



## HISTORICAL WEATHER DATA BY COUNTY

The following Historical Weather Data Table was developed for the Commission during the Commission’s consultation with the state climatologist's office in preparing rules required by Senate Bill 3. The state climatologist's office gathered the data for the table, which contains record weather conditions (i.e., coldest temperature, hottest temperature, and typical longest consecutive hours of freezing or frozen precipitation) for each county or region in Texas.

Regarding future weather conditions, the state climatologist provided the following statement: “Widespread snow across Texas is rare. There are only three other known instances of frozen precipitation as widespread and as heavy as during February 2021. Those instances were 1895, 1926, and 1929. A clear relationship between Texas frozen precipitation and La Niña has not been established. Therefore, an estimate of the future likelihood of a similarly widespread snowstorm is based on historical trends and computer model simulations. There is an estimated 1 in 50 chance of widespread frozen or freezing precipitation comparable to 2021’s Winter Storm Uri this upcoming winter, and a 1 in 17 chance sometime during the next three years.”

- John Nielsen-Gammon, State Climatologist, 2022.

In compiling historical data for the table below, the climatologist used the multi-station extreme function in SCACIS (<https://scacis.rcc-acis.org/>), which is an interface to the Applied Climate Information System with functionality relevant for State Climatologists. It is synced with the National Centers for Environmental Information (NCEI) climatological databases but includes some additional station data. For each county, the climatologist recorded the extreme maximum and minimum temperatures and the years in which they occurred. Regarding the typical longest consecutive hours of frozen precipitation, the climatologist calculated region-wide estimates that do not correspond to a particular year. The climatologist also checked all extreme values for plausibility compared with neighboring counties. In those instances where the reported extreme was implausible (illogically high or low, wrong season, and/or inconsistent with neighboring stations), it was discarded in favor of the most extreme plausible value. In instances when an extreme was significantly less extreme than surrounding counties and the reason was that the observations in that county only covered a small number of years, the value was replaced with a conservative value (generally not the most extreme) from an adjacent county. When no observations were available from a county, the climatologist used a conservative value (generally not the most extreme) from an adjacent county. Values borrowed from an adjacent county or estimated using data from adjacent counties are noted in the table.

The Commission appreciates the state climatologist and the state climatologist’s office for its knowledge, assistance, and guidance.

### Historical Weather Data by County in Texas

County	Lowest historical temperature	Year	Highest historical temperature	Year	Typical longest consecutive hours of freezing or frozen precipitation in region
Anderson	-6	2021	114	1954	24
Andrews	-14 <sup>†</sup>	1962	113	1994	30
Angelina	-2	1951	110	2000	18
Aransas	10	1899	107	2000	18
Archer	-10	1989	114	1980	30

County	Lowest historical temperature	Year	Highest historical temperature	Year	Typical longest consecutive hours of freezing or frozen precipitation in region
Armstrong	-16	1905	108	1980	36
Atascosa	-1	1949	113	2000	18
Austin	0	1989	111	2000	18
Bailey	-21	1933	112	1994	36
Bandera	5	1989	109	2011	24
Bastrop	-3	1989	111	2011	18
Baylor	-14	1947	120	1936	30
Bee	5	1899	114	1990	18
Bell	-5	1989	112	2018	24
Bexar	0	1949	113	2000	24
Blanco	-6	1949	110	2018	24
Borden	-1	1989	116	1994	30
Bosque	-3	1989	113	2000	24
Bowie	-9	1899	112	2011	30
Brazoria	5	1899	109	2000	18
Brazos	-3	1949	112	2000	18
Brewster	-6	1962	117	2021	24
Briscoe	-10	2004	112	2020	36
Brooks	9	1962	116	2016	12
Brown	-6	1989	113	1925	30
Burleson	3	1989	114	2000	18
Burnet	-4	1989	114	1917	24
Caldwell	-3	1949	111	2011	18
Calhoun	9	1989	109	2011	18
Callahan	-8	1989	110	2011	30
Cameron	12	1899	108	1915	18
Camp	-5 <sup>†</sup>	2021	114 <sup>†</sup>	1936	30
Carson	-10	1963	112	2011	36
Cass	-4	2021	111	2011	30
Castro	-12	2021	111	1983	36
Chambers	8	1989	106	1939	18
Cherokee	-6	2021	111	1925	24
Childress	-13	1930	117	2011	36
Clay	-8	1989	116	1951	30
Cochran	-12	1963	111	2011	30

