

NWS Houston, Texas Annual 2022 Regional Climate Summary

Produced by Jimmy Fowler









Cover Page Photo Credit

The photographs used on the cover of this Annual SE TX Regional Climate Summary, were all taken within the HGX County Warning area during each month of the year. The top left picture on row one starts January and then from left to right we move through the calendar year with the last photograph on the bottom right representing December. NWS Houston Galveston was given permission by the following photographers to use these pictures.

<u>Month</u>	<u>Photographer</u>
January	Jimmy Fowler
February	Jimmy Fowler
March	Jimmy Fowler
April	Jimmy Fowler
May	Dan Reilly
June	Jimmy Fowler
July	Janice Maldonado
August	Jimmy Fowler
September	Jimmy Fowler
October	Cameron Batiste
November	Andy McNeel
December	Cameron Batiste



Table of Contents

AND ATMOSPA

Page Number	Page Title	
4 – 6	Yearly Temperature and Precipitation Graphs	
7 – 8	Significant Annual Statistics	
9	2021 Daily Records	
10 - 11	January	
12 – 13	February	
14 – 16	March (Weather Event: Tornado Outbreak)	
17 – 18	April	
19 – 20	May	
21 – 22	June	
23 – 24	July	
25 – 26	August	
27 – 28	September	
29 – 30	October	
31 – 32	November	
33 – 34	December	
35	Drought Evolution	
36	Tropical Season Review	
37	Climate Primary Site History	

NEATHER TOTON

Yearly Temperature and Precipitation Graphs



Observed temperatures are shown by the dark blue areas, normals with the light green areas, record highs in the light red areas, and record lows in the light blue areas. The bottom portion of the graph indicates the precipitation for the year to date. Periods that have year to date totals above the climatological normals are dipicted by dark green areas. Periods that are below normal are represented by the brown areas.

Yearly Temperature and Precipitation Graphs



Observed temperatures are shown by the dark blue areas, normals with the light green areas, record highs in the light red areas, and record lows in the light blue areas. The bottom portion of the graph indicates the precipitation for the year to date. Periods that have year to date totals above the climatological normals are dipicted by dark green areas. Periods that are below normal are represented by the brown areas.

Yearly Temperature and Precipitation Graphs

- Starting in July of this year, we started issuing daily climate reports and records for Palacios Municipal Airport (PSX).
- Records for the Palacios are from observations taken at the following locations:
 - Palacios Army Airfield was constructed in February 1943
 - The army air base became the Palacios Municipal Airport in 1965



Observed temperatures are shown by the dark blue areas, normals with the light green areas, record highs in the light red areas, and record lows in the light blue areas. The bottom portion of the graph indicates the precipitation for the year to date. Periods that have year to date totals above the climatological normals are dipicted by dark green areas. Periods that are below normal are represented by the brown areas.

Significant Annual Statistics – Temperature

Hig	hest Max Tempera	tures			Lowest Max Temperatures			
City of College Station	111°F	J	uly 10 th		City of College Station	31°F	December 23 rd	
City of Houston	105°F	July 10 th			City of Houston	32°F	December 23 rd	
Houston-Hobby	104°F	J	uly 10 th		Houston-Hobby	34°F	Feb 4 th & Dec 23 rd	
City of Galveston	97°F	June	19 th & 20 th		City of Galveston	34°F	December 23 rd	
Palacios	97°F	6/27,6/	/28, 8/11, 9/26		Palacios	33°F	December 23 rd	
			Annual Averag	ge '	Temperatures			
	City of College	City of College Station 70.9°F			5 th Warmest on Reco	rd (Tie with 2020)		
	City of Hou	iston	70.8°F		19 th Warmest on Reco	rd (Tied with 2018)		
	Houston-H	obby	71.2°F		8 th Warmest Year	on Record		
	City of Galv	eston	73.5°F		4 th Warmest Year	on Record		
	Palacio	S	71.8°F		10 th Warmest on Reco	ord (Tie with 2021)		
Hig	ghest Min Tempera	tures			Lov	west Min Temperat	ures	
City of College Station	81°F	Ju	ly 11 th		City of College Station	14°F	December 23 rd	
City of Houston	83°F	Ju	ly 11 th		City of Houston	15°F	December 23rd	
Houston-Hobby	82°F	July 1	1 th & 12 th	Houston-Hobby		17°F	December 23 rd	
City of Galveston	86°F	12 Days –	12 Days – latest Aug 4th		City of Galveston	21°F	December 23 rd	
Palacios	86°F	Aug	2 nd & 3 rd		Palacios	18°F	December 23 rd	

