Climatological Data for January, 1910.

DISTRICT No. 8, TEXAS AND RIO GRANDE VALLEY.

BERNARD BUNNEMEYER, District Editor.

GENERAL CLIMATOLOGICAL CONDITIONS.

The month was marked by much drier and generally warmer weather than usual, with a large number of pleasant days. A noteworthy feature of the month was the severe cold wave that began to overspread the district on the 3d and attained its greatest severity on the 6th and 7th. It was accompanied by general precipitation, with sleet as far southward as the Gulf coast, and during its prevalence freezing temperatures were recorded throughout the district, and temperatures much below zero in Colorado and New Mexico.

While the precipitation averaged considerably less than the normal, there was a slight excess in the upper Rio Grande Valley and a large excess in a few widely separated localities in southern Texas. Most of the precipitation over the upper portions of the Rio Grande and Rio Pecos watersheds was in the form of snow, but the amounts were much less than during December. The weather conditions were favorable to the settling and some melting of the snow in the mountains, and much of the old snow became solidly frozen. The greatest snowfall in Colorado was 47.2 inches at Platoro; in New Mexico, 36.0 inches at Red River Canyon; and in Texas, 7.0 inches at Grapevine. There was no excessive precipitation of 2.50 inches or more in 24 consecutive hours at any of the reporting stations, the heaviest in that time being 2.48 inches at Anahuac, Tex. At 2 stations in Colorado, 13 in New Mexico, and 12 in Texas there was either no precipitation or the amounts were too small to be measured. The number of rainy days with .01 inch or more precipitation averaged about 4 in Colorado, and 3 in New Mexico and Texas, practically all occurring during the first two decades. The number of clear days was large and averaged 18 for the district.

TEMPERATURE.

The temperature was above the normal in nearly all portions of the district, the excess in general being much greater in Texas than in New Mexico or Colorado. Although the month opened with comparatively warm weather, the temperature during the first decade averaged decidedly below the normal. It was exceptionally cold from the 4th to the 9th, the severest weather of the month occurring from the 5th to the 7th. The lowest temperatures recorded at the various reporting stations ranged in Texas from 30° on the immediate coast to 5° at Knickerbocker; in New Mexico, from 14° at Rincon and Artesia to −30° at Red River Canyon; and in Colorado, from −12° at Saguache to −40° at Wagon Wheel Gap. These low temperatures broke all previous January records in New Mexico and have been exceeded only twice in previous corresponding months in Colorado.

During the second and third decades generally mild temperatures prevailed. The warmest weather occurred in most localities from the 23d to the 26th, although in some sections the 1st was the warmest day. The highest temperatures reported were: In Colorado, 55° on the 24th at Saguache and on the 25th at Wagon Wheel Gap; in New Mexico, 86° on the 1st at Carlsbad; and in Texas, 89° on the 1st at Barstow, Graham, and Llano, on the 23d at Coleman, and on the 24th at Fort McIntosh. The local monthly means ranged from 11.8° to 25.6° in Colorado; from 18.2° to 46.4° in New Mexico; and from 41.6° to 63.2° in Texas.

PRECIPITATION.

The precipitation over the Rio Grande watershed averaged greater than the normal in its extreme upper portion, but south of Santa Fe there was a general deficiency, ranging from a minimum of 0.10 inch to a maximum of 1.65 inch. Snow occurred mostly in the mountains and upper valleys, the greatest monthly fall reported being 47.2 inches at Platoro, Colo., and 36.0 inches at Red River Canyon, N. Mex. Compared with the precipitation of the preceding month there was a decided decrease throughout the watershed, which averaged 0.50 inch or more over large areas.

In the Rio Pecos drainage basin the precipitation was also deficient and was only about one-third the amount received during December. The snowfall was moderate, the heaviest monthly amount being 17.2 inches, while the next heaviest did not exceed 8 inches. In both the Rio Pecos and Rio Grande valleys there was a large number of stations that had either no precipitation or amounts too small to be measured.

The precipitation over the watersheds of the Texas rivers and in the coastal plains was decidedly less than the normal, the deficiency averaging 1 inch or more in the San Antonio, Colorado, Brazos, Trinity, and Sabine valleys, and in the coastal plains, and somewhat less than that in the Nueces, Guadalupe, Lavaca, and Neches valleys. The following are the average monthly amounts for the various drainage basins: Nueces, 0.53; San Antonio, 1.12; Guadalupe, 1.28; Lavaca, 2.35; Colorado, 0.36; Brazos, 0.75; Trinity, 1.08; Neches, 1.91; Sabine, 2.03; and the coastal plains, 1.39 inch. At several widely separated stations in the Nueces, Guadalupe, Colorado, Brazos, and Trinity valleys there was either no precipitation or inappreciable amounts only. Compared with the precipitation of the preceding month there was a general and marked decrease, which ranged from a minimum of 0.50 inch for the coastal plains to a maximum of 4.78 inches for the Neches watershed.

RIVER CONDITIONS.

The rivers of the district were generally lower than during December and they maintained a rather even flow of water. The Rio Grande was abnormally low at Eagle Pass, Tex., during the entire month. At Zapata, Tex., a rise of about 2 feet occurred on the 15th from local rains, which brought the stream up to normal at that place. At Brownsville it was near the normal, and there was ample water for irrigation and other purposes. The Colorado averaged about 1 foot lower than in December, the Brazos about 3 feet, and the Trinity 2.5 feet, while there was no perceptible change in the Guadalupe, Neches, and Sabine.

The following has been taken from the Reclamation Record for February, 1910:

New Mexico, Carlsbad Project.—The amount of water stored in Lake McMillan has been slowly increasing. Little addition has been made to the amount of water stored in Avalon Reservoir because of the necessity of running water in the canal for the purpose of watering trees and winter oats.

New Mexico, Hondo Project.—A little water has been available for a few days during the month and was distributed through the canal system, none being stored.

New Mexico, Leasburg Project.—It is expected that a contract will soon be entered into with the Water Users' Association and that water can be delivered for irrigation about the 1st of February.

MISCELLANEOUS.

The severe weather during the first decade caused considerable damage to vegetation as far southward as the lower Rio Grande Valley. At San Juanito, in Hidalgo County, orange trees were badly frosted on the 7th.

The cattle on the ranges withstood the severe cold in good shape, according to press dispatches from Fort Worth, and, unless other cold spells should occur, the loss is estimated to be smaller than in many previous years. Farming operations have been delayed in many localities by the dry weather.

An irrigation canal on the west side of the Trinity River between Dayton and Sterling in Liberty County, Tex., is

under construction by the Moores Bluff Rice Company. The canal will be 7 or 8 miles long and will irrigate 4,500 acres this year. The machinery to be installed under the supervision of Schlafli and Porter Company will have a capacity of 36,000 gallons per minute and is so designed that the capacity may be doubled or tripled at any time, and the acreage increased accordingly.

The McFadden, Wiss and Kyle Land Company, of Beaumont, Tex., is making extensive improvements to the machinery of its rice canal which is located 6 miles south of Beaