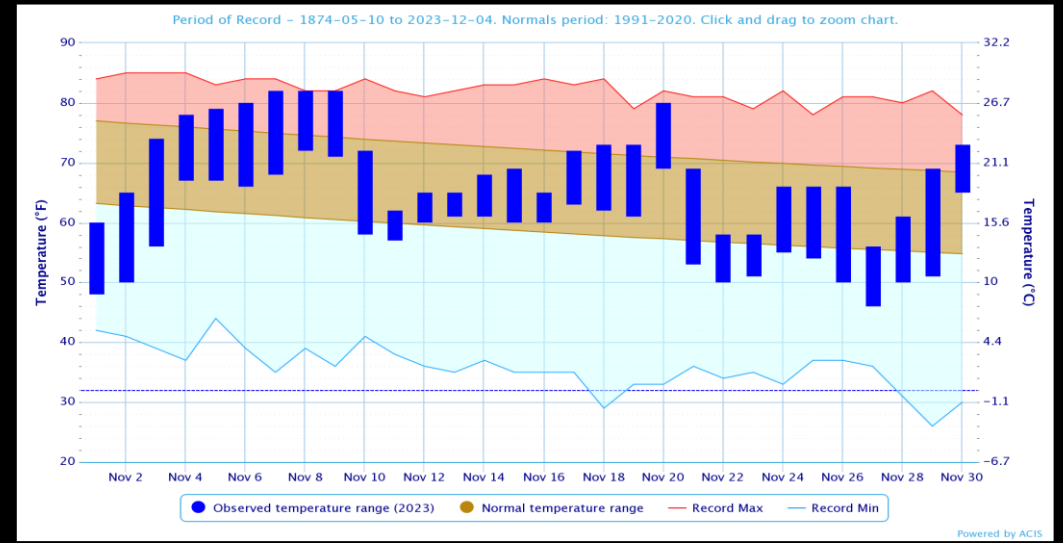


# Temperature Charts

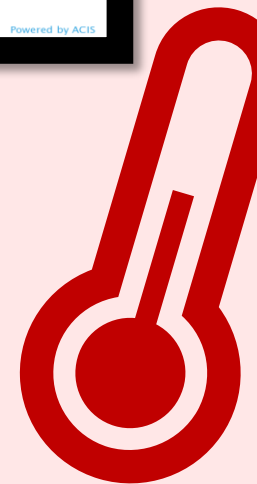
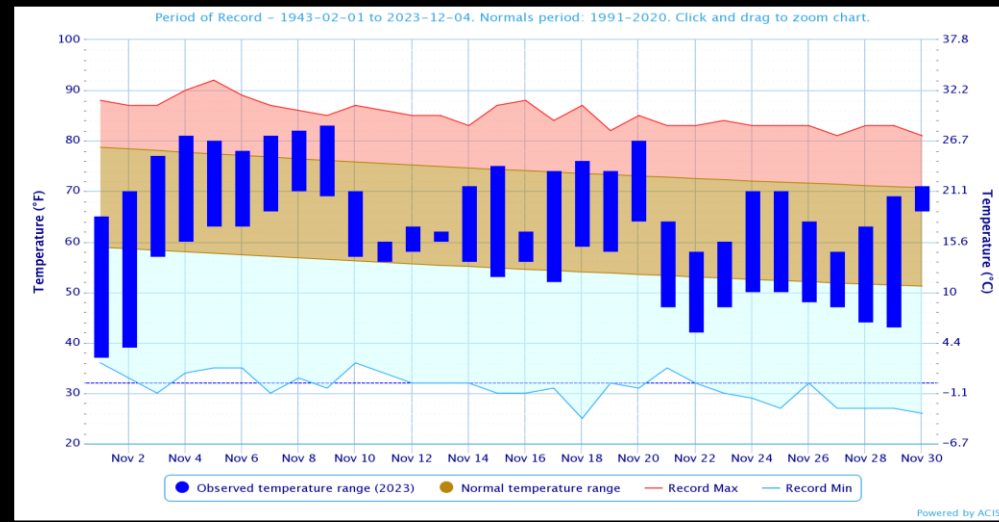
## City of College Station