Significant Annual Statistics – Precipitation

8

Annual Total Precipitation

		City of Colle Station	ege		35.12″			41 st Driest		
		City of Hous	City of Houston)"		47 th Driest		
		Houston-Ho	bby	32.29")"	5 th Driest (Tied with 1963)	
		City of Galveston		38.32″			50 th Driest			
		Palacios		34.08″			20 th Driest			
	Gr	eatest One Day To	otal		Wettest Month					
	City of College Station			ary 31 st		City of Colle Station		5.54"	December	
	City of Houston	3.87″	Janu	ary 9 th		City of Hou	uston	9.42″	January	
	Houston-Hobby	2.26"	Octob	per 28 th		Houston-H	lobby	7.21″	November	
, AND ATM NO		2.68"	Septer	nber 3 rd		City o Galvest		8.20"	November	
PARTMENT	Palacios	7.31"	Janua	ary 31 st		Palacio	DS	8.69"	January	

2022 Daily Records

Record	High Max Temperature	Low Max Temperature	High Min Temperature	Low Min Temperature	Precipitation	Snowfall	Total	Percentag
City of College Station	28	1	19	0	1	0	32	Low 0%
City of Houston	13	1	19	0	1	0	34	
Houston- Hobby	28	1	19	0	1	0	49	
City of Galveston	43	0	70	0	0	0	113	
Palacios*	6	1	21	1	0	0	29	
Total	102	3	146	1	5	0	257	
								High Min





*Palacios Daily Records did not start until July.

9

January 2022

10

Some of the extreme warmth from the end of 2021 lingered into this year with the first day of January seeing all-time record highs for the month for most of the area. A cold front on January 2nd brought cooler conditions for the region, and then a series of cold front through the rest of the month kept the monthly average close to normal. Some locally heavy rain accompanied the cold fronts with daily record rainfall seen in College Station (1/31), Houston (1/9), and Houston-Hobby (1/8). The rainfall was fairly scattered, so while Harris County and areas eastward saw drought improvement, the rest of the region experienced drought expansion.

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)	65.5	49.6	57.6	56.0	+1.6	81 on the 1 st	35 on the 22 nd
Houston Hobby (HOU)	65.9	45.0	55.5	55.0	+0.5	85 on the 1 st	33 on the 3 rd
City of Houston (IAH)	64.5	41.1	52.8	53.8	-1.0	85 on the 1 st	30 on the 22 nd
College Station (CLL)	62.8	38.4	50.6	51.5	-0.9	83 on the 1 st	26 on the 2 nd & 3 rd

January 2022

Location

Galveston (GLS)

Houston Hobby (HOU)

City of Houston (IAH)

College Station

(CLL)

	Total Precipitation (in.)	Departure from Normal (in.)	Number of Thunder Days	Maximum Daily Precipitation (in./date)							
	2.00	-2.30	3	0.73	31 st						
	3.22	-0.87	3	1.21	31 st						
	9.42	+5.66	3	3.87	9 th						

1



4.23

+0.80



3.40



31st

11



February 2022

12

This past February ended up cooler and drier than normal with average temperatures running around four to six degrees below normal and one to two inches of precipitation below normal. Even though we experienced a much cooler than normal month on average, we only set three daily temperature records and two of those were related to record warm temperatures. The continued dry weather did result in drought degradation for the region.

