CLIMATOLOGICAL DATA FOR FEBRUARY, 1912.

DISTRICT No. 8, TEXAS AND RIO GRANDE VALLEY.

B. BUNNEMEYER, District Editor.

GENERAL SUMMARY.

February was the fourth consecutive month with the mean temperature below the normal. While the precipitation for the district as a whole averaged about normal, it nearly all occurred with the storms of the 12th–13th and 23d–26th, and there were many days with bright sunshine and low relative humidity. The most noteworthy features of the month were a cold wave from the 4th to 6th, which gave freezing weather throughout the district, and two unusually severe storms which swept over the district in close succession on the 20th–21st, and on the 24th–26th, which prostrated telegraph and telephone poles, interrupted traffic, and caused much damage to buildings and other property in many localities. That of the 24th–26th was attended by a remarkably heavy fall of snow in New Mexico and northwest Texas, which drifted into the low places, arroyos, and canyons, filled shelters, blockaded trains, and caused heavy loss of stock and the death of several people. At Houston, Tex., a fire broke out on the night of the 20th–21st, and the high winds spread the flames so rapidly that in the space of a few hours property valued at $5,000,000 was destroyed.

The precipitation was generally deficient in the Rio Grande and lower Rio Pecos Valleys, in east Texas and along the immediate coast, and above the normal elsewhere, the excess being greatest in portions of central and southwestern Texas. The average number of days with 0.01 inch or more of precipitation was 4 in Colorado, and 3 in New Mexico and Texas.

The greatest and least monthly amounts of precipitation were: In Colorado, 2.45 inches at La Veta Pass and 0.05 inch at Saguache; in New Mexico, 3 inches at Pastura and a trace at 3 stations; and in Texas, 6.43 inches at Rossville, while there was none at 4 stations, and a trace only at 4 other stations.

In the western portion of the district the precipitation was nearly all in the form of snow, most of which remained on the ground at the close of the month. The heaviest monthly fall in Colorado was 52.7 inches at La Veta Pass; in New Mexico, 35.2 inches at Harvey's Upper Ranch; and in Texas, 10.5 inches at Seymour.

TEMPERATURE.

The monthly mean temperature was 1.6° above the normal in Colorado; 1.3° below the normal in New Mexico; and 2.4° below in Texas. Changes of temperature from day to day averaged large, but the weather was not so severe as during the preceding month. The coldest generally occurred from the 4th to the 6th, when temperatures below freezing were recorded southward to the extreme lower Texas coast. In many western localities, however, the coldest occurred either on the 21st or from the 25th to 27th. Unusually warm weather prevailed from the 16th to the 20th. The diurnal range of temperature varied from about 12° on the Texas coast to about 39° in the middle Rio Pecos Valley.

The highest and lowest temperatures reported were: In Colorado, 56° at Garnett on the 16th and —13° at Manassa on the 27th; in New Mexico, 82° at Artesia and at Carlsbad on the 18th and —7° at Tres Piedras on the 26th; and in Texas, 98° at Fort McIntosh on the 19th and 1° at Seymour on the 4th. The local monthly means ranged from 19.7° to 27.8° in Colorado; from 24.7° to 46° in New Mexico; and from 38.9° to 60.2° in Texas.

PRECIPITATION.

The precipitation over the Rio Grande watershed averaged 0.62 inch, which is 0.41 inch less than normal. The monthly amounts were greater than normal in New Mexico from Estancia to Three Rivers, but there was a market deficiency over the long stretch from Oro Grande, N. Mex., nearly to the Gulf. The greatest amount was 2.84 inches at Tecolote, N. Mex., while there was no precipitation at Fort McIntosh and Sonora, Tex., and a trace only at Fort Clark, Tex., and at 3 stations in New Mexico.

The precipitation over the Rio Pecos watershed averaged 0.91 inch, which is about normal. There was a considerable excess over the headwaters, but little or no precipitation over the Texas portion of this drainage basin. The greatest monthly amount was 3 inches at Pastura, N. Mex., while 2 stations in Texas had no precipitation and 3 others only a trace.

The Texas watersheds from the Nueces to the Brazos, inclusive, had an excess of precipitation, ranging from 0.38 inch for the Brazos to nearly 2 inches for the Guadalupe. The precipitation over the coastal plains averaged about normal, while over the Trinity, Neches, and Sabine watersheds it was deficient, with shortages ranging from 0.36 inch for the Neches to 1.44 inches for the Sabine. The following are the average monthly amounts in inches for the various watersheds: Nueces, 2.85; San Antonio, 3.78; Guadalupe, 3.63; Lavaca, 3.14; Colorado, 1.96; Brazos, 2.26; Trinity, 1.86; Neches, 2.29; Sabine, 2.23; and coastal plains, 2.48. The greatest monthly amount was 6.43 inches at Rossville in the Nueces drainage basin, and the least, 0.45 inch at Lamesa, in that of the Colorado.

RIVER CONDITIONS.

The rivers were low during the greater part of the month. The rains of the 12th and 13th had very little effect on the stream flow because the soil was dry and most of the moisture was absorbed. The rains of the 23d and 24th caused sharp rises in the Guadalupe and in the lower Colorado, and moderate rises in the Brazos and Trinity. Warnings of sharp rises were issued on the evening of the 23d for the Guadalupe and lower Colorado, and on the morning of the 24th for the lower Brazos. Flood stage was attained only in the Guadalupe. This

stream reached a stage of 23.2 feet, or 1.2 feet above the danger point, at Gonzales on the 25th, and of 19.9 feet, or 3.9 feet above flood stage, at Victoria on the 28th. No damage was done, and the rise subsided as rapidly as it came.

SNOWFALL IN THE MOUNTAINS.

While the precipitation averaged below the normal, unusually heavy snow occurred from the 23d to 25th, accompanied by high winds, which caused much drifting into the arroyos and canyons. Cold weather checked melting in the higher districts, and the snow is now generally well packed and icy, except in the case of recent falls. On the other hand, the ground is deeply frozen and the run-off, when melting begins, will be more rapid and lessen the duration of the late flow from this source. Whether the early flow will reach the average on the Rio Grande will depend upon the weather conditions during March, April, and May. At the close of the month the average depth over the headwaters of the Rio Grande was 10 inches less than a year ago. Deep snow over the lower levels of the Rio Pecos gives promise of favorable conditions for the early season, but lack of snow at the headwaters is unfavorable for a later stream flow.

SMUDGING AGAINST FROST.

The St. Louis Southwestern Railway Co. of Texas owns 90 acres in fruit trees at Morrill, Tex., and is experimenting with smudges as a protection against frost. Warnings of frosts, freezes, and cold waves are furnished by wire from the Weather Bureau office at New Orleans, La. Mr. W. J. Doyle, assistant agricultural and industrial agent of that company, has furnished the following preliminary report, which will explain itself:

All of the fruit growers in East Texas are keeping their eyes on the experiment which we are carrying on at our farm at Morrill, Tex., and if it proves out like I am sure it will do I know that these people will take the same precaution that we have for the coming years. So far we have burned our smudges three nights. You understand, we have 90 acres in trees, and only 45 acres of it in smudges. The warning of Tuesday, February 27, was very timely, and our superintendent lit the smudges at 11 o'clock and closed them out at 7 in the morning. In comparing the condition of the 45 acres with the smudges and the others there is a decided difference in the condition of the trees and buds. The ones with the smudges are in a much better state of development than the others and show no evidence whatever of cold, while in some instances in the orchard unprotected, they were touched just a little, not enough to damage, but at the same time noticeable. The service has been very good so far.

STORM OF FEBRUARY 20, 1912, AT AUSTIN, TEX.

By Prof. ALEXANDER DEUSSEN, in charge of the meteorological observatory of the University of Texas, Austin, Tex.

An unusually violent wind storm raged in Austin on the night of the 20th of February, 1912.

The phenomenon was that of the "norther," developed in an intense degree. Never in the experience of the writer nor in the records of the local observatory has there been a wind accompanying a norther of such violent and destructive proportions.

On the morning of the 20th the observatory barometer was unusually low, exciting apprehension, and being the subject of comment at the time. The lowest was noted at 12 m., when a reading of 29.55 inches, reduced to sea-level and standard temperature, was observed. The temperature at 11 a. m. was 66°, the humidity was 84 per cent, and the wind in the southwest, having veered from a south-southeast direction, and blowing at the low velocity of 2.66 miles per hour.

The morning weather map showed a well-defined low, central over northeast Texas, with a pressure reading at the center of 29.5 inches, and a well-defined high, central over Wyoming, Idaho, and Montana, with a reading at the center of 30.5 inches. A very steep barometric gradient was lying over the Texas Panhandle and the State of Colorado, and high winds, with a cold wave, to advance over Texas, was a logical inference.

At 12 m. the barometer began to move upward, rising 0.05 of an inch and falling back to 29.55 inches in the space of two hours. At the same time the wind shifted to the west-northwest, but the velocity was not high, being 33 miles per hour.

At 3 p. m. the front of the advancing mass of cold, dry air, characterizing the high, had reached the latitude of Austin, as evidenced by the sudden rise of the barometer and the sudden fall in temperature and humidity, shown by the recording instruments in the observatory. At the same time the velocity of wind increased, but not in a very notable degree.

From 3 p. m. until 8 p. m. the barometer rose steadily and rapidly, and the winds increased steadily in velocity, but they did not obtain noticeable violence, or violence beyond that commonly observed in a norther, until 6 p. m.

At 8 o'clock the winds, having steadily increased in fury, were causing much apprehension. In response to an urgent appeal from the correspondent of the Dallas News for some data on the velocity of the wind and the movements of the barometer, the writer ventured to the observatory and took some readings. The velocity for five-minute intervals was then at the rate of 60 miles per hour, and the wind-pressure gauge was showing maximum gusts in the amount of 19 pounds to the square foot.

At 8 p. m. the barometer dropped suddenly from 29.85 to 29.76 inches, reduced to sea level, in the space of 30 minutes, and then continued the rise, getting back to the former position of 29.85 inches in the course of two hours. During this period of fluctuation in the barometer the storm attained to maximum violence and to hurricane intensity, the anemometer indicating a velocity for a five-minute interval of 69 miles to the hour, and the wind-pressure gauge indicated a maximum gust pressure of 31 pounds to the square foot, equal to a velocity, if maintained for an hour, of 78 miles.