## City of Galveston



## Palacios



# Daily Record Reports – City of College Station

Date	Record Type	New Record	Previous Record
7 <sup>th</sup>	High Maximum	89°F	88°F in 1915
8 <sup>th</sup>	High Minimum	71°F – T	71°F in 2005

There were 2 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
No Daily Records			

There were 0 daily record 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
30 <sup>th</sup>	Daily Precip	1.67"	1.05" in 1982

There was 1 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
8 <sup>th</sup>	High Maximum	82°F – T	82°F in 2018
9 <sup>th</sup>	High Maximum	82°F – T	82°F in 2005
30 <sup>th</sup>	Daily Precip	3.93"	1.40" in 1921

There were 3 daily records set at Houston-Hobby this month.



High Max

Low Max

Precip

Snow

High Min

Low Min



Key

# Daily Record Reports – Palacios

Date	Record Type	New Record	Previous Record
No Daily Records			

There were 0 daily records set at Palacios this month.



High Max

Low Max

Precip

Key

Snow

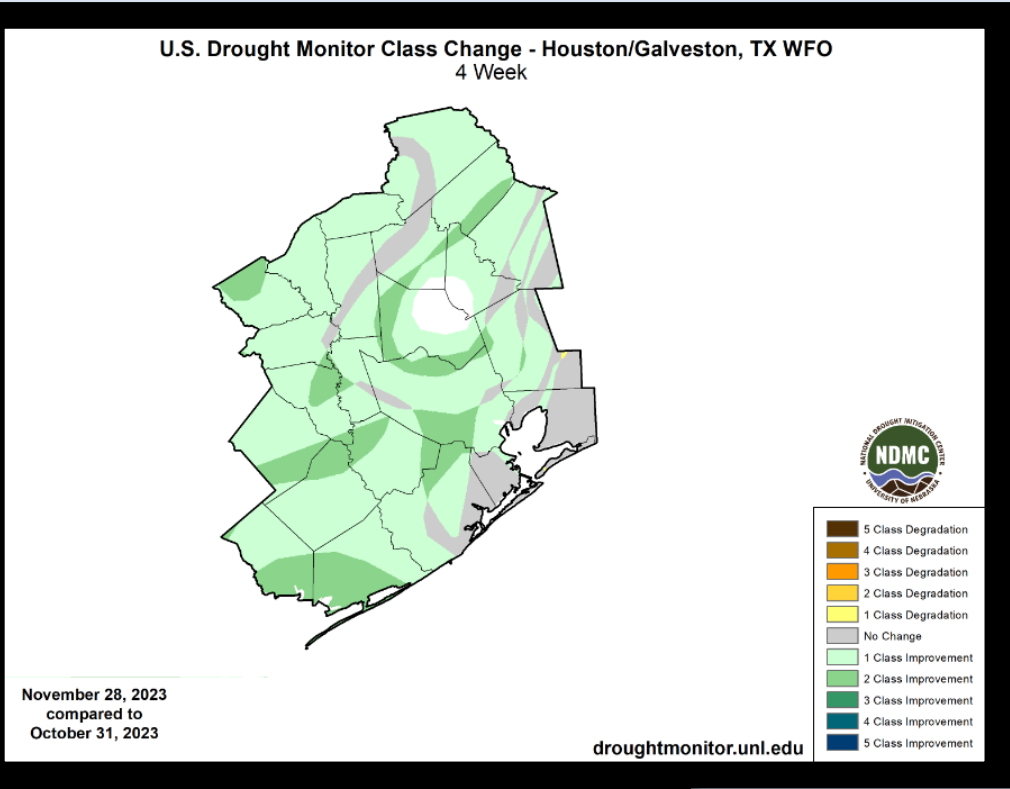
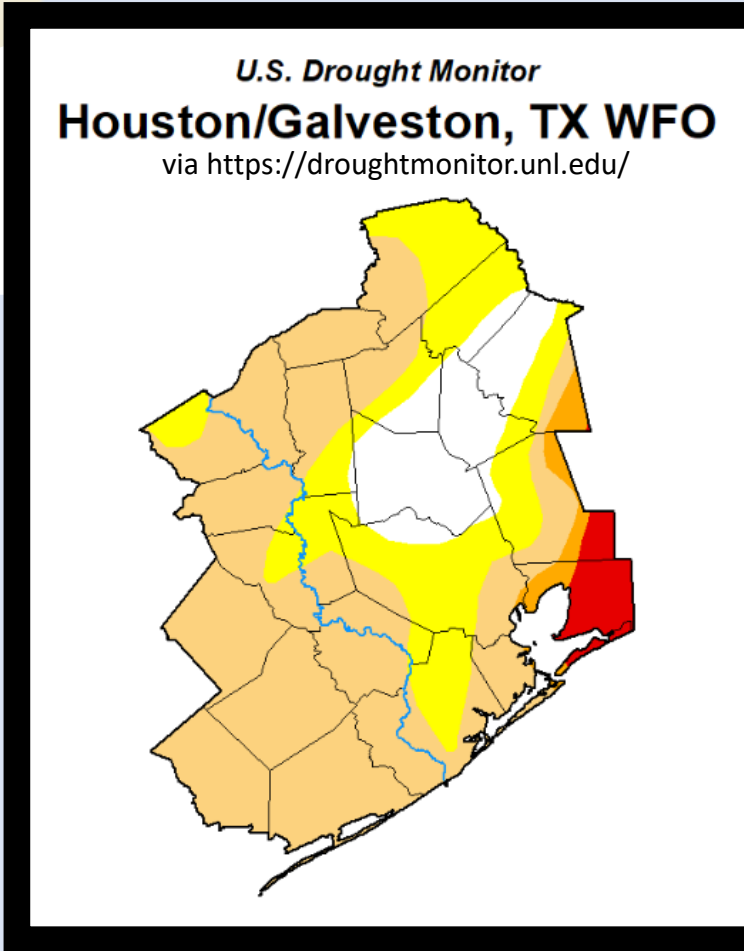
High Min

