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Temperatures across most of the state were near normal to slightly above normal for May of 1999. Mean monthly temperatures of two to three degrees below normal were found only in the Panhandle, while the Central and South Central regions experienced normal May temperatures. The greatest above normal departures were 2.4°F in El Paso and 2.5°F in Del Rio, and these two cities also recorded the smallest percentage of average precipitation, 8% and 15%, respectively. Except for Austin, most of the central portions of the state had below normal rainfall for May. North Texas and the Gulf Coast regions recorded above normal precipitation.

A cold front extending from a low pressure system in the Central Plains moved through Texas during the first week of May. Numerous reports of tornadoes occurred in the High Plains region on the 1st, and there were reports of hail as big as grapefruit in Sterling County on the 3rd. On the 4th, tornadoes were spotted in Van Zandt, Hunt, Rains, Henderson, and Anderson counties in the northeastern part of the state. These storms were part of the same system that caused the devastating tornadoes in the Oklahoma City area that same day. Temperatures records were set on the 4th and 5th in both Corpus Christi and Brownsville. On the 4th, Corpus Christi soared to 100°F, while Brownsville reached 99°F. Brownsville recorded 102°F on the 5th, breaking a 77-year record for that day by eight degrees.

Another cold front, this time associated with a low in the Northern Plains, passed across Texas from the 10th to the 13th. On the 11th there were reports of large hail in the Central and North Central regions, and tornadoes touched down in San Saba and Mason counties, the latter causing six injuries. Corpus Christi and the surrounding counties experienced hail and wind damage as the front moved through.

At the end of the month, a front that moved into Texas on the 23rd and remained draped across Central and South Texas for nearly a week. On the 24th, heavy rains produced some localized flooding in West Texas and hail and high wind reports were numerous. A tornado was spotted in Castro County on the 25th, also accompanied by high winds and hail. In south Bexar County on the 26th, a man died when he was struck by lightning while exiting his vehicle. Three to four inch hail damaged cars and broke out windows in Hood County on the 27th.

MAY 1999

Station	TMAX			TMIN			Mean Temp		No. Days	Precipitation			HDD*	CDD*
	Avg.	Dep.	Abs. Max	Avg.	Dep.	Abs. Min	Avg.	Dep.		Total (In.)	Percent Avg.	Gr'st 24 hr. (In.)		
Abilene	84.1	-0.3	98	60.9	-0.2	41	72.5	-0.2	9	1.77	60%	0.91	14	255
Amarillo	74.6	-4.5	89	49.9	-1.7	38	62.3	-3.1	8	4.29	173%	2.09	132	56
Austin	85.6	0.9	94	67.3	0.8	59	76.4	0.8	8	7.07	148%	3.95	0	361
Brownsville	89.4	1.6	102	73.2	1.2	64	81.3	1.4	4	3.59	122%	2.75	0	513
College Station	85.4	1.4	90	64.7	-0.3	50	75.0	0.4	8	4.16	87%	2.07	0	319
Corpus Christi	87.0	0.8	100	70.2	0.7	62	78.6	0.7	4	2.23	67%	1.47	0	429
Dallas-Fort Worth	83.2	0.3	91	64.3	1.7	54	73.8	1.0	15	6.91	142%	2.36	3	282
Del Rio	89.6	1.4	100	69.9	3.6	55	79.8	2.5	4	0.29	14%	0.25	0	467
El Paso	87.9	0.8	96	60.4	3.9	49	74.1	2.3	1	0.02	8%	0.02	1	291
Galveston	85.0	5.2	88	70.9	-0.9	62	78.0	2.2	5	5.65	157%	2.50	0	394
Houston	87.4	2.8	93	65.8	1.4	53	76.6	2.1	9	4.10	78%	2.57	0	365
Lubbock	79.0	-4.1	94	55.2	-0.6	40	67.1	-2.3	5	3.38	144%	1.39	66	139
Midland	87.5	0.1	99	60.1	2.0	41	73.8	1.0	7	1.10	56%	0.62	9	289
Port Arthur	85.3	1.2	90	66.6	0.3	54	75.9	0.7	4	2.98	52%	2.06	0	349
San Angelo	86.9	-0.5	97	62.7	1.6	45	74.8	0.6	6	1.55	52%	0.73	3	313
San Antonio	85.8	0.5	93	66.5	0.8	53	76.1	0.6	8	2.78	66%	1.57	0	352
Victoria	87.1	1.8	94	67.0	-0.7	53	77.0	0.4	7	6.43	143%	2.02	0	382
Waco	84.4	0.0	91	63.2	-1.0	46	73.8	-0.5	11	3.14	69%	1.20	1	282
Wichita Falls	82.6	-0.7	93	59.5	0.4	47	71.1	-0.1	12	4.86	119%	1.27	9	204
Shreveport, LA	82.6	-0.6	89	61.4	-0.6	49	72.0	-0.6	13	3.96	76%	0.76	1	224

* **Bold italics** indicate a monthly record.