7	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)	63.6	48.4	56.0	59.3	-3.3	83 on the 17 th	32 on the 4 th
	Houston Hobby (HOU)	63.9	41.6	52.8	58.8	-6.0	83 on the 21 st	27 on the 4 th & 5 th
-	City of Houston (IAH)	63.6	40.1	51.9	57.7	-5.8	83 on the 21 st	27 on the 4th 5 th , & 6 th
AND STRATTON	College Station (CLL)	61.9	37.4	49.6	55.3	-5.7	84 on the 21 st	22 on the 5 th

February 2022

ND ATMOSP

NOAA

ARTMENT OF CO

Location	Total Precipitation (in.)	Departure from Normal (in.)	Number of Thunder Days	Maximum Daily Preci	pitation (in./date)
Galveston (GLS)	0.68	-1.46	1	0.27	1 st
Houston Hobby (HOU)	0.78	-2.07	1	0.52	3 rd
City of Houston (IAH)	1.23	-1.74	1	0.45	17 th
College Station (CLL)	2.28	-0.62	1	1.09	17 th







March 2022

14

The first few weeks of March experienced below average precipitation and temperatures. A few cold fronts moved through the region during the month bringing isolated moisture and continued cool weather. Strong thunderstorms moved through the area during the overnight hours between the 21st and 22nd producing locally heavy rainfall for areas north of I-10 (City of Houston saw about 50% of the monthly total precipitation during this event) and also produced seven tornadoes.

Location	Average High Temp (F)	Average Low Temp (F)	Average Temp (F)	Normal Average Temp (F)	Departure From Normal Average (F)	Maximum Temperature (F)	Minimum Temperature (F)
Galveston (GLS)	72.9	57.5	65.2	65.2	0.0	86 on the 30 th	40 on the 12 th
Houston Hobby (HOU)	74.2	51.7	63.1	64.7	-1.6	85 on the 26 th & 27 th	32 on the 12 th
City of Houston (IAH)	74.6	49.5	62.0	63.8	-1.8	86 on the 26 th & 27 th	32 on the 12 th & 13 th
College Station (CLL)	74.5	48.5	61.5	62.1	-0.6	87 on the 26 th	29 on the 12 th



March 2022

D ATMOSP

NOAA

ARTMENT OF CO

Location	Total Precipitation (in.)	Departure from Normal (in.)	Number of Thunder Days	Maximum Daily Preci	pitation (in./date)
Galveston (GLS)	1.29	-1.73	3	0.42	22 nd
Houston Hobby (HOU)	2.46	-0.82	3	1.24	22 nd
City of Houston (IAH)	2.87	-0.60	4	1.40	22 nd
College Station (CLL)	3.56	+0.15	4	1.18	22 nd







March 21 – 22 Tornado Outbreak

16

NATIONAL WEATHER SERVICE

Preliminary Storm Information

3/21/2022 - 3/22/2022

Seven Tornadoes Identified during this Event:

- EF0 in Snook:
 - 08:35 PM 08:36 PM CDT
- EF0 NE of Snook:
 - 8:40 PM CDT
- EF1 E of Wixon Valley:
 - 9:05 PM 9:05 PM CDT
- EF1 in Madisonville:
 - 9:35 PM 9:42 PM CDT
- EF2 in Crockett:
 - 10:10 PM 10:30 PM CDT
- EF1 in Beasley:
 - 5:35 AM 5:37 AM CDT
- EF0 in Danbury:
 - 7:21 AM CDT



More info available at www.weather.gov/hgx/20220321-tornadooutbreak

April 2022



April 2022 was an exceptionally warm month for most of the area with average temperatures between three and five degrees above normal. City of College Station had its seventh warmest April on record, Houston-Hobby had its fourth, and Galveston (with records going back to 1871) experienced it warmest April on record. There was not much precipitation experienced during the month on April expect on 25th when some slow moving thunderstorms were able to produce two to four inches of rain across the northern portions of the region. This single day was responsible for 87% of the month total for the City of Houston, 90% at both Houston-Hobby and Galveston, and 95% at the City of College Station. During this heavy rain event, the southeastern portions of the region were not as lucky to experience rainfall (Palacios experienced its third driest April on record, with records going back to 1943). Because of this continued lack of rainfall, Extreme Drought conditions have begun to develop across portions of Jackson, Matagorda, and Chambers counties.