Low Min



# Drought Monitor

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



**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>*

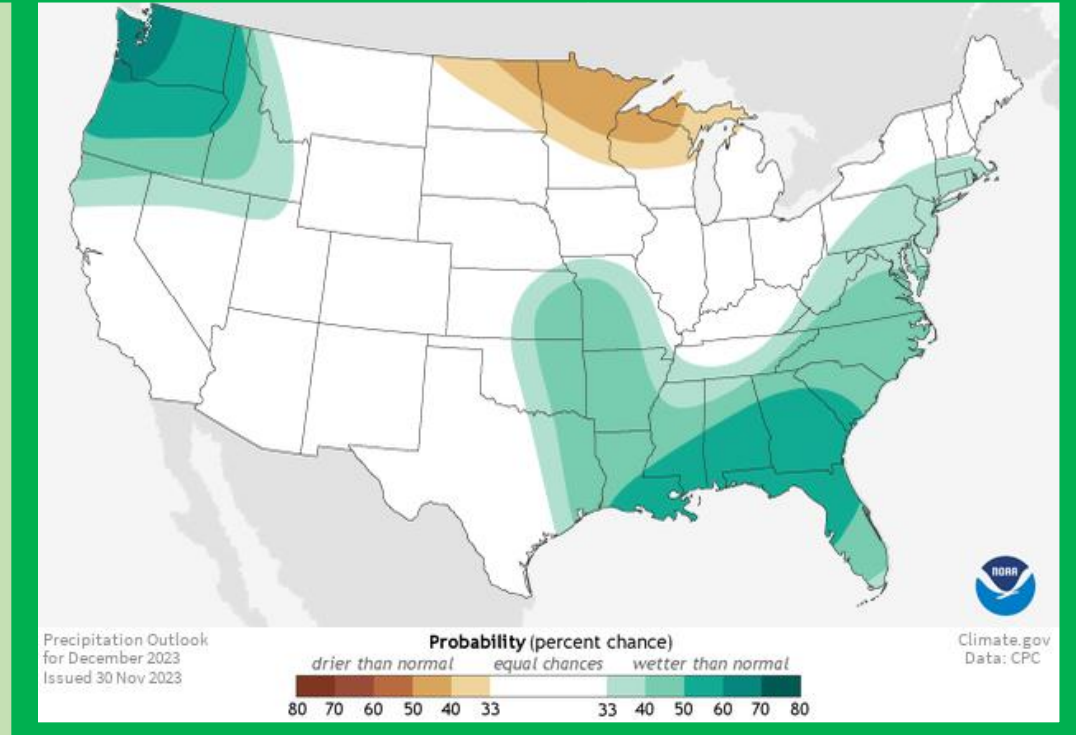
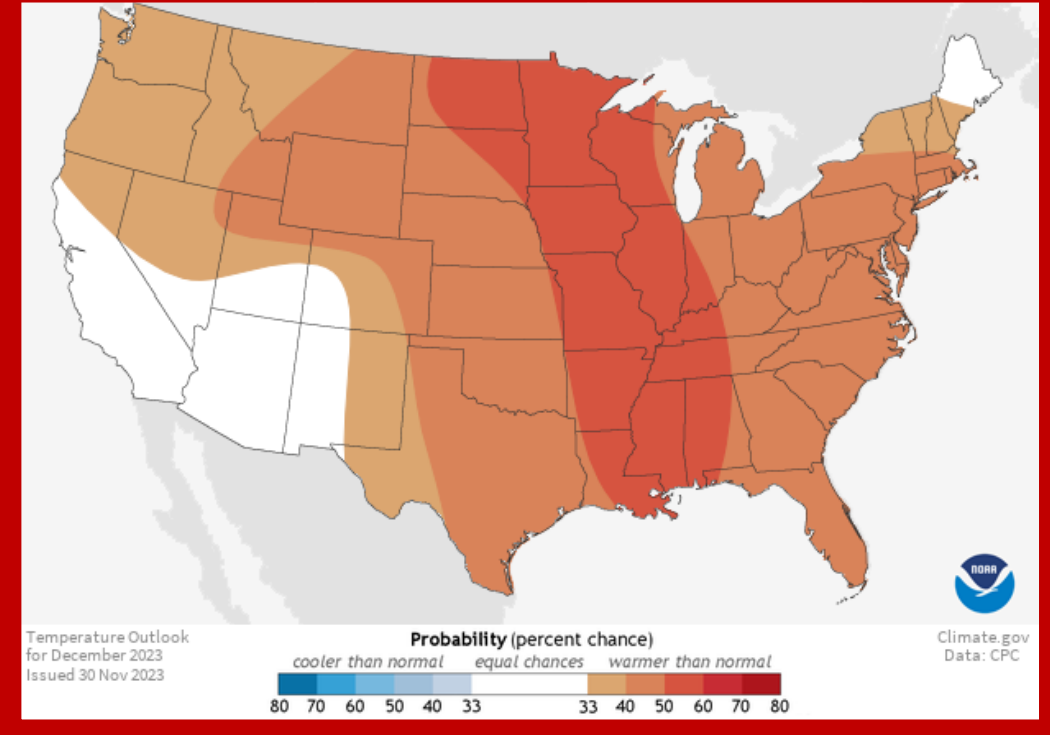




# December Outlook

Location	Average Temp(°F)	Normal High (°F)	Normal Low (°F)
Galveston	58.5	65.5	51.6
Houston Hobby	56.9	65.7	48.0
City of Houston	55.4	65.3	45.6
College Station	53.1	63.4	42.8
Palacios	58.0	67.8	48.2