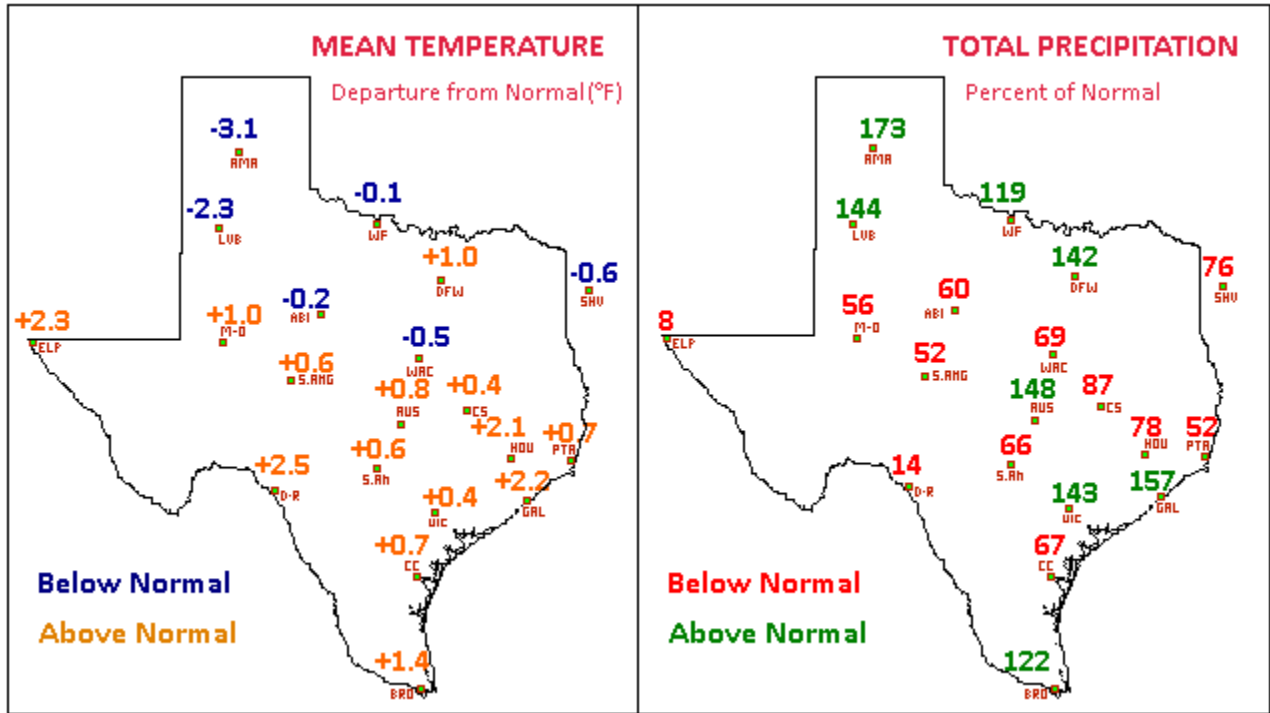
* Complete temperature data were unavailable. Temperatures are rounded to the nearest whole degree.

*HDD - Heating degree-day: Refer to the Monthly Average chart for a definition

T = Trace (<0.005")

*CDD - Cooling degree-day: Refer to the Monthly Average chart for a definition

M: Information not available.