After 10 p. m. the wind gradually lulled. Gusts came less frequently, were not so violent, and longer intermittent spells of low winds became more common. After 12 midnight the winds subsided, blowing at that time at a velocity of 36 miles per hour. The barometer continued its rise until 11.30 p. m., reaching its maximum at that time, when the reading was 30.17 inches, reduced to sea level. In the course of 11½ hours it had risen 0.62 of an inch, or from 29.55 to 30.17 inches.

The storm was especially noteworthy, first because of the extreme velocity of the winds, and second because of the departure from the usual sequence of "norther" or cold-wave phenomena. Commonly maximum velocities are attained very shortly after the barometer begins its rise, usually an hour later, and from that time on gradually weakens. In this instance a steady increase in velocity was noted for at least nine hours after the approach of the advancing cold, dry air sheet. Further, the violently fluctuating barometer during the advance of the cold-air sheet indicated highly abnormal atmospheric conditions.

During the entire course of the storm, with the exception of a brief interval at the time of maximum severity, between 8.30 and 10 p. m., the sky was absolutely

TABLE 1.—*Climatological data for February, 1912. District No. 8, Texas and Rio Grande Valley.*

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.							Precipitation, in inches.				Number of rainy days, 0.01 inch or more.	Sky.			Prevailing wind direction.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.		Number of clear days.	Number of partly cloudy days.	Number of cloudy days.		
Colorado.																				
Blanca	Costilla	7,865	3																	Dr. L. C. Audrain.
Cumbres	Conejos	10,015	5								1.37		0.35	14.7	7	11	9	9	sw.	Mrs. Ida M. Lively.
Garnett	Costilla	7,576	19	24.0	+ 0.4	56	16	− 11	25†	49	0.13	− 0.10	0.13	1.5	1	9	15	5	nw.	Chas. Speiser.
Hermit	Hinsdale	9,843	5																	Marion Mason.
La Veta Pass	Costilla	9,000	2								2.45		0.98	52.7	6	5	15	9	w.	Clara M. Wright.
Manassa	Conejos	7,700	6	24.1		52	17†	− 13	27	51	0.32		0.25	5.0	3	11	11	7	sw.	J. B. Chapman.
Platoro	do	7,675	5																	Walter R. Hook.
Saguache	Saguache	7,740	20	27.8	+ 2.2	52	4	− 2	4	54	0.05	− 0.27	0.05	1.0	1	12	2	15	nw.	Eugene Williams.
San Luis	Costilla	7,794	21	26.3	+ 0.9	54	17	− 2	21	47	0.11	− 0.50	0.10	1.1	2	16	7	6	sw.	P. B. Albright.
Wagon Wheel Gap Experiment Station.	Mineral	9,235	1	19.7	+ 2.9	40	17	− 8	21	41	0.34	− 0.54	0.23	4.0	6	18	5	6	nw.	U. S. Weather Bureau.
New Mexico.																				
Agricultural College	Dona Ana	3,863	51	44.0	− 2.4	74	18	15	3†	49	0.08	− 0.38	0.08	0	1	15	12	2	w.	New Mex. Agricultural Coll.
Alamogordo (near)	Otero	4,338	15	44.4	− 1.3	77	18	14	21	52	0.61	− 0.01	0.61	6.0	2	8	14	7	sw.	Herbert Crippen.
Alamogordo	do	4,320	3								0.71		0.65	6.0	2					Agent E. P. & S. W. R. R.
Alamos Ranch	Sandoval	7,800	2								0.81		0.61	15.0	2	25	1	3	sw.	Harold H. Brooks.
Albuquerque	Bernalillo	5,000	36								0.19		0.16	3.0	2	24	5	0	w.	Pitt Ross, C. E.
Ancho	Lincoln	6,112	3								0.60		0.34	9.0	4	22	5	2	w.	Agent E. P. & S. W. R. R.
Anchor Mine	Taos	10,600	1								1.78		0.52	32.0	6	9	2	18	nw.	C. H. Brigham.
Artesia	Eddy	3,350	4	43.9		82	18	10	4†	55	0.42		0.25	T.	2	17	5	7	se.	Will Benson, C. E.
Aspen Grove Ranch	Rio Arriba	9,000	3								0.86		0.63	15.2	2	10	15	4		Junius D. Maupin.
Banks	Roosevelt										1.15		1.15	10.0	2	22	5	2	s.	A. Hawkins.
Batemans Ranch	do	8,900	3								0.91		0.40	14.2	3	16	10	3	w.	John W. Bateman.
Berino	Dona Ana	3,788	1								T.		T.	0	0	28	1	0		J. C. Rishaberger.
Bluewater	Valencia	6,732	10	29.8	− 1.6	60	7†	− 1	2†	57	0.31	− 0.33	0.25	3.5	2	16	13	0	w.	Bluewater Development Co
Boaz	Chaves	4,154	3	40.2d		76	18	9g	4	53	0.25		0.25	2.0	1	17	11	1	w.	D. C. Savage.
Capitan	Lincoln	6,348	3								0.96		0.57	15.5	5	1	21	7	n.	Agent E. P. & S. W. R. R.
Carlsbad	Eddy	3,120	17	45.4	− 1.7	82	18	10	4	54	0.45	+ 0.05	0.30	2.0	2	17	8	4	nw.	U. S. Reclamation Service.
Carrizozo	Lincoln	5,429	4	39.1		67	18	10	4	48	0.92		0.50	9.5	2	22	1	6	sw.	Agent E. P. & S. W. R. R.
Chama	Rio Arriba	7,851	14	24.7	− 1.5	47	18	− 2	21	39	0.60	− 2.27	0.20	7.5	4	23	3	3	sw.	Frank C. Johnson.
Cloudcroft	Otero	8,650	10	30.7	− 0.1	51	3	4	21	30	1.42	− 0.43	0.97	20.5	3	15	12	2	w.	Agent E. P. & S. W. R. R.
Corona	Lincoln	6,666	3																	Do.
Coyote	do	5,800	3								0.67		0.51	6.0	3	27	0	2	sw.	Do.
Cundiyo	Santa Fe	6,889	3								0.06		0.06	1.1	2	13	11	5	w.	Juan Vijil.
Demonstration Farm	San Miguel	6,800	3								2.35		2.35	16.0	2					Erb & Westerman.
Duran	Torrance	6,272	3								1.27		0.80	12.0	3	23	2	4		Agent E. P. & S. W. R. R.
Escondido	Otero	4,014	3			72	18				0.39		0.26	1.5	2	22	5	2	n.	Do.
Espanola	Rio Arriba	5,590	14	32.7	− 2.4	61	19	3	26	45	0.56	+ 0.21	0.48	6.0	2	15	7	7	s.	Mrs. Ella F. McBride.