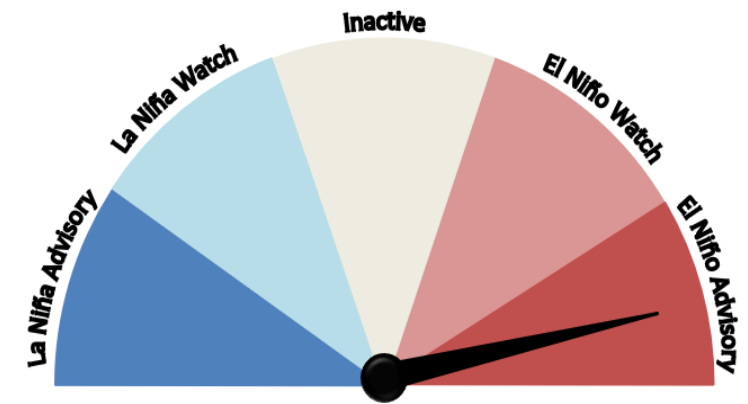
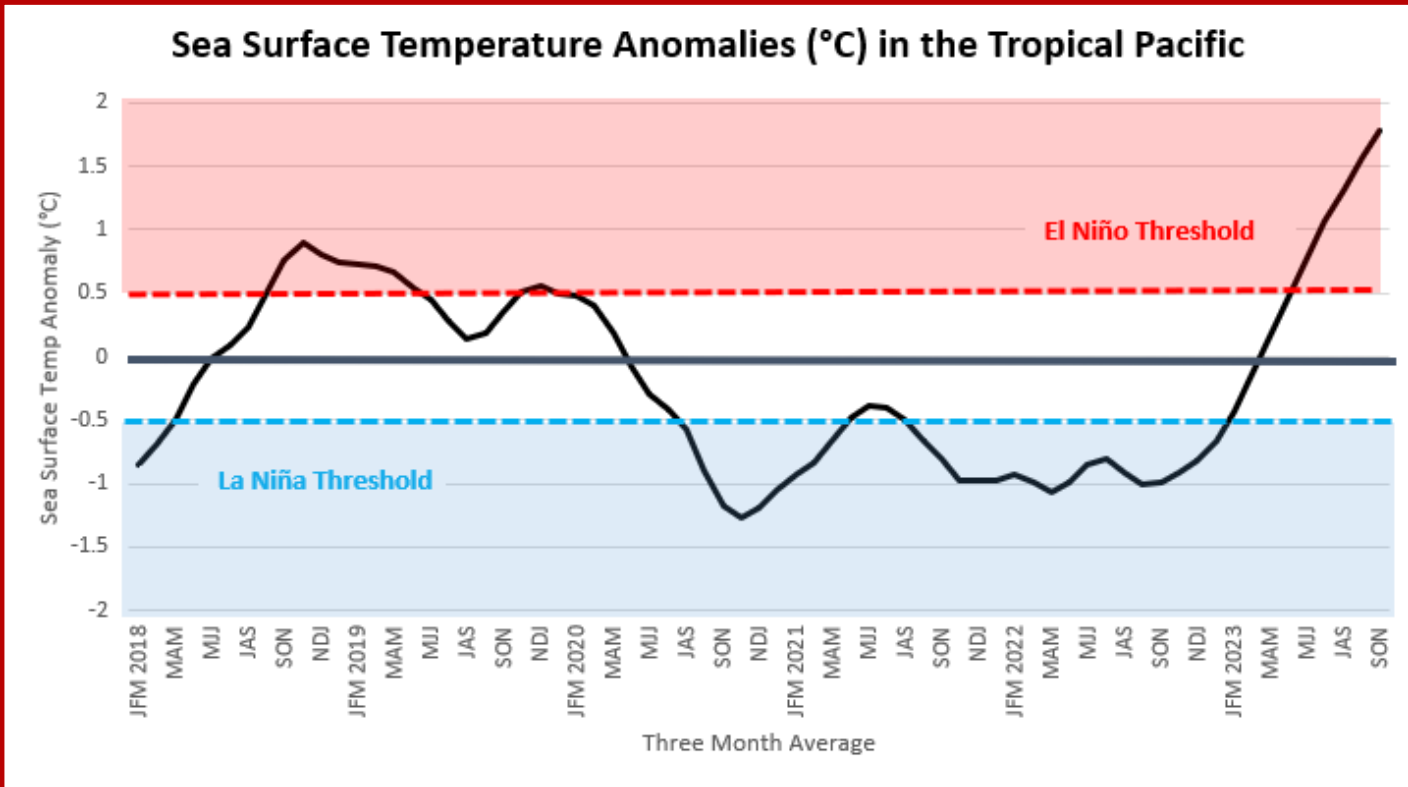
Location	Normal Monthly Precipitation (in.)
Galveston	4.23
Houston Hobby	4.34
City of Houston	4.03
College Station	3.71
Palacios	2.98



## Current ENSO Phase: El Niño

### The Climate Prediction Center's ENSO Forecast: El Niño Advisory

- El Niño conditions are present and are expected to continue through Spring.



**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).*

## 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.*