	Location	Average High Temp (F)	Average Low Temp (F)	Average Temp (F)	Normal Average Temp (F)	Departure From Normal Average (F)	Maximum Temperature (F)	Minimum Temperature (F)
	Galveston (GLS)	81.1	69.9	75.5	71.5	+4.0	88 on the 6 th	57 on the 9 th
	Houston Hobby (HOU)	82.6	65.2	73.9	70.5	+3.4	88 on the 30 th	47 on the 9 th
-	City of Houston (IAH)	82.6	63.0	72.8	70.0	+2.8	90 on the 5 th	44 on the 9 th
C POMINISTRATION 30	College Station (CLL)	83.3	62.5	72.9	68.7	+4.2	92 on the 5 th & 13 th	44 on the 9 th



April 2022

ND ATMOSP

NOAA

TMENT OF

Loca	ation	Total Precipitation (in.)	Departure from Normal (in.)	Number of Thunder Days	Maximum Daily Preci	pitation (in./date)	
	eston iLS)	2.01	-0.05	2	1.80	25 th	
	n Hobby OU)	1.72	-0.08	3	1.54	25 th	
-	Houston AH)	1.99	-0.06	2	1.72	25 th	
_	e Station CLL)	2.75	-0.12	2	2.60	25 th	
	Inches						









The very warm conditions that the region experienced during the month of April extended into May and then some. Most of the region say its warmest May on record with Galveston and Palacios about three degrees warmer than the previous warmest years. Only two sites were not the warmest Mays on record, Cities of Houston and College Station, but they both were within a half a degree of the warmest. There were 66 daily temperature records set this month, and 33 of them were set at Galveston.

The Climate Prediction Center put out its Atlantic Hurricane Season Outlook for 2022 and are predicting above-average hurricane activity this year.

	Location	Average High Temp (F)	Average Low Temp (F)	Average Temp (F)	Normal Average Temp (F)	Departure From Normal Average (F)	Maximum Temperature (F)	Minimum Temperature (F)
	Galveston (GLS)	88.0	77.9	83.0	78.2	+4.8	93 on the 27 th	68 on the 25 th
	Houston Hobby (HOU)	90.1	72.8	81.5	77.6	+3.9	95 on the 27 th	63 on the 26 th
	City of Houston (IAH)	90.1	71.7	80.9	77.4	+3.5	95 on the 18 th & 27 th	61 on the 26 th
TRATION	College Station (CLL)	91.6	71.3	81.5	76.4	+5.1	98 on the 18 th & 21 st	60 on the 26 th





ND ATMOSP

NOAA

ARTMENT OF CO

Location	Total Precipitation (in.)	Departure from Normal (in.)	Number of Thunder Days	Maximum Daily Precipitation (in./date)	
Galveston (GLS)	2.99	-0.05	5	1.28	22 nd
Houston Hobby (HOU)	3.08	-2.34	5	1.02	22 nd
City of Houston (IAH)	4.30	-0.71	5	1.32	25 th
College Station (CLL)	2.46	-2.14	6	0.93	5 th







June 2022

21

Another exceptionally dry and warm month for across Southeast Texas with average temperatures around three to five degrees above normal and around three to six inches below normal for precipitation. The first triple digit heat of the summer arrived for College Station and Houston, which is about a month before the average first triple digit heat day. Houston-Hobby recorded its driest June on record with just 0.35" of rain total. The continued dry and hot weather brought drought degradations across the region with Extreme Drought experienced for much of the region.