County	Lowest historical temperature	Year	Highest historical temperature	Year	Typical longest consecutive hours of freezing or frozen precipitation in region
Coke	-9	2021	114	2000	30
Coleman	-9	1989	114	1943	30
Collin	-11	1899	115	1901	30
Collingsworth	-6	1989	117	2011	36
Colorado	4	1989	116	2000	18
Comal	2	1989	112	2011	24
Comanche	-8	1989	113	2000	30
Concho	-8	1985	111	2011	24
Cooke	-12	1899	114	1936	30
Coryell	-8	2021	112	2018	24
Cottle	-7	1989	118	2011	36
Crane	-6	1985	115	1994	24
Crockett	-8	1951	113	2015	24
Crosby	-14	1899	113	2019	30
Culberson	-14	2011	112	1969	24
Dallam	-21	1959	110	2011	36
Dallas	-10	1899	115	1909	30
Dawson	-12	1933	114	1994	30
Deaf Smith	-17	1951	111	1910	36
Delta	-10 <sup>†</sup>	1899	115 <sup>†</sup>	1969	30
Denton	-6	2021	113	1954	30
DeWitt	2	1949	114	2011	18
Dickens	-17	1933	117	1994	30
Dimmit	5	1899	114	1960	12
Donley	-13	1984	117	1936	36
Duval	12	1989	116	1998	12
Eastland	-8	1989	115	1943	30
Ector	-12	1985	116	1994	30
Edwards	0	1963	110	1988	24
Ellis	-13	2011	115	1909	24
El Paso	-9	1899	115	2002	24
Erath	-9	1899	114	1936	30
Falls	-7	1949	112	1969	24
Fannin	-7	2021	115	1936	30
Fayette	3	1989	111	1917	18

County	Lowest historical temperature	Year	Highest historical temperature	Year	Typical longest consecutive hours of freezing or frozen precipitation in region
Fisher	-12	1899	116	1994	30
Floyd	-9	1963	111	1994	36
Foard	-7 <sup>†</sup>	1989	118	2011	36
Fort Bend	8	1989	108	2011	18
Franklin	-5	1989	112	2011	30
Freestone	-2	1989	110	2000	24
Frio	7	1989	113	2000	12
Gaines	-23	1933	114	1994	30
Galveston	7	1899	106	2000	18
Garza	-5	2021	116	1994	30
Gillespie	-5	1949	109	2000	24
Glasscock	-3	1989	114	1994	30
Goliad	7	1962	112	1998	18
Gonzales	1	1989	114	2000	18
Gray	-12	1962	113	2011	36
Grayson	-4	2021	113	1936	30
Gregg	-7	1899	113	1936	24
Grimes	-2 <sup>†</sup>	1899	110 <sup>†</sup>	2000	18
Guadalupe	0	1949	112	2000	18
Hale	-8	1933	112	2017	36
Hall	-11	1989	117	2020	36
Hamilton	-11	1949	113	1936	24
Hansford	-22	1959	111	1936	36
Hardeman	-15	1989	119	1994	36
Hardin	12	2021	110	2000	18
Harris	5	1940	111	2000	18
Harrison	-13	2021	112	2011	24
Hartley	-20	1933	110	1907	36
Haskell	-6	1989	115	1994	30
Hays	-2	1989	111	2000	24
Hemphill	-14	1942	112	1994	36
Henderson	-6	1985	109	2018	24
Hidalgo	10	1962	113	1998	12
Hill	-6	1989	113	1917	24
Hockley	-16	1963	115	1994	30