CLIMATIC AVERAGES FOR JUNE

Station	TMAX		TMIN		Precipitation (In.)			Mean Number of Days in Month				
	Avg.	Record	Avg.	Record	Avg.	Gr'st Mon. Total	Gr'st 24 hr. Total	TMAX > 90°F	TMIN < 32°F	Days PRCP ≥ 0.01"	HDD*	CDD*
Abilene	91.4	110	68.9	44	2.9	9.60	3.66	19.4	0.0	6.2	0	456
Amarillo	87.6	108	60.7	38	3.7	10.73	6.15	12.8	0.0	8.9	6	279
Austin	91.1	108	71.5	51	3.7	14.96	6.50	21.1	0.0	6.6	0	489
Brownsville	91.0	103	74.9	56	2.7	13.80	8.18	22.9	0.0	5.9	0	540
College Station	90.3	106	71.0	53	3.7	15.03	6.00	19.7	0.0	6.5	0	471
Corpus Christi	90.4	106	73.4	56	3.4	13.35	5.65	19.0	0.0	6.1	0	507
Dallas-Fort Worth	91.9	113	70.0	48	3.0	11.58	3.15	19.9	0.0	6.5	0	480
Del Rio	93.6	112	71.7	49	2.1	13.71	2.67	24.7	0.0	5.3	0	531
El Paso	96.5	114	64.3	46	0.7	3.18	1.56	26.0	0.0	3.3	0	462
Galveston	85.0	99	77.2	57	4.4	15.49	12.56	1.3	0.0	6.7	0	483
Houston	90.1	103	70.6	52	5.0	16.28	10.35	19.9	0.0	9.2	0	462
Lubbock	90.0	114	64.3	39	2.8	7.95	5.70	18.3	0.0	7.0	0	366
Midland	93.4	116	65.7	47	1.6	5.10	3.07	21.0	0.0	4.9	0	438
Port Arthur	89.4	106	72.0	53	5.6	18.90	10.20	17.2	0.0	8.5	0	471
San Angelo	92.7	110	66.4	48	2.3	6.01	2.86	21.1	0.0	5.3	0	435
San Antonio	91.8	107	72.6	48	3.8	11.95	6.30	21.9	0.0	6.5	0	516
Victoria	90.7	107	72.7	54	4.9	12.68	9.30	20.0	0.0	7.6	0	501
Waco	92.0	109	70.9	52	3.3	12.06	4.21	22.1	0.0	6.7	0	495
Wichita Falls	91.5	117	68.0	50	3.5	8.60	5.36	20.8	0.0	6.6	0	444
Shreveport, LA	89.7	104	69.0	52	4.3	17.11	7.28	18.3	0.0	7.9	0	432

*CDD - Cooling degree-day: The difference between the mean individual daily temperature and 65°F, with one CDD resulting for each degree above the standard 65°F during one day.

*HDD - Heating degree-day: The difference between the mean individual daily temperature and 65°F, with one HDD resulting for each degree below the standard 65°F during one day.

Climate-related Agricultural Information

<http://agnews.tamu.edu>

Past Weather Events in June

June 27-July 1, 1899: Rainstorm. A storm, centered over the Brazos River Watershed, precipitated an average of 17 inches over an area of 7,000 square miles. At Hearne the gage overflowed at 24 inches, and there was an estimated total rainfall of 30 inches. At Turnersville, Coryell County, 33 inches were recorded in three days. This rain caused the worst Brazos River flood on record. Between 30 and 35 lives were lost. Property damage was estimated at \$9 million.

June 10, 1938: Tornado. Clyde, Callahan County; 14 killed, 9 injured; damage \$85,000.

June 27, 1957: Hurricane Audrey. Center crossed the Gulf coast near the Texas-Louisiana line. Orange was in the western portion of the eye between 9 and 10 a.m. In Texas, nine lives were lost, 450 persons injured; property damage was \$8 million. Damage was extensive in Jefferson and Orange counties, with less in Chambers and Galveston counties. Maximum wind reported in Texas, 85 m.p.h. at Sabine Pass, with gusts to 100 m.p.h.

June 2, 1965: Tornado. Hale Center, Hale County. Four killed, 76 injured; damage \$8 million.

June 12-13, 1973: Rainstorm. Southeastern Texas. Ten drowned. Over \$50 million in property and crop damage. From 10-15 inches of rain recorded.

June 26, 1986: Hurricane Bonnie made landfall between High Island and Sabine Pass around 3:45 a.m. The highest wind measured in the area was a gust to 97 m.p.h. at Sea Rim State Park. As much as 13 inches of rain fell in Ace in southern Polk County.

June 20-22, 1993: Tropical Storm Arlene made landfall 5 miles south of Corpus Christi; all of eastern Texas was inundated by the remains. Henderson (Rusk Co.) received 14.83 inches of rain, and widespread areas reported greater than 7 inches. One person was killed; damage, mostly as a result of tidal flooding, was estimated at \$22 million.

Dr. John Nielsen-Gammon (State Climatologist)

Richard K. Scott (Graduate Assistant)