	Location	Average High Temp (F)	Average Low Temp (F)	Average Temp (F)	Normal Average Temp (F)	Departure From Normal Average (F)	Maximum Temperature (F)	Minimum Temperature (F)
	Galveston (GLS)	92.7	82.3	87.5	83.8	+3.7	97 on the 19 th & 20 th	77 on the 2 nd & 30 th
	Houston Hobby (HOU)	95.7	77.2	86.4	82.9	+3.5	101 on the 20 th & 26 th	73 on the 3 rd & 4 th
	City of Houston (IAH)	96.9	76.5	86.7	83.0	+3.7	102 on the 20 th & 26 th	70 on the 3 rd
MINISTRATION 304	College Station (CLL)	98.7	76.5	97.6	82.6	+5.0	103 on the 26 th & 27 th	70 on the 4 th





ND ATMOSP

NOAA

ARTMENT OF CO

Location	Total Precipitation (in.)	Departure from Normal (in.)	Number of Thunder Days	Maximum Daily Precipitation (in./date)	
Galveston (GLS)	2.26	-1.97	5	1.41	30 th
Houston Hobby (HOU)	0.35 Driest on Record	-5.74	3	0.12	27 th
City of Houston (IAH)	0.13	-5.87	4	0.07	22 nd
College Station (CLL)	2.46	-2.14	6	0.93	5 th









10A

The extreme heat we saw in June continued into July with most of the region experiencing the warmest July on record with average temperatures three to six degrees above normal. There were 70 Daily Temperature records during the month with the highest maximum June temperature seen at the City of Houston (105°F on the 10th) and the City of College Station (111°F on the 10th). Highest minimum June Temperatures were seen at the City of Galveston (86°F on multiple dates starting on the 19th) and the City of Houston (83°F on the 12th). One of the reasons for this extreme heat was because of a lack of rainfall with most of the area seeing around two to four inches below normal rainfall. An isolated strong thunderstorm did bring locally heavy rainfall to Galveston on the 14th that led to the city being around one inch above normal rainfall for the month. Drought conditions degraded across the region with most of the area in either Severe (D2), Extreme (D3), or Exceptional (D4) Drought.

	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)	93.0	84.2	88.6	+3.1	96 on the 10 th	75 on the 14 th
	Houston Hobby (HOU)	97.5	78.7	88.1	+3.3	104 on the 10 th	77 on the 3 rd , 16 th & 22 nd
-	City of Houston (IAH)	98.5	77.6	88.0	+2.9	105 on the 10 th	74 on the 8 th & 16 th
IERIC 40	College Station (CLL)	103.4	78.5	90.9	+5.8	111 on the 10 th	76 on the 1 st , 15 th & 16 th
MINISTRATION 30	Palacios (PSX)	93.0	82.9	88.0	+2.6	96 on the 13 th	78 on the 1 st , 15 th & 28 th





ND ATMOSP

NOAA

ARTMENT OF CO

Location	Total Precipitation (in.)	Departure from Normal (in.)	Number of Thunder Days	Maximum Daily Preci	pitation (in./date)
Galveston (GLS)	4.14	+0.73	3	2.28	14 th
Houston Hobby (HOU)	1.90	-2.69	14	1.11	1 st
City of Houston (IAH)	1.35	-2.42	12	0.43	6 th & 23 rd
College Station (CLL)	0.01	-1.97	3	0.01	22 nd
Palacios (PSX)	Palacios (PSX) 0.93		3	0.51	14 th







August 2022

25

August 2022 was the opposite of July 2022 when it came to precipitation. While July was one of the driest Julys on record, this August was on the wetter side of the record books with most of the region receiving two to eight plus inches of above normal rainfall. The mostly cloudy skies and continued rainfall led to near normal temperatures. This combination of near normal temperatures and above normal rainfall allowed for the drought conditions to rapidly improve across the region. Exceptional Drought (D4) conditions are no longer being seen in SE Texas with some Extreme Drought (D3) persisting across the western portion of the area. Drought conditions are expected to continue to improve during September as the region remains under a wetter and cooler pattern.