Estancia	Torrance	6,140	7	37.0		65	1	10	24	38	1.40	+ 0.68	1.10	12.0	3	12	12	5	e.	Agent N. Mex. Central R. R
Fort Stanton	Lincoln	6,231	35	36.8	− 1.7	72	14	− 5	21	59	0.53	− 0.17	0.40	7.0	2	22	5	2	w.	U. S. Sanitarium.
Fort Sumner	Guadalupe	3,960	4																	F. A. Manzanares.
Gallinas	Lincoln	6,635	3								0.95		0.95	14.0	2	14	6	9	w.	Agent E. P. & S. W. R. R.
Gallinas Planting Station.	San Miguel	7,500	5	30.5		58	18	− 3	4	45	1.50		0.63	19.5	5	17	6	6	sw.	U. S. Forest Service.
Glorieta Ranch	Socorro	5,700	2																	Charles M. Crossman.
Harvey's Upper Ranch.	San Miguel	9,400	3								1.82		0.67	35.2	8	14	11	4	se.	Simon B. Warner.
Hillsboro	Sierra	5,224	14																	Dr. F. I. Givens.
Hodges	Taos	8,484	2								0.55		0.24	7.0	3	17	9	3	nw.	A. J. Armstrong.
Hondo Reservoir	Chaves	3,904	3	40.2		76	18	7	5	56	0.45		0.35	4.5	2	19	7	3	se.	U. S. Reclamation Service.
Jemez Springs	Sandoval	6,100	2	34.8		56	18	10	4	32	0.40		0.40	6.5	2	15	10	4	s.	Linus L. Shields.
Knowles (near)	Eddy	4,300	2	40.2		75	18	3	4	47	0.50		0.50	4.0	1	15	10	4	sw.	J. W. Mosley.
Laguna	Valencia	5,840	7	38.7		63	12	12	5†	46	0.36		0.27	4.0	2	20	5	4	w.	Guss Weiss.
Lagunita	Guadalupe	4,500	7	37.2		65	12†	7	26	46	1.63		1.31	10.5	3	12	8	9	w.	P. A. Turnbull.
Lake Valley	Sierra	5,412	7								0.11		0.11	1.0	1	17	11	1	sw.	William P. Keil.
Lakewood	Eddy	3,170									0.28		0.25	3.0	2	15	10	4	se.	Miss J. Knapp.
Las Vegas	San Miguel	6,385	25	31.0	− 3.1	60	14†	− 5	27	50	2.07	+ 1.10	2.00	17.2	4	23	4	2	w.	N. Mex. Normal University.
Liston	Chaves	5,000	2								1.29		1.20	6.0	3	15	12	2	sw.	H. G. Liston.
Los Lunas (near)	Valencia	4,900	23	37.3	− 1.2	71	18	7	21	51	0.61	+ 0.12	0.42	6.0	2	9	18	2		Richard Pohl.
Magdalena	Socorro	6,557	7	36.0		62	18	6	4	42	0.80		0.40	8.0	2	17	11	1	w.	William Pender.
Mescalero	Otero	6,627	1	33.8		60	18	6	21	40	1.08		0.85	10.9	3	20	5	4	sw.	Rev. R. H. Harper.
Mineral Hill	San Miguel	7,050	7								1.15		1.07	16.0	4		26	3	w.	W. M. Nelson.
Monterey	Otero	4,436	3			70	11†	20	21		0.50		0.30	6.5	2	23	5	1		Agent E. P. & S. W. R. R.
Mountainair	Torrance	6,547	10	34.8	− 1.1	64	18	− 3	4	47	1.38	− 0.13	0.82	10.0	3	20	6	3	sw.	Miss Julia Hill.
Newman	Otero	3,989	3													21	1	7	w.	Agent E. P. & S. W. R. R.
Noria	Dona Ana	4,114	3			72	11†	10	21		T.		T.	T.	0	26	2	1	w.	Do.
Orogrande	Otero	4,171	3			74	18	18	21		0.14		0.12	0.5	2	18	8	3	w.	Do.
Oscura	Lincoln	5,016	3			72	18	15	4		0.69		0.68	6.0	3					Eugene F. Jones.
Otis	Eddy	3,100	3								0.34		0.28	T.	2	20	6	3	s.	A. M. Hove.
Otto	Santa Fe	6,200	3								1.58		1.15	15.8	3					Otto Goetz.
Pastura	Guadalupe	5,285	3			66	13	8	21		3.00		1.71	27.6	4	17	5	7	w.	Agent E. P. & S. W. R. R.
Placitas (near)	Bernalillo	8,000	1	31.6		55	18	3	4	38	1.89		1.21	34.0	2	22	3	4	w.	George C. Ellis.
Plainview	Chaves	4,300	1																	L. P. Adair.
Red River Canyon	Taos	8,956	5	26.4		55	11	− 5	6†	54	0.96		0.54	15.0	4	13	11	5	e.	Mrs. L. R. Penn.
Rincon	Dona Ana	4,030	18	44.8	− 1.1	79	18	12	3	56	0.34	− 0.16	0.34	T.	1	11	9	9	s.	Charles H. Raitt.
Rio Grande Dam	Sierra	4,265	22	46.0	+ 2.2	76	17	18	5	46	0.20	− 0.12	0.20	2.5	1	26	2	1	se.	U. S. Reclamation Service.
Rio Grande Industrial School.	Bernalillo	5,000	1	36.1		68	18	8	21	45	0.14		0.11	2.5	2	16	10	3	nw.	Rev. A. C. Heyman.
Rosedale	Socorro	6,910	7	37.1		60	16†	8	4	44	0.25		0.25	3.0	1	18	10	1	w.	Mrs. J. J. MacInness.
Roswell	Chaves	3,578	18	40.5	− 2.2	77	18	10	5	50	1.32	+ 0.71	0.96	11.8	3	14	12	3	nw.	U. S. Weather Bureau.
San Marcial	Socorro	4,439	15	42.0	− 2.0	77	19	16	2	44	0.44	+ 0.08	0.37	4.0	2	22	5	2	ne.	Agent A. T. & S. F. R. R.
San Rafael	Valencia	6,509	15	36.6		67	18	7	21	53	0.26	− 0.40	0.14	3.0	3	21	2	6	nw.	Dr. Charles M. Grover.
Sante Fe	Santa Fe	7,013	39	30.3	− 1.8	55	18	5	4	34	0.40	− 0.47	0.34	6.1	4	17	10	2	n.	Section Center.
Santa Fe Canyon	do	8,000	2								0.65		0.36	7.0	4	17	5	7	ne.	C. Martinez.
Santa Rosa	Guadalupe	4,624	11	36.4		68	18	2	26	50	1.47	+ 0.67	1.15	14.0	3	12	6	11	e.	H. V. B. Smith, C. E.
Socorro	Socorro	4,600	20	42.9	+ 1.0	70	22	12	1†	50	0.86	+ 0.37	0.55	7.0	3	23	5	1	n.	J. J. Leeson.
Stanley	Santa Fe	6,317	3	32.4		61	18	1	4	48	0.66		0.48	6.5	3	15	12	2	nw.	George R. Camp.
Strauss	Dona Ana	4,080	13								T.	− 0.35	T.	T.	0	25	2	2	w.	Agent So. Pac. Ry.
Taos	Taos	6,983	17	31.7	− 0.2	56	17	10	20	40	0.29	− 0.68	0.25	3.7	2	19	10	0	sw.	Alexander Gusdorf.
Taos Canyon	do	8,959	3								0.97		0.41	12.2	6	17	7	5		L. Martinez, jr.
Tecolote	Lincoln	6,539	3								2.84		2.00	12.5	4	14	8	7	w.	Agent E. P. & S. W. R. R.
Three Rivers	Otero	4,559	3			67	18†	22	21		0.67		0.50	4.0	2	17	10	2	sw.	Do.
Tijeras Canyon	Bernalillo	6,214	2								0.83		0.65	13.0	2	20	5	4	nw.	U. S. Forest Service.
Torrance	Torrance	6,433	3								1.92		1.40	16.0	4	18	9	2	nw.	Agent E. P. & S. W. R. R.
Tres Piedras	Taos	8,076	9	25.9		49	14	− 7	26	46	0.57	− 0.54	0.30	6.0	3	16	3	10	sw.	U. S. Forest Service.
Truchas	Rio Arriba	7,935	3	28.8		50	18	6	27	33	0.50		0.22	6.9	3	6	17	6	w.	Miss Ruth Rendon.