County	Lowest historical temperature	Year	Highest historical temperature	Year	Typical longest consecutive hours of freezing or frozen precipitation in region
Hood	-8	2021	111	2018	30
Hopkins	-10	1899	115	1969	30
Houston	0	1989	114	1909	18
Howard	-7	1962	114	1994	30
Hudspeth	-10	1985	115	1994	24
Hunt	-4	1930	116	1936	30
Hutchinson	-19	1912	116	2020	36
Irion	-4	2021	108	2020	24
Jack	-11	2021	113	2011	30
Jackson	8	1949	107	1954	18
Jasper	2	1951	109	2000	18
Jeff Davis	-10	1962	108	1994	24
Jefferson	4	1899	108	2000	18
Jim Hogg	12	1989	118	2009	12
Jim Wells	11	1989	111	2000	18
Johnson	-6	1989	114	1939	30
Jones	-12	1989	118	1994	30
Karnes	6	1899	112	1954	18
Kaufman	-7	2021	113	1936	24
Kendall	-4	1949	112	1925	24
Kenedy	14	1975	110	1963	18
Kent	-9 <sup>∞</sup>	1989	116	1994	30
Kerr	-7	1949	110	1954	24
Kimble	-11	1929	112	2011	24
King	-10	1989	119	1994	30
Kinney	4	1962	111	1988	18
Kleberg	10	1989	115	1998	18
Knox	-11	1947	118	2011	30
Lamar	9	1962	115	1936	30
Lamb	-13	1899	112	1994	36
Lampasas	-14	1963	112	1917	24
La Salle	-12	1949	116	1893	12
Lavaca	5	1989	112	2011	18
Lee	2	1989	111	2000	18
Leon	0	1951	113	1909	18

County	Lowest historical temperature	Year	Highest historical temperature	Year	Typical longest consecutive hours of freezing or frozen precipitation in region
Liberty	5	1989	112	1962	18
Limestone	-5	1989	112	1909	24
Lipscomb	-19	2021	114	2011	36
Live Oak	11	1983	112	2000	18
Llano	-7	1929	115	1933	24
Loving	-14 <sup>†</sup>	1962	115 <sup>†</sup>	1995	30
Lubbock	-17	1933	114	1994	30
Lynn	-15	1933	111	1994	30
Madison	-2	1949	112	2000	18
Marion	-5	1989	112	2011	24
Martin	-12 <sup>†</sup>	1962	114 <sup>†</sup>	1994	30
Mason	-1 <sup>∞</sup>	1989	111	2018	24
Matagorda	7	1989	109	2000	18
Maverick	7	1899	115	1944	12
McCulloch	-2	1989	110	1980	24
McLennan	-7	1949	114	2018	24
McMullen	5	1989	119	1910	12
Medina	-5	1951	112	2011	18
Menard	-6	1929	114	1927	24
Midland	-12	1962	116	1994	30
Milam	-7	1930	114	1917	18
Mills	-7	1989	110	1964	24
Mitchell	-7	1985	115	1907	30
Montague	-12	1899	115	1980	30
Montgomery	1	2021	113	2000	18
Moore	-18	1959	109	1980	36
Morris	-5	2021	112	1998	30
Motley	-6	2021	116	1994	36
Nacogdoches	-4	1930	113	2000	18
Navarro	-7	1899	113	1954	24
Newton	4	1930	110	2011	18
Nolan	-11	1947	113	1994	30
Nueces	7	1899	113	1983	18
Ochiltree	-17	1988	113	2011	36
Oldham	-17	1951	110	1982	36