	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)	91.9	81.6	86.8	+0.9	95 on the 3 rd , 10 th & 18 th	77 on the 18 th & 24 th
	Houston Hobby (HOU)	93.7	77.5	85.6	+0.5	100 on the 3 rd , 4 th & 17 th	73 on the 18 th
	City of Houston (IAH)	94.4	75.7	85.1	-0.1	102 on the 10 th	71 on the 10 th
RIC 40,	College Station (CLL)	98.5	76.8	87.6	+1.9	105 on the 3 rd	74 on the 25 th
AMMISTRATION 300	Palacios (PSX)	92.2	79.6	85.9	+0.3	97 on the 11 th	75 on the 31 st

August 2022

ND ATMOSP

NOAA

ARTMENT OF CC

Location	Total Precipitation (in.)	Departure from Normal (in.)	Number of Thunder Days	Maximum Daily Preci	pitation (in./date)
Galveston (GLS)	7.40	+2.69	10	1.03	29 th
Houston Hobby (HOU)	4.52	-0.92	15	1.29	20 th
City of Houston (IAH)	8.58	+3.74	15	2.78	10 th
College Station (CLL)	4.54	+1.44	13	1.72	30 th
Palacios (PSX)	5.10	+1.19	12	0.98	29 th







September 2022

27

After a very wet August, September was the opposite with much below normal precipitation. Generally, the region experienced about two to four inches below normal precipitation with the observed rainfall mostly occurring within the first week of September while the rest of the month had almost zero rainfall. The lack of rainfall led to above normal temperatures and the redevelopment of the drought in portions of the region.

	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)	89.1	77.9	83.5	+1.1	95 on the 22 nd	65 on the 30 th
-	Houston Hobby (HOU)	92.1	73.4	82.8	+1.7	99 on the 22 nd	58 on the 30 th
OSPHERIC 4	City of Houston (IAH)	91.8	69.7	80.7	+0.2	98 on the 22 nd	55 on the 30 th
	College Station (CLL)	92.8	70.0	81.4	+0.8	98 on the 22 nd	57 on the 27 th
AR PARTITION	Palacios (PSX)	89.9	71.5	80.7	+0.8	97 on the 26 th	58 on the 30 th

September 2022

ND ATMOSP

NOAA

RTMENT OF C

Location	Total Precipitation (in.)	Departure from Normal (in.)	Number of Thunder Days	Maximum Daily Preci	pitation (in./date)
Galveston (GLS)	2.80	-3.85	4	2.68	3 rd
Houston Hobby (HOU)	1.52	-4.24	5	0.34	8 th
City of Houston (IAH)	0.75	-3.96	6	0.55	3 rd
College Station (CLL)	2.54	-0.96	4	1.14	3 rd
Palacios (PSX) 1.27		-4.61	5	0.90	6 th







October 2022



The dry conditions experienced in September continued through October with most of the region seeing rainfall deficits of two to four inches. The rainfall that did fall occurred mainly on just one day, October 28th, when a cold front went through the region. If it wasn't for this system, the region would most likely would have been around four to six inches below normal. The dry conditions led to the drought degradation across the region with Extreme Drought (D3) expanding west of the Brazos River. Despite the dry weather, October was mostly cooler than normal by one to two degrees. Still had some lingering 90 degree weather through the first half of the month, but the first few significant cold fronts of the season brought cooler than normal conditions to end the month.

	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)	80.7	62.7	74.0	-1.3	89 on the 7 th	50 on the 19 th
	Houston Hobby (HOU)	83.3	62.1	72.7	-0.3	94 on the 12 th	48 on the 19 th
	City of Houston (IAH)	82.6	57.5	70.0	-1.8	94 on the 12 th	42 on the 14 th
Th.	College Station (CLL)	84.0	58.8	71.4	+0.3	95 on the 12 th	42 on the 19 th
MUSTRATION 30	Palacios (PSX)	83.1	60.8	72.0	+1.9	91 on the 8 th	43 on the 19 th