TABLE 1.—*Climatological data for February, 1912. District No. 8*—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit. Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Precipitation, in inches. Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	Number of rainy days, 0.01 inch or more.	Sky. Number of clear days.	Number of partly cloudy days.	Number of cloudy days.	Prevailing wind direction.	Observers.
New Mexico—Contd.																				
Tularosa	Otero	4,436	3																	I. L. Fairless.
Vaughn	Guadalupe	5,952	3								2.10		1.92	26.0	2	18	3	8	w.	Agent E. P. & S. W. R. R.
Virsylvia	Taos	7,500	2	29.8		50	17	2	26	32	0.24		0.09	2.8	6	18	8	3	s.	Dr. I. N. Woodman.
Winsors	San Miguel	8,200	16	25.9	− 2.2	52	14	0	3†	50	0.90	− 0.72	0.55	10.0	4	13	5	11	w.	Henry D. Winsor.
Texas.																				
Abilene	Taylor	1,738	27	44.1	− 0.7	81	18	10	4	41	1.16	+ 0.02	0.78	0.2	5	12	11	6	n.	U. S. Weather Bureau.
Albany	Shackelford	1,429	18	40.4	− 5.7	80	18	5	4	46	2.35	+ 1.31	1.90	T.	3	20	1	8		N. L. Bartholomew.
Alice	Jim Wells	209	1	54.4		86	19	25	4†	42	4.10		1.80	0	3	17	2	10	se.	R. M. Boerum.
Alpine	Brewster	4,482	2								T.		T.	T.	0	22	7	0	w.	J. Frank Dobie.
Alvin	Brazoria	49	14	49.6		77	25	22	5	36	3.99	+ 0.77	2.35	0	4	13	11	5	n.	Alvin Japanese Nursery.
Anahuac	Chambers	23	3								2.34		1.54	0	4					B. H. Collins.
Antelope	Jack		1								1.95		1.28	2.0	7	13	10	6		Paul Rudolph.
Aspermont	Stonewall		1								1.08		0.66	0	3	15	3	11	n.	Bryant Link Co.
Austin	Travis	593	56	48.6	− 4.5	74	19†	15	4	37	3.50	+ 1.10	1.90	0	4	20	5	4	nw.	A. Deussen.
Ballinger	Runnels	1,637	16	47.1	+ 0.7	82	18	12	4†	48	1.61	+ 0.92	1.26	0	2	20	1	8	n.	E. M. Eubank.
Barstow	Ward	2,573	5	47.6		81	19	11	5	57	0.00		0.00	0	0	23	2	4	e.	Lee F. Freeman.
Bay City	Matagorda	53	2					23	5		1.57		0.97	0	2	15	5	9	s.	E. C. Quereau.
Beaumont	Jefferson	29	11	52.1	− 0.5	76	25	32	2†	39	3.31	− 0.41	1.57	0	7	17	0	12	n.	John Bender.
Beeville	Bee	225	16	54.6	− 1.6	84	19	22	4	37	4.82	+ 2.86	3.49	0	3	17	6	6	se.	L. E. Dickey.
Big Springs	Howard	2,396	14	45.2	− 2.5	80	18	9	4	47	1.02	+ 0.57	0.61	T.	4	20	5	4	s.	B. Reagan.
Blanco	Blanco	1,350	16	46.2	− 1.6	79	19	11	5	42	3.16	+ 1.77	1.95	0	2	18	9	2	nw.	R. C. Crist.
Boerne	Kendall	1,412	20	52.0	+ 2.5	86	2	20	4	64	3.55	+ 1.91	1.65	0	3	17	4	8	n.	F. W. Schweppe.
Booth	Fort Bend	81	11								1.84	− 1.21	1.10	0	3	19	0	10	n.	T. R. Booth.
Bowie	Montague	1,113	17	43.4	− 1.8	76	18	9	4	42	1.88	+ 0.65	0.81	2.0	6	14	5	10	n.	Craig Anderson.
Brady	McCullough	1,500	11																	J. W. Griffin.
Brazoria	Brazoria	25	23	54.4	− 1.3	80	20†	20	6	46	2.55	− 0.86	1.54	0	4	18	8	3	n.	Mrs. M. A. Stevens.
Brazos	Palo Pinto	801	3								1.73		1.43	0	3	16	5	8	n.	Robt. E. Boyett.
Brenham	Washington	350	27	49.2	− 4.4	80	19	17	4	37	3.25	+ 0.38	2.00	0	2	16	2	11	n.	Mrs. B. F. Sloan.
Bridgeport	Wise	754	3								1.17		0.65	T.	6	16	4	9	n.	Claude Strange.
Brighton	Nueces	12	19	57.8	+ 0.9	88	19	25	7	44	2.93	+ 1.06	1.45	0	3	22	2	5	se.	G. H. Ritter.
Brownsville	Cameron	38	48	59.3	− 3.5	94	20	27	6	30	0.17	− 1.22	0.17	0	1				s.	U. S. Weather Bureau.
Brownwood	Brown	1,342	20	44.7	− 3.9	83	19	10	5	51	2.02	+ 0.90	1.60	T.	6	17	8	4	n.	Mrs. Pearl Smith.
Cameron	Milam		4	47.8		81	19	14	5	50	3.30		1.98	0	5	22	4	3	n.	J. E. Watts.
Carmona	Polk	330	4	48.6		78	19	16	5	45	2.73		1.75	0	5	20	4	5	s.	M. S. Spitler.
Claytonville	Fisher	2,100	17	44.8	− 0.5	80	17	9	4†	42	1.48	+ 0.85	1.08	0	3	7	5	17	w.	Wm. Lanius.
Clifton	Bosque	671	1								2.43		1.03	0	4	16	8	5	n.	R. M. Jones.
Coleman	Coleman	1,710	18	48.0	+ 0.3	80	18	12	4	40	2.35	+ 1.32	1.81	T.	3	6	15	8	sw.	J. E. Stevens.
Collegeport	Matagorda			51.5		76	20	20	4†	43						17	4	8	nw.	H. A. Clapp.
College Station	Brazos	308	22	52.0	+ 0.2	79	19	16	4	49	2.53	+ 0.12	1.33	0	5	17	5	7	n.	Prof. G. S. Fraps.
Colorado	Mitchell	2,066	18	45.2	− 2.3	80	18	8	4	49	1.20	+ 0.67	0.65	T.	3	22	3	4	s.	R. M. Webb.
Columbia	Brazoria	34	23	53.3	− 2.0	75	25	20	5	45	2.95	− 0.35	2.00	0	2	14	12	3	n.	R. B. Loggins.
Columbus	Colorado	206	8								5.62		3.52	0	2	16	6	7	n.	Mrs. Sophie Bridge.
Corpus Christi	Nueces	20	25	55.5	− 2.2	83	20	25	4	36	1.49	− 0.61	1.10	0	3	13	12	4	e.	U. S. Weather Bureau.
Corsicana	Navarro	445	23	43.8	− 5.8	77	18†	12	4†	43	2.38	− 0.15	1.95	0	5	14	4	10	s.	D. H. Winn.
Cotulla	La Salle	425	5								1.00		1.00	0	1					Holland Agr. Co.
Crockett	Houston	350	8	49.4		80	19	15	4	40	2.21		1.00	0	4	19	4	6	n.	A. M. Rencher.
Cuero	De Witt	177	22	51.0	− 3.6	75	3	19	4	43	4.55	+ 2.07	2.35	0	4	22	0	7	n.	H. R. Frobese.
Dallas	Dallas	466	23	44.1	− 3.0	80	18†	10	4†	52	1.46	− 1.30	1.10	T.	7	17	1	11	s.	G. A. Eisenlohr.
Danevang	Wharton	145	16	52.5	− 2.3	78	20	18	6	44	1.50	− 1.60	1.10	0	2	24	2	3	se.	H. P. Hermansen.
Decatur	Wise	1,047	16								1.10	− 0.89	0.60	0	3	15	7	7		Ft. Worth & Denver City Ry.
Del Rio	Valverde	952	6	51.4	− 2.2	92	19	18	5	51	0.37	− 1.50	0.35	0	4	19	6	4	se.	U. S. Weather Bureau.
Devine	Medina	653	2	52.2		78	3†	18	4	49	3.83		1.50	0	3	20	5	4	se.	M. A. Keller.
Dialville	Cherokee	575	8	48.0		76	19	12	4	47	1.72		1.04	0	5	15	8	6	n.	J. M. B. McKnight.
Dilley	Frio	569	2								2.05		1.05	0	2					John W. Miller.
Dublin	Erath	1,466	16	44.5	− 1.5	80	18	9	4	51	1.71	+ 0.66	1.22	0	4	10	10	9	s.	Jno. O. Shafer.
Duval	Travis	820	23	50.2	− 2.7	79	20	15	4	39	3.61	+ 1.82	2.16	0	3	22	3	4	s.	J. C. Edgar.
Eagle Pass	Maverick	800	35	53.6	− 2.4	90	19	20	5	47	0.37	− 0.44	0.15	0	3	20	6	3	s.	Charles Tarver.
Eastland	Eastland	1,420	5	44.0		79	18	7	5	49	3.65		3.25	T.	4	12	3	14	sw.	Wm. D. Cook.
Edna	Jackson	71	3								1.66		1.28	0	2					E. L. Faires.
El Paso	El Paso	3,762	33	46.4	− 2.5	73	18	18	4	41	0.15	− 0.32	0.15	T.	1	20	9	0	nw.	U. S. Weather Bureau.
Encinal	La Salle	558	4	54.2		95	19	24	5	50	0.70		0.70	0	1	21	0	8	n.	Walter Pettit.
Eola	Concho		1								0.65		0.65	T.	1					E. W. Neal.
Fairland	Burnett	1,000	23	48.2	− 1.8	78	18	13	4	54	2.18	+ 0.08	1.15	0	3	20	5	4	n.	R. L. Bush.
Falfurrias	Brooks		4	57.3		93	20	22	7	47	1.63		1.10	0	3	24	1	4	se.	W. A. Gardner
Flatonia	Fayette	465	4	52.8		79	20	16	4	49	4.53		2.35	0	3	18	4	7	n.	Fred W. Laux.
Flint	Smith	483	2	46.0		79	19	12	4	43	1.73		0.70	0	7	17	5	7	nw.	F. C. C. Carter.
Fort Clark	Kinney	1,050	41	49.2	− 5.7	81	20	19	3	40	T.	− 0.74	T.	0	0	21	6	2	nw.	Post Hospital.
Fort Davis	Jeff Davis	5,000	33								0.05	− 0.45	0.05	1.0	1					T. J. Dumble.
Fort McIntosh	Webb	460	44	58.8	− 1.4	98	19	19	6	56	0.00	− 1.03	0.00	0	0	19	4	6	e.	Post Hospital.
Fort Stockton	Pecos	3,050	15	48.8	− 0.9	81	18†	6	4	48	T.	− 0.40	T.	T.	0	10	2	17	s.	H. H. Butz.
Fort Worth	Tarrant	670	17	45.6	− 2.6	82	18	10	4	43	1.22	− 0.10	0.76	T.	6	15	7	7	nw.	U. S. Weather Bureau.
Fredericksburg	Gillespie	1,742	23	47.6	− 3.0	84	19	12	4	41	2.03	+ 0.56	1.06	0	3	20	5	4	n.	Arthur Striegler.
Gainesville	Cooke	738	22	45.0	+ 0.4	81	19	10	4	46	1.51	− 0.31	0.40	0	7					J. L. Hickson.
Galveston	Galveston	69	41	52.0	− 3.6	70	25	27	4	27	1.91	− 1.30	0.95	0	5	15	10	4	nw.	U. S. Weather Bureau.
Gatesville	Coryell	795	8			80	19	9	5		1.75		0.90	0	3					John Ryan.
Georgetown	Williamson	750	17	45.6	− 4.3	77	19	12	5†	52	2.57	+ 0.47	1.80	0	5	23	3	3	n.	Prof. R. F. Young.
Gonzales	Gonzales	299	7								3.10		2.10	0	2	20	1	8	s.	J. M. Johnson.
Gorham	McLennan	444	3					9	5		3.40		2.50	0	3	18	5	6	n.	John Gorham.
Graham	Young	1,040	13					7	5		2.84	+ 1.68	1.59	1.5	5	17	4	8	n.	C. W. Johnson.
Grand Falls	Ward		2								0.00		0.00	0	0	19	6	4		W. A. White.
Grand Saline	Van Zandt	399	2								2.86		1.07	0	7	17	6	6	ne.	Jas. Kirk.
Grapevine	Tarrant	670	22	46.7	− 0.4	81	18	11	4	44	0.76	− 1.02	0.53	0.5	3	8	13	7	n.	W. J. Crowley.
Greenville	Hunt	550	12	41.0	− 5.0	74	19	10	4	40	1.85	− 0.77	1.20	0	5	18	0	11	n.	J. P. Regan.
Halletsville	Lavaca	235	20	51.8	− 2.4	77	30	19	4	38	4.61	+ 2.21	2.53	0	2	20	5	4	n.	Dr. J. E. Lay.
Hamlin	Jones	1,685	1								1.70		1.20	T.	2					W. S. Carruthers.
Harlingen	Cameron	37	1	63.8		95	20	31	7	40	1.78		0.97	T.	3	17	3	3		Lindsay Waters.
Harper	Gillespie		1								0.79		0.56	0	2	20	0	9		Christian Fritz.
Haskell	Haskell	1,553	17	42.2	− 2.7	79	18	11	4	41	1.64	+ 0.66	0.70	1.0	5	19	4	6	n.	P. D. Sanders.
Hebbronville	Duval		5								2.20		1.20	0	2					Henry Edds.
Hempstead	Waller	254	8								2.80		1.75	0	3	15	7	7	n.	J. H. Hancock.
Henderson	Rusk	500	3								1.59		0.82	0	6	14	6	9		M. Kangerga.
Hewitt	McLennan	664	17								2.95	+ 0.71	2.29	0	3					I. H. Earle.
Hico	Hamilton		1								2.48		1.40	0	4	19	0	10	n.	John A. Eakins.
Hillsboro	Hill	628	9	49.0		85	20	9	5	50	2.39		1.79	0	3					W. G. Escott.
Hondo	Medina	901	13	50.0		78	18†	17	5	42	2.26	+ 0.86	1.12	0	3	20	3	6	n.	H. E. Haass.