County	Lowest historical temperature	Year	Highest historical temperature	Year	Typical longest consecutive hours of freezing or frozen precipitation in region
Orange	10	1989	111	2019	18
Palo Pinto	-8	1989	114	1980	30
Panola	1	1989	109	2000	24
Parker	-11	1899	119	1980	30
Parmer	-15	1963	109	2017	36
Pecos	-7	1911	117	1994	24
Polk	3	1989	111	2000	18
Potter	-16	1899	111	2011	36
Presidio	-2	1972	117	1960	24
Rains	-5	1989	112	2000	24
Randall	-14	1951	109	2020	36
Reagan	-9	1985	115	1994	24
Real	0	1976	109	2000	24
Red River	-7	1930	115	1936	30
Reeves	-14	1962	118	1968	24
Refugio	8	1962	112	2000	18
Roberts	-15	1942	114	1917	36
Robertson	-1	1989	112	2000	18
Rockwall	-1	2021	113 <sup>†</sup>	1936	30
Runnels	-6	2021	116	1907	30
Rusk	-7	2021	111	2011	24
Sabine	6	1951	114	1947	18
San Augustine	1	2021	112	1909	18
San Jacinto	3	1989	110	1998	18
San Patricio	10	1989	111	2000	18
San Saba	-1	1989	113	2020	24
Schleicher	-7	1985	107	2018	24
Scurry	-11	1985	115	1936	30
Shackelford	-13	2021	115	1972	30
Shelby	0	1951	112	2000	18
Sherman	-20	1933	108	2019	36
Smith	-8	1899	110	2011	24
Somervell	-15	1989	115	1984	30
Starr	7	1899	116	1998	12
Stephens	-8	2021	114	1936	30

County	Lowest historical temperature	Year	Highest historical temperature	Year	Typical longest consecutive hours of freezing or frozen precipitation in region
<b>Sterling</b>	-13	1985	112	1994	30
<b>Stonewall</b>	-10	1989	117	1994	30
<b>Sutton</b>	-8	1951	109	2016	24
<b>Swisher</b>	-23	1899	111	2011	36
<b>Tarrant</b>	-12	1899	115	1909	30
<b>Taylor</b>	-9	1947	111	2011	30
<b>Terrell</b>	1	1989	113	2014	24
<b>Terry</b>	-8	1963	111	1994	30
<b>Throckmorton</b>	-11	1989	115	2011	30
<b>Titus</b>	-12	1951	118	1936	30
<b>Tom Green</b>	-6	1930	113	1907	24
<b>Travis</b>	-5	1949	112	2011	24
<b>Trinity</b>	1	1989	111	2000	18
<b>Tyler</b>	2	1949	111	2000	18
<b>Upshur</b>	-5	2021	114	1936	24
<b>Upton</b>	-2	1962	113	1994	24
<b>Uvalde</b>	6	1989	114	1910	18
<b>Val Verde</b>	2	2021	114	1995	18
<b>Van Zandt</b>	-3	2021	115	1909	24
<b>Victoria</b>	9	1989	111	2000	18
<b>Walker</b>	-2	1899	110	2000	18
<b>Waller</b>	1 <sup>†</sup>	2021	113	2000	18
<b>Ward</b>	-9	1962	120	1994	24
<b>Washington</b>	-2	1930	118	2009	18
<b>Webb</b>	5	1899	116	1998	12
<b>Wharton</b>	3	1899	112	2000	18
<b>Wheeler</b>	-13	1984	117	2011	36
<b>Wichita</b>	-15	1947	117	1980	36
<b>Wilbarger</b>	-9	1989	119	1943	36
<b>Willacy</b>	14	1962	109	1916	18
<b>Williamson</b>	-5	1949	113	1917	24
<b>Wilson</b>	5	1985	114	1984	18
<b>Winkler</b>	-14	1962	117	1994	30
<b>Wise</b>	-8	1989	115	1980	30
<b>Wood</b>	-8	2021	114	1996	24



County	Lowest historical temperature	Year	Highest historical temperature	Year	Typical longest consecutive hours of freezing or frozen precipitation in region
Yoakum	-12	1951	113	1994	30
Young	-8	1989	120	1998	30
Zapata	13	1911	116	1998	12
Zavala	6	1962	115	2000	12

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† Temperature value taken from an adjacent county.

∞ Temperature value estimated using value from an adjacent county or counties.