October 2022

ND ATMOSP

NOAA

ARTMENT OF CC

Location	Total Precipitation (in.)	Departure from Normal (in.)	Number of Thunder Days	Maximum Daily Precipitation (in./date)	
Galveston (GLS)	1.54	-3.61	3	0.64	28 th
Houston Hobby (HOU)	2.82	-2.96	4	2.26	28 th
City of Houston (IAH)	1.83	-3.63	1	1.44	28 th
College Station (CLL)	1.85	-3.08	4	0.90	28 th
Palacios (PSX)	2.42	-1.91	2	1.76	28 th







November 2022

31

Multiple high rainfall events led to the region experiencing a monthly total of five to eight inches of rainfall, which is about one to four inches above normal for the month of November. This rainfall led to not only below normal temperatures for the month, but also widespread drought improvements. Severe Drought (D2) persisted in parts of Colorado and Austin counties, but now no drought is being reported in over half the region.

	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)	69.2	58.0	63.6	-1.9	83 on the 4 th	44 on the 20 th
	Houston Hobby (HOU)	70.4	54.0	62.2	-1.1	87 on the 6 th & 8 th	41 on the 13 th
AC POINTSTRATION	City of Houston (IAH)	70.0	51.2	60.6	-1.4	86 on the 6 th & 7 th	36 on the 13 th
	College Station (CLL)	68.8	51.0	59.9	-0.5	87 on the 7 th	35 on the 13 th & 20 th
	Palacios (PSX)	70.1	54.6	62.3	-2.3	86 on the 7 th	38 on the 13 th

November 2022

ND ATMOSP

NOAA

ARTMENT OF CC

Location	Total Precipitation (in.)	Departure from Normal (in.)	Number of Thunder Days	Maximum Daily Precipitation (in./date)		
Galveston (GLS)	8.20	+3.92	8	1.66	14 th	
Houston Hobby (HOU)	7.21	+3.31	7	1.53	24 th	
City of Houston (IAH)	4.97	+1.10	7	1.10	11 th & 26 th	
College Station (CLL)	5.16	+1.85	4	1.48	11 th	
Palacios (PSX)	7.05	+3.66	6	1.54	25 th	







December 2022

A strong Artic cold front moved through the 23rd of the month bringing much below normal temperatures for a few days, but this was not enough to outweigh an extremely warm start and end to the month. On average, the region finished about two degrees warmer than normal with 16 daily temperature records set. Drought improvements continued with just some Abnormally Dry to Moderate Drought conditions experience west of the Brazos River and in the far northern reaches of the region.

	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)	66.8	53.8	60.3	+1.8	81 on the 3 rd	21 on the 23 rd
	Houston Hobby (HOU)	68.5	50.2	59.3	+2.4	85 on the 6 th	17 on the 23 rd
, RAMINSTRATION 200	City of Houston (IAH)	66.7	47.4	57.1	+1.7	82 on the 7 th 8 th & 9 th	15 on the 23 rd
	College Station (CLL)	64.5	45.8	55.1	+2.0	82 on the 7 th & 8 th	14 on the 23 rd
	Palacios (PSX)	67.5	50.0	58.8	+0.8	81 on the 10 th	18 on the 23 rd



December 2022

D ATMOSP

NOAA

ARTMENT OF CO

Location	Total Precipitation (in.)	Departure from Normal (in.)	Number of Thunder Days	Maximum Daily Precipitation (in./date)	
Galveston (GLS)	3.01	-1.22	5	0.93	29 th
Houston Hobby (HOU)	2.71	-1.63	5	0.85	30 th
City of Houston (IAH)	3.88	-0.15	6	1.87	11 th
College Station (CLL)	5.54	+1.83	5	1.62	10 th
Palacios (PSX)	3.30	+0.32	6	1.30	11 th







2022 Atlantic Tropical Summary



2022 Drought Evolution



Data via droughtmonitor.com

Climate Primary Site History



Galveston (GLS)

College Station (CLL)

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).

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.