TABLE 1.—*Climatological data for February, 1912. District No. 8*—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit. Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Precipitation, in inches. Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	Number of rainy days, 0.01 inch or more.	Sky. Number of clear days.	Number of partly cloudy days.	Number of cloudy days.	Prevailing wind direction.	Observers.
Texas—Continued.																				
Houston	Harris	138	22	51.8	− 3.6	78	20	22	4	37	3.30	− 0.42	2.26	0	5	15	5	9	nw.	U. S. Weather Bureau.
Huntsville	Walker	400	28	46.1	− 4.4	77	19	17	4	42	3.04	− 0.25	1.68	0	2	16	0	13	se.	W. Y. Barr.
Jayton	Kent		2								0.60		0.60	0	1	21	0	8	w.	Wichita Valley Ry. Co.
Jewett	Leon	496	8	47.2		81	20	14	4†	59	2.20		1.40	0	2	22	4	3	n.	Earle Adkisson.
Junction	Kimble	1,645	11	48.9		88	19	8	5	56	0.99	+ 0.07	0.70	0	3	21	2	6	n.	Judge John S. Durst.
Kaufman	Kaufman	448	13	46.4	− 2.0	79	18	10	4	40	2.17	− 1.17	1.38	0	4	17	7	5	n.	B. J. Hubbard.
Kerrville	Kerr	1,650	16	47.6	− 3.2	87	19	10	5	56	2.05	+ 0.71	1.27	0	3	17	6	6	n.	Robert E. Horne.
Killeen	Bell			48.4		87	19	9	5	41	2.39		1.43	0	4	16	8	5	n.	J. E. Root, jr.
Knickerbocker	Tom Green	2,050	8	47.0		88	17	10	5	49	1.27		0.62	T.	3	21	2	6	nw.	Jos. Tweedy.
Kopperl	Bosque	576	15								1.82	− 1.24	0.80	0	4	15	2	12	n.	T. A. Johnson.
Lagrange	Fayette	276	2								4.55		2.82	0	3	15	5	9	nw.	August Hermes.
Lamesa	Dawson	2,500	2								0.45		0.35	1.0	3					S. D. Austin.
Lampasas	Lampasas	1,026	20	46.2	− 2.2	86	18	9	5	59	2.05	+ 0.02	0.97	0	4	18	2	9	n.	Mrs. K. I. Webber.
La Parra	Willacy	38	10					28	4†		1.25	− 0.34	0.65	0	2	19	0	10		Jno. G. Kenedy.
Laureles Ranch	Nueces	20	12								1.98	− 0.31	1.24	0	2					Matt. Cody.
Liberty	Liberty	38	8	52.2		78	25	21	6	46	2.98		1.35	0	3	16	7	6	n.	Mrs. Fannie Sneed.
Llano	Llano	1,040	21	46.3	− 4.6	81	19	14	4	48	1.60	+ 0.41	0.88	0	4	24	2	3	ne.	E. W. Torrence.
Llano Grande	Hildago	86	4	56.2		93	20	18	6†	60	2.06		1.16	0	3	17	4	8	s.	M. D. Wardlow.
Long Lake	Anderson	229	7								1.87		1.00	0	3	17	5	7	n.	Geo. W. Ellis.
Longview	Gregg	336	26	44.7	− 4.2	77	19	12	4	39	2.03	− 1.69	0.65	0	6	21	0	8	ne.	C. A. Propst.
Lubbock	Lubbock		1								1.28		1.25	0.3	2	10	14	5	ne.	A. L. Paschall.
Lufkin	Angelina	325	5	48.2		78	19	16	4	43	2.53		1.23	0	5	23	1	5	n.	T. A. King.
Luling	Caldwell	418	23	50.4	− 2.5	80	19	17	4	40	4.34	+ 1.97	2.95	0	3	21	1	7	n.	John Carter.
McGregor	McLennan	713	2								3.20		2.20	0	2	19	2	8	n.	W. H. Whitley.
Marathon	Brewster	4,043	2	44.4		74	19	11	4	42	0.40		0.40	4.0	1	15	5	9	w.	Rev. A. P. Willis.
Marble Falls	Burnet	771	4								1.44		0.97	0	3	11	3	15	n.	R. H. Cochran.
Marfa	Presidio		4								0.02		0.02	0.2	1					R. K. Colquitt.
Marshall	Harrison	375	11	46.8		77	19†	13	4	41	2.19	− 1.87	0.97	0	5	3	19	7	nw.	Lee Scott.
Matagorda	Matagorda	12	2								3.87		2.70	0	2	27	0	2	n.	W. E. McNabb.
Mexia	Limestone	537	8	44.6		80	19	10	4	47	2.42		2.00	0	5	13	6	10	n.	Miss Josephine Newman.
Midland	Midland		5	46.0		79	18	8	4	48	1.31		1.06	T.	2	16	9	4	n.	W. M. Midkiff.
Mission	Hildago	140	2	60.2		94	19	24	5	43	1.11		0.60	0	3	19	7	3	se.	Chas. M. Kennely.
Mont Belvieu	Chambers	65	2																	A. R. Shearer.
Mountain View	Pecos	2,900	2								T.		T.	0	0					Lucius W. Gosselin.
Mont Blanco	Crosby	2,750	23	39.6	− 1.4	77	18	5	4	48	1.35	+ 0.53	0.75	6.0	2	16	2	11	w.	H. C. Smith
Nacogdoches	Nacogdoches	271	13	45.0	− 5.7	78	18	15	3	42	3.57	− 0.30	1.50	0	4	17	4	8	n.	Miss Mary Hofmann.
New Braunfels	Comal	720	23	50.1	− 3.4	76	19	18	4	42	5.38	+ 3.69	2.88	0	3	20	4	5	n.	J. Giesecke.
Palestine	Anderson	510	30	46.0	− 5.0	78	19	12	4	44	1.54	− 1.97	0.70	0	4	14	7	8	nw.	U. S. Weather Bureau.
Panter	Hood	1,000	23								0.52	− 0.88	0.30	0	3					E. H. Snider.
Pearsall	Frio	629	2								3.67		2.55	0	3					Earnest De Vilbiss.
Pierce	Wharton	102	6	53.9		81	20	21	4	47	1.24		0.80	0	2	16	9	4		R. B. Pointer.
Plainview	Hale	3,370	16	38.9	− 2.7	75	18	5	4	43	1.35	+ 0.88	1.13	4.0	2	15	7	7	w.	J. F. Sander.
Port Arthur	Jefferson		1								2.50			0						Griffing Bros. Co.
Port Lavaca	Calhoun	20	11	54.5	− 1.3	81	20	23	4	34	2.29	− 0.33	1.37	0	3	18	8	3	n.	J. H. Bickford.
Post City	Garza	2,700	2																	W. L. Dodd.
Putnam	Callahan	1,591	1								2.30		2.00	0	2	16	8	5	sw.	S. M. Davis.
Raymondville	Cameron		1								1.08		0.62	T.	3	15	9	5	se.	C. H. Pease.
Ricardo	Nueces	57	3	56.5		91	19	23	7	45	2.47		1.06	0	3	16	8	5	se.	Al Patterson.
Riverside	Walker	169	8								2.50		1.55	0	2	17	0	12	n.	Mrs. C. W. Higdon.
Rockland	Tyler	136	8								0.60		0.40	0	2	16	3	10	n.	Edward Jones.
Rockport**	Aransas	12	11	58.0	+ 2.8	77	20	26	4	36	2.89	+ 0.78	2.10	0	2	12	14	3	se.	Mrs. G. B. Grewe.
Rossville	Atascosa	558	5	51.0		78	18†	15	5	45	6.43		3.02	0	5	16	8	5	se.	W. F. M. Ross.
Runge	Karnes	308	17								2.67	+ 0.02	1.63	0	3					Reiffert & Frobese.
Sabinal	Uvalde	964	8	52.2		82	18†	18	5	51	1.01		0.48	0	3	15	2	12	se.	Jas. Johnston.
Salado	Bell		2								2.94		2.10	0	3	17	0	12	n.	L. M. Crockett.
San Angelo	Tom Green	1,847	21	44.6	− 4.8	88	17	12	4	54	2.06	+ 1.21	1.46	T.	2	21	0	8	n.	Sam. Crowther.
San Antonio	Bexar	701	27	51.4	− 3.0	78	19	18	4	39	5.12	+ 3.25	2.63	0	3	14	7	8	n.	U. S. Weather Bureau.
San Augustine	San Augustine	360	3	46.3		77	19†	16	4		2.77		1.22	0	8	14	7	8		F. A. Wilson.
San Juanito	Hidalgo		3	58.8		94	20	26	6	41	1.69		1.21	0	7	14	3	12	se.	J. B. McAllen.
San Marcos	Hays	588	19	48.9	− 2.0	76	20	17	4	45	5.06	+ 3.07	3.11	0	2	20	0	9	n.	Miss L. C. Ford.
San Saba	San Saba	1,712	11	47.2	− 1.9	80	18	6	5	49	1.82	+ 0.16	1.05	0	5	19	6	4	n.	Jas. Burns.
Santa Gertrudes	Nueces		12								2.09	− 0.20	1.11	0	3					J. B. Wright, jr.
Sealy	Austin	201	1								3.34		1.27	0	3	15	5	9	n.	O. H. Albert.
Seymour	Baylor	1,320	6	39.8		80	18	1	4	54	2.55		0.93	10.5	5	16[c]	0[c]	10[c]	n.	S. C. Lee.
Snyder	Scurry		1	42.0		79	18	8	4	45	1.90		1.15	0.5	4	14	6	9	n.	J. Allen Weaver.
Somerville	Burleson	251	3	51.3		82	19	16	4	43	3.25		1.55	0	3	20	3	6	n.	Ed. Herbst.
Sonora	Sutton	2,200	8	47.9		82	18†	9	5	55	0.00		0.00	0	0	27	2	0	s.	H. Thiers.
Spur	Dickens	2,300	1	41.2		79	18	7	4	47	1.15		0.98	1.0	3	20	4	5	nw.	J. D. Reagan.
Stamford	Jones		1	40.4		68	19	9	4	36	1.35		0.81	0.6	4	14	7	8		T. A. Williams.
Stowell	Chambers		1								2.50		1.25	0	2	21	0	8	s.	Arthur Bailey.
Sugarland	Fort Bend	79	11	50.4	− 3.2	78	20	22	3	51	2.31		1.49	0	4	16	10	3	e.	Paul Rudat.
Sutherland Springs**	Wilson		2																	Dr. C. E. Ford.
Taylor	Williamson	583	11	47.8	− 3.5	78	19	14	4	50	2.97	+ 0.28	2.05	0	5	18	7	4	s.	U. S. Weather Bureau.
Temple	Bell	630	22	47.4	− 0.8	76	19	14	4	37	3.23	+ 1.06	2.40	0	3	19	5	5		W. Goodrich Jones.
Theodore	Winkler		2								0.01		0.01	0	1					W. H. Gibbs.
Thurber	Erath		2								1.55		1.12	0	4					J. K. Ball.
Tivoli	Refugio		2								1.55		1.05	0	2	10	6	13		W. H. Gisler.
Uvalde	Uvalde	937	4																	F. M. Getzendaner.
Valentine	Jeff Davis	4,421	6	43.2		74	19	8	4	58	0.13		0.13	2.0	1	21	7	1	s.	Valentine Development Co.
Valley Junction	Robertson	289	12								3.20	− 0.05	1.90	0	3	22	1	6	s.	Frank Fitzpatrick.
Victoria	Victoria	187	13	54.5	− 1.1	85	20	21	4	36	2.65	+ 0.03	1.85	0	2	21	0	8	n.	C. C. Zirjacks.
Waco	McLennan	424	23	47.8	− 2.1	76	18†	14	4†	37	4.30	+ 1.96	3.10	0	4	20	0	9	s.	E. H. Hall.
Waxahachie	Ellis	556	15	45.8	− 3.9	84	19	10	4†	50	1.95	+ 0.01	1.56	0	4	16	5	8	n.	C. D. Longserre.
Weatherford	Parker	864	23	43.4	− 1.7	76	18	10	4	40	1.45	+ 0.10	0.88	0	4	18	2	9	s.	Miss J. Stickfort.
Wills Point	Van Zandt	524	7	45.8		77	19†	11	4	40	2.21		1.10	0	5	15	5	9	n.	W. W. Gibbard.
Winters	Runnels		1								2.15		1.50	0	2					Ed. P. Eason.

[a], [b], [c], etc., indicate respectively 1, 2, 3, etc., days missing from the record.
** Temperature extremes are from observed readings of the dry bulb; means are computed from observed readings.
† Also on other dates.
T. Precipitation is less than 0.01 inch rain or melted snow.

TABLE 2.—*Daily precipitation for February, 1912. District No. 8, Texas and Rio Grande Valley.*

Stations.	Watershed.	Day of month.																													Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	
Colorado.																															
Blanca	Rio Grande																														
Cumbres	do					T.					.05		.24			T.			T.	T.	.16			.14	.35	.19	.24				1.37
Garnett	do																									.13					0.13
Hermit	do																														
La Veta Pass	do																														
Manassa	do												T.							.07				T.	*	.25					0.32
Platoro	do																														
Saguache	do																		T.	T.					.05						0.05
San Luis	do												.10						T.	.01							T.				0.11
Wagon Wheel Gap Experiment Station	do										T.		.01			T.	.04		.02					.02	.13	.12					0.34
New Mexico.																															
Agricultural College	Rio Grande																								.08						0.08
Alamogordo (near)	do																							T.	*	.61					0.61
Alamogordo	do																								.06	.65					0.71
Alamos Ranch	do																								.61	.20					0.81
Albuquerque	do												T.												.03	.16					0.19
Ancho	do																				.10				.08	.34	.08				0.60
Anchor Mine	do					*	.34						.14							T.				.28	.52	.50					1.78
Artesia	Pecos																				.17					.25					0.42
Aspen Grove Ranch	Rio Grande																								.23	.63					0.86
Banks	Pecos																			T.	T.				*	1.15					1.15
Batemans Ranch	Rio Grande												T.			T.				T.	T.			.25	.40	.26	T.				0.91
Berino	do																								T.						T.
Bluewater	do																				T.				.06	.25					0.31
Boaz	Pecos																									.25					0.25
Capitan	do																			.11	.15				.12	.57	.01				0.96
Carlsbad	do																				.15					.30					0.45
Carrizozo	Rio Grande																				T.				.42	.50					0.92
Chama	do												.16				T.							.20	.16	.08					0.60
Cloudcroft	Pecos																				.20				.25	.97					1.42
Corona	do																														
Coyote	Rio Grande																				.04				.12	.51					0.67
Cundiyo	do															T.									*	.06					0.06
Demonstration Farm	Pecos																								*	2.35					2.35
Duran	do																				.07				.40	.80					1.27
Escondido	Rio Grande																								.20	.13					0.39
Espanola	do																									.48	.08				0.56
Estancia	do																			.30					*	1.10					1.40
Fort Stanton	Pecos	T.											T.								.13					.40					0.53
Fort Sumner	do																														
Gallinas	do																								*	.95					0.95
Gallinas Planting Sta.	do			.11									T.							*	.16			T.	.60	.63					1.50
Glorieta Ranch	Rio Grande																														
Harveys Upper Ranch	Pecos	.12	T.								.09	.11		T.	.07					T.	.14			.16	.67	.46				T.	1.82
Hillsboro	Rio Grande																														
Hodges	do												T.			.07	T.								T.	.24	.24				0.55
Hondo Reservoir	Pecos												T.								.10				T.	.35					0.45
Jemez Springs	Rio Grande															T.								T.	*	.40					0.40
Knowles	Pecos												T.								.50					T.				T.	0.50
Laguna	Rio Grande																								.27	.09					0.36
Lagunita	Pecos												T.								.32				*	1.31					1.63
Lake Valley	Rio Grande										T.		T.												.11						0.11
Lakewood	Pecos																				.03					.25					0.28
Las Vegas	do	.01		T.	T.								T.								.06			T.	.70	1.30					2.07
Liston	do																				.09				*	1.20					1.29
Los Lunas (near)	Rio Grande																								.19	.42					0.61
Magdalena	do										T.		T.								T.				.40	.40					0.80
Mescalero	do													T.							.03				.20	.85					1.08
Mineral Hill	Pecos	.04		.02																	.02				1.07						1.15
Monterey	Rio Grande												T.								T.				.20	.30					0.50
Mountainair	do																				.35				.82	.21					1.38
Newman	do																														
Noria	do												T.												T.						T.
Orogrande	do																								.12	.02					0.14
Oscura	do																				.01				*	.68					0.69
Otis	Pecos																				.06				T.	.28					0.34
Otto	Rio Grande																				.23				1.15	.20					1.58
Pastura	Pecos												T.							*	.81				.48	1.71					3.00
Placitas (near)	Rio Grande																				T.			T.	.68	1.21					1.89
Plainview	Pecos																														
Red River Canyon	Rio Grande					.18			T.					.24						T.				T.	*	.54					0.96
Rincon	do																								.34	T.					0.34
Rio Grande Dam	do																								.20						0.20
Rio Grande Industrial School.	do																								.03	.11					0.14
Rosedale	do																							T.	.25	T.					0.25
Roswell	Pecos												T.								.36				.07	.89					1.32
San Marcial	Rio Grande																								.37	.07					0.44
San Rafael	do												T.											.12	*	.14					0.26
Santa Fe	do										T.		T.			.02					.02			T.	.08	.28	T.				0.40
Santa Fe Canyon	do										T.		T.			.03				.20			T.	T.	.36	.06					0.65
Santa Rosa	Pecos												T.							T.	.19				.13	1.15				T.	1.47
Socorro	Rio Grande																								.55	.27	.04				0.86
Stanley	do																				.18				*	.48					0.66
Strauss	do																								T.						T.
Taos	do												T.	T.					T.						T.	.25	.04				0.29
Taos Canyon	do					.04							.10			T.				.05		.03		T.	.34	.41					0.97
Tecolote	do																				*	.68			.16	2.00					2.84
Three Rivers	do																								.17	.50					0.67
Tijeras Canyon	do																								.65	.18					0.83
Torrance	Pecos																				.18				.08	1.40	.26				1.92
Tres Piedras	Rio Grande																							.02	.25	.30					0.57
Truchas	do										T.		T.	T.		.08								T.	.22	.20					0.50
Tularosa	do																														
Vaughn	Pecos																			.18					1.92						2.10
Virsylvia	Rio Grande					.09							.03			.05				.04				.01		.02					0.24
Winsors	Pecos																				.01	.03		T.	.55	.31					0.90

TABLE 2.—*Daily precipitation for February, 1912. District No. 8*—Continued.

Stations.	Watershed.	Day of month.																													Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	
Texas.																															
Abilene	Brazos												.77	.02							.03			.03		.31					1.16
Albany	do												1.90								.10				.35						2.35
Alice ‖	Coast													1.75										.55	1.80						4.10
Alpine	Pecos																				T.										T.
Alvin	Coast									.08				2.35			.04								1.52						3.99
Anahuac	do									.22				1.54			.04							.54							2.34
Antelope	Trinity												1.28	.02		.13	T.				.08			.22	.18	.04					1.95
Aspermont	Brazos													.66							.03				.39						1.08
Austin	Colorado												.34	1.24										1.90		.02					3.50
Ballinger ‖	do													1.26												.35					1.61
Barstow	Pecos																														0.00
Bay City	Colorado													.97											.60	T.					1.57
Beaumont ‖	Neches				.07						.43			.94	.16			.06				.08			1.57						3.31
Beeville ‖	Coast													1.18										.15	3.49						4.82
Big Spring	Colorado												.61								.11			.02		.28					1.02
Blanco ‖	Guadalupe													1.95											1.21						3.16
Boerne	San Antonio											T.	1.65										.30	1.60							3.55
Booth ‖	Brazos													1.10	.24										.50						1.84
Bowie	Trinity													.81		.31		.03			.21	T.		.32	.20						1.88
Brady	Colorado																														
Brazoria	Brazos									.25				1.54										T.	.75	.01					2.55
Brazos ‖	do													1.43											.18	.12					1.73
Brenham ‖	do									T.				1.25	T.							T.		T.	2.00	T.					3.25
Bridgeport ‖	Trinity													.65	T.		.06					.06			.20	.05	.15				1.17
Brighton	Coast												.78	1.45										.70							2.93
Brownsville	Rio Grande				T.	T.																		.17							0.17
Brownwood ‖	Colorado													1.55	.05								.05		.05	.20	.12				2.02
Cameron ‖	Brazos													.90	.20									.04	1.98		.18				3.30
Carmona	Neches									T.				1.75							.01			.02		.94	.01				2.73
Claytonville	Brazos												1.08									.05				.35					1.48
Clifton	do												.29	1.00										1.03		.11					2.43
Coleman	Colorado												1.81								T.			.22		.32				T.	2.35
Collegeport	Coast																														
College Station	Brazos													1.07	T.						.01			.11	1.33	.01					2.53
Colorado	Colorado											.65									.20			T.		.35					1.20
Columbia	Brazos													2.00										.95							2.95
Columbus ‖	Colorado													2.10										T.	3.52						5.62
Corpus Christi	Coast												.98	.12										.39							1.49
Corsicana	Trinity													.05	.25		T.					T.			1.95	.03	.10				2.38
Cotulla	Nueces																							1.00							1.00
Crockett	Trinity													1.00							.11			.20	.90						2.21
Cuero ‖	Guadalupe													2.35	.02										2.15	.03					4.55
Dallas ‖	Trinity													.03	.09		.05				T.	.06			1.10	.02	.11				1.46
Danevang	Coast													1.10											.40						1.50
Decatur	Trinity												.60											.30	.20						1.10
Del Rio	Rio Grande												T.										.08	.27	.01	T.				.01	0.37
Devine	Nueces												1.03	1.30									T.	1.50						T.	3.83
Dialville	Neches													1.04			.08	T.			.15			.41		.04					1.72
Dilley	Nueces												1.00												1.05						2.05
Dublin ‖	Brazos													1.22			T.					.02		T.	.29	.18					1.71
Duval	Colorado												.15	1.30										2.16							3.61
Eagle Pass	Rio Grande												T.		.15								T.	.13						.09	0.37
Eastland ‖	Brazos													3.25	.10							T.		T.	.20	.10					3.65
Edna	Lavaca												1.28											.38							1.66
El Paso	Rio Grande												T.								T.				.15						0.15
Encinal	Nueces																							.70							0.70
Eola	Colorado												.65							T.						T.					0.65
Fairland	do													1.15										.83						.20	2.18
Falfurrias	Coast												.33	.20										1.10							1.63
Flatonia	Guadalupe												T.	1.98										2.35	.25						4.53
Flint	Neches									T.				.61			.13	.03			.13			.20	.50	.13					1.73
Fort Clark ‖	Rio Grande																						T.							T.	T.
Fort Davis	Pecos																				.05										0.05
Fort McIntosh	Rio Grande																														0.00
Fort Stockton	Pecos												T.								T.										T.
Fort Worth	Trinity												.13	.21		T.	.01	T.			.08			.76		.03					1.22
Fredericksburg	Colorado													1.06										.86		.11					2.03
Gainesville	Trinity												.40				.30	.14			.10	.10		.32		.15					1.51
Galveston	Coast									.08			.04	.83			.01				T.			.95	T.	T.					1.91
Gatesville	Brazos													.90										.45		.49					1.75
Georgetown ‖	do												.73	.01										T.	1.80	.01	.02				2.57
Gonzales ‖	Guadalupe													1.00											2.10						3.10
Gorham ‖	Brazos													.75	.15										2.50	T.					3.40
Graham	do												1.02	1.59								.15		.02	T.	.06					2.84
Grand Falls	Pecos																														0.00
Grand Saline	Sabine													.42			.23	.15			.08			1.07	.83	.08					2.86
Grapevine	Trinity												.13								.10			.53							0.76
Greenville ‖	Sabine														.05		.40	.15							1.20	.05					1.85
Hallettsville	Lavaca												T.	2.53										2.08							4.61
Hamlin	Brazos													1.20							T.				.50						1.70
Harlingen	Coast												.08	.97									T.	.73							1.78
Harper	Colorado												.56										.23								0.79
Haskell ‖	Brazos													.70	.06		.29					.13					.46				1.64
Hebbronville	Coast													1.20										1.00							2.20
Hempstead ‖	Brazos													.85	.20									T.		1.75					2.80
Henderson	Neches													.82			.16	.04			.06			.48		.03					1.59
Hewitt	Brazos												T.	.64										2.29		.02					2.95
Hico	do												.33	1.40							T.			.66		.09					2.48
Hillsboro	do													.33	.27										1.79						2.39
Hondo ‖	Nueces												.92	.22										1.12							2.26
Houston	Coast									.07			.70	1.56			T.				T.			.96	.01						3.30
Huntsville ‖	Trinity													1.68	T.							T.			1.36						3.04
Jayton	Brazos													.60							T.										0.60
Jewett ‖	Trinity													.80								T.		1.40							2.20
Junction	Colorado													.19										.70		.10					0.99
Kaufman	Trinity													.28			T.	T.			T.			1.38	.39	.12					2.17
Kerrville ‖	Guadalupe													1.27										.22	.56						2.05
Killeen	Brazos												.03	.90										1.43		.03					2.39
Knickerbocker	Colorado												.62								T.			.10		.55				T.	1.27
Kopperl ‖	Brazos													.80	.12										.80		.10				1.82
Lagrange	Colorado														1.73									2.40	.42	T.					4.55
Lamesa	do												.05								.05					.35					0.45

TABLE 2.—*Daily precipitation for February, 1912. District No. 8*—Continued.

Stations.	Watershed.	Day of month.																													Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	
Texas—Continued.																															
Lampasas ‖	Brazos													.97											.89	.12				.07	2.05
La Parra	Coast													.60				T.						.65							1.25
Laureles Ranch	do												1.24											.74							1.98
Liberty ‖	Trinity										T.			1.35	.85		T.								.78	T.					2.98
Llano ‖	Colorado													.65	T.	T.					T.			.02	.88	.05					1.60
Llano Grande ‖	Rio Grande													1.16										.20	.70						2.06
Long Lake ‖	Trinity														.84										1.00		.03				1.87
Longview ‖	Sabine													.03	.65		.25		.50			.05			.55						2.03
Lubbock	Brazos					T.														.03					T.	1.25				T.	1.28
Lufkin	Neches										1.23						.04				.21			1.03		.02					2.53
Luling ‖	Guadalupe													1.35										.04	2.95						4.34
McGregor	Brazos													1.00										2.20							3.20
Marathon	Rio Grande																				.40					T.					0.40
Marble Falls ‖	Colorado													.36		T.								.11	.97	T.					1.44
Marfa	Rio Grande																								.02						0.02
Marshall	Sabine													.61			.97	.20			.05			T.		.36					2.19
Matagorda	Coast													2.70										1.17							3.87
Mexia ‖	Brazos													.18	.15									T.	2.00	.02	.07				2.42
Midland	Colorado												1.06	T.							T.				.25						1.31
Mission ‖	Rio Grande				T.						T.	.11											.40	.60							1.11
Mont Belvieu	Coast																														
Mountain View	Pecos																			T.						T.					T.
Mount Blanco	Brazos												T.								.60					.75					1.35
Nacogdoches ‖	Neches												.47	.90		T.					.70			1.50	T.						3.57
New Braunfels	Guadalupe												.64	1.86										2.88							5.38
Palestine	Trinity													.69			T.				.11			.70	T.	.04					1.54
Panter	Brazos												.30	.21		.01															0.52
Pearsall	Nueces												2.55										.23	.89							3.67
Pierce	Colorado													.80											.44						1.24
Plainview	Brazos												T.					T.			.22					1.13					1.35
Port Arthur	Coast																														‡2.50
Port Lavaca	do												.63	1.37										.29							2.29
Post City	Brazos																														
Putnam	do												2.00	T.											.30						2.30
Raymondville ‖	Coast					T.								.34										.12	.62						1.08
Ricardo	do												.38		1.03								1.06								2.47
Riverside ‖	Trinity													T.	1.55										.95						2.50
Rockland ‖	Neches												.40													.20					0.60
Rockport	Coast													2.10										.79							2.89
Rossville	Nueces												2.10	1.25										3.02	.04					.02	6.43
Runge	San Antonio												*	1.63										1.04							2.67
Sabinal	Nueces												.48		.10									.43							1.01
Salado	Brazos													.82										2.10	.02						2.94
San Angelo	Colorado												1.46								T.					.60				T.	2.06
San Antonio	San Antonio												2.48										T.	2.63		.01					5.12
San Augustine	Neches			T.						.01				1.22	.06		.04	.02			.35			T.	1.00	.07					2.77
San Juanito	Coast				T.	.03				.01			.04	.36	.01							.03		1.21							1.69
San Marcos ‖	Guadalupe													1.95											3.11						5.06
San Saba	Colorado												.12	1.05										.59	.03	.12					1.82
Santa Gertrudes	Coast													1.11										.26	.72						2.09
Sealy	Brazos													1.06			T.				T.			1.01	1.27	T.					3.34
Seymour	do												.37	1.93			.20				.50			T.		.55					2.55
Snyder ‖	Colorado														1.15								.05			.10	.60				1.90
Somerville	Brazos													1.55										1.10	.60						3.25
Sonora	Rio Grande																														0.00
Spur ‖	Brazos													.06			T.					.11				.98	T.				1.15
Stamford	do												.81	.06							.06					.42					1.35
Stowell	Coast													1.25										1.25							2.50
Sugarland	Brazos								.15					1.49	.09										.58						2.31
Sutherland Springs	San Antonio																														
Taylor	Brazos												.43	.47										2.04	.01	.02					2.97
Temple ‖	do													.77											2.40	.06					3.23
Theodore	Pecos																									.01					0.01
Thurber	Brazos												.22	1.12										.11		.10					1.55
Tivoli	Guadalupe												1.05											.50							1.55
Uvalde	Nueces																														
Valentine	Rio Grande																				T.					.13					0.13
Valley Junction ‖	Brazos													.90	.40										1.90						3.20
Victoria ‖	Guadalupe												1.85											.80							2.65
Waco ‖	Brazos													.80	.20										3.10	.20					4.30
Waxahachie ‖	Trinity														.31										1.56	.04	.04				1.95
Weatherford ‖	do														.84	.04						T.			.35		.22				1.45
Wills Point	Sabine													.40			.20							1.10	.45	.06					2.21
Winters	Colorado												1.50													.65					2.15

* Precipitation included in that of the next measurement.
‡ Separate dates of falls not recorded.
‖ Precipitation for the 24 hours ending on the morning when it is measured.
T. Precipitation is less than 0.01 inch rain or melted snow.

TABLE 3.—*Maximum and minimum temperatures at selected stations for February, 1912. District No. 8, Texas and Rio Grande Valley.*

Date.	Colorado.				New Mexico.																Texas.							
	Garnett.		San Luis.		Agricultural College.		Carlsbad.		Fort Stanton.		Mountainair.		Rosedale.		Roswell.		Santa Fe.		Santa Rosa.		Abilene.		Big Springs.		Brownsville.		Corpus Christi.	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
1....	47	2	43	5	61	18	62	24	58	12	51	7	48	20	53	18	43	14	49	16	55	32	57	25	73	42	65	53
2....	45	7	47	11	55	19	72	18	53	9	56	15	54	22	66	15	47	18	59	17	67	30	69	27	68	40	63	42
3....	48	2	48	8	60	15	69	24	59	21	57	21	54	24	64	22	47	14	51	24	55	14	60	27	74	52	75	43
4....	50	3	47	4	64	15	44	10	63	4	44	− 3	52	8	35	12	39	5	40	12	30	10	34	9	37	29	43	25
5....	44	9	49	9	43	20	47	11	54	12	57	11	49	18	48	10	46	15	48	12	48	14	58	11	42	30	47	30
6....	43	6	40	5	53	15	54	25	58	11	54	11	52	25	53	22	43	10	56	16	49	28	54	24	58	27	51	34
7....	44	5	46	6	60	22	61	18	68	13	57	23	52	28	58	17	46	20	61	23	64	31	66	24	66	30	62	35
8....	50	13	48	10	62	38	71	25	53	23	55	24	55	37	67	23	48	21	52	35	67	34	67	33	71	45	67	50
9....	45	18	52	8	70	45	65	19	53	23	57	13	57	32	60	18	46	24	57	16	44	24	51	19	80	52	69	50
10....	45	18	42	16	70	48	74	25	59	12	54	21	52	26	70	20	44	20	61	22	59	22	64	18	64	40	60	40
11....	46	14	47	13	68	55	73	34	63	21	58	18	52	30	62	27	45	23	58	22	65	37	66	24	75	48	62	44
12....	40	5	40	10	64	42	65	35	57	22	54	13	51	18	62	30	45	25	57	29	58	40	60	36	73	60	65	55
13....	40	0	46	5	60	34	61	35	62	22	56	23	53	26	58	33	42	17	52	23	49	39	50	38	76	52	65	52
14....	45	5	49	8	67	20	65	24	72	20	60	19	50	31	64	22	50	21	67	17	53	32	58	29	64	45	61	46
15....	48	8	46	8	65	32	70	29	52	21	52	26	58	22	63	29	45	23	55	26	62	38	70	39	72	41	60	50
16....	56	12	47	10	71	24	74	25	62	20	56	21	60	37	70	23	50	21	63	18	58	38	63	35	74	54	69	53
17....	55	13	54	7	69	32	72	36	62	34	60	31	57	40	72	38	50	24	64	25	64	42	67	41	85	54	75	50
18....	35	12	50	26	74	37	82	50	62	31	64	34	50	18	77	42	55	28	68	38	81	47	80	45	78	48	70	51
19....	33	16	40	16	66	39	77	38	65	30	60	26	52	20	72	33	47	22	65	30	68	45	70	38	80	63	74	61
20....	33	0	38	11	45	30	50	24	55	20	45	17	60	30	37	22	34	18	57	26	54	31	62	32	94	66	83	47
21....	41	− 2	39	− 2	47	16	57	19	46	− 5	43	7	45	18	51	12	37	8	45	12	52	27	54	22	68	42	58	42
22....	39	10	40	8	54	27	60	23	55	14	46	11	40	11	49	22	40	18	45	23	56	30	56	24	62	53	59	49
23....	27	15	34	17	60	20	66	19	59	10	48	16	48	20	61	25	36	16	54	25	49	42	63	43	72	59	64	56
24....	26	5	33	14	52	33	68	35	49	29	44	22	40	22	63	29	33	24	44	27	66	45	73	44	79	64	64	55
25....	35	−11	33	15	48	29	55	22	37	20	34	20	32	18	34	27	26	12	32	22	52	32	63	36	87	64	74	60
26....	38	−11	37	0	30	24	60	24	43	6	40	7	42	18	45	16	30	11	37	2	48	30	50	24	65	50	61	45
27....	43	4	41	0	60	18	68	23	50	10	54	14	47	18	57	20	40	13	42	11	63	29	63	27	68	35	56	49
28....	41	− 3	45	7	66	30	71	32	58	14	48	18	54	25	60	26	45	18	35	21	60	35	65	38	72	46	63	53
29....	42	− 4	46	4	55	35	64	29	52	19	45	13	48	26	39	25	45	11	32	16	37	28	53	27	74	57	63	52
Mns..	42.2	5.9	43.7	8.9	59.3	28.7	64.7	26.0	56.5	17.2	52.0	17.2	50.5	23.7	57.6	23.4	42.9	17.7	51.9	20.9	56.3	31.9	60.9	29.6	70.7	47.9	63.7	47.3

Date.	Texas.																											
	Del Rio.		El Paso.		Fort McIntosh.		Fort Stockton.		Fort Worth.		Galveston.		Hallettsville.		Houston.		Lufkin.		Palestine.		Plainview.		San Antonio.		Seymour.		Taylor.	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
1....	66	39	56	31	75	37	61	25	52	37	60	49	62	43	61	46	59	26	55	41	50	23	63	44	55	.....	60	40
2....	70	29	60	27	73	40	71	27	69	29	56	44	63	30	64	36	59	36	60	34	58	20	67	35	63	37	65	29
3....	77	31	65	28	75	31	72	38	59	16	67	46	71	45	73	37	70	44	66	22	52	16	70	31	63	9	75	25
4....	35	21	43	18	72	25	38	6	31	10	46	27	45	19	37	22	45	16	28	12	40	5	35	18	32	1	30	14
5....	49	18	56	21	55	27	53	12	49	12	42	28	45	21	46	24	46	17	44	20	54	11	51	20	53	5	45	17
6....	57	25	55	29	65	19	57	21	50	29	49	38	54	22	53	30	49	23	46	33	52	21	57	26	50	15	54	23
7....	67	26	65	26	76	20	72	24	68	28	54	38	62	24	63	34	63	20	62	31	60	17	63	29	66	19	65	26
8....	69	39	63	36	72	45	75	40	74	39	60	51	70	36	66	45	66	33	66	39	53	25	70	41	59	27	70	40
9....	61	38	65	38	72	37	67	20	46	28	66	47	60	46	64	46	60	44	55	37	49	19	62	42	45	16	54	35
10....	62	29	68	33	68	50	72	24	57	25	52	39	57	34	56	37	53	30	52	30	62	19	61	36	62	10	57	28
11....	66	36	66	39	88	40	68	35	71	43	57	48	67	33	65	41	55	40	63	37	64	31	66	36	61	26	66	35
12....	72	51	63	46	81	60	62	39	61	42	57	53	67	52	63	52	60	32	64	40	60	31	65	54	58	29	68	47
13....	65	45	62	36	79	40	62	38	51	46	58	46	54	46	53	47	67	39	55	44	60	21	61	48	53	37	52	43
14....	66	38	69	28	72	42	71	27	49	38	58	45	61	34	56	44	64	30	46	38	64	31	62	44	53	22	52	37
15....	69	39	65	43	78	38	75	42	53	30	55	43	64	44	58	39	65	35	56	29	67	31	60	37	57	34	56	31
16....	74	46	69	35	82	50	76	29	58	43	58	49	60	46	56	45	60	30	49	40	67	26	65	48	56	39	58	44
17....	76	42	70	39	84	42	73	42	64	42	68	49	70	43	68	43	50	34	60	40	66	28	72	44	65	33	68	39
18....	86	41	73	44	92	47	81	40	82	44	64	54	73	39	72	48	74	32	73	40	75	32	78	44	80	32	76	41
19....	92	41	72	47	98	45	81	49	72	52	66	58	76	58	77	56	78	55	78	56	70	32	78	50	67	33	78	51
20....	65	39	49	30	96	55	71	32	63	31	69	42	77	65	78	41	74	59	71	35	52	24	74	42	63	12	74	37
21....	58	30	50	20	72	40	57	16	50	30	53	38	65	38	54	37	62	34	49	32	42	11	58	35	47	12	55	32
22....	53	36	54	37	62	42	57	30	57	28	53	48	63	34	57	41	57	28	54	29	49	16	58	36	52	22	59	31
23....	61	46	62	27	68	48	70	37	50	42	62	53	63	52	60	51	59	41	49	41	58	31	57	46	48	36	51	44
24....	74	46	59	34	81	45	75	35	53	43	60	52	70	53	70	53	60	50	54	42	57	37	71	49	54	35	61	48
25....	68	48	45	28	82	53	66	39	63	35	70	58	72	61	74	59	75	50	69	45	45	23	70	51	54	28	69	43
26....	61	35	52	28	78	41	60	21	46	31	59	41	61	39	59	40	60	26	47	32	36	20	60	37	45	22	54	35
27....	67	32	58	24	73	35	71	24	61	28	52	42	60	35	60	38	67	30	57	30	49	24	62	35	64	20	62	29
28....	69	43	66	31	78	45	75	30	65	40	59	50	68	38	65	41	70	34	64	41	42	25	67	38	60	23	65	39
29....	59	39	54	33	74	46	67	30	45	33	62	52	52	45	58	47	59	40	51	36	32	20	56	44	44	18	54	38
Mns..	66.0	36.8	60.5	32.3	76.6	40.9	67.4	30.1	57.6	33.6	58.3	45.8	63.2	40.5	61.6	42.1	61.6	34.8	56.7	35.4	54.7	23.1	63.4	39.3	56.2	23.3[a]	60.4	35.2

[a], [b], [c], etc., indicate, respectively, 1, 2, 3, etc., days missing from the record.
§ Data are from standard instruments not supplied by the U. S. Weather Bureau.
§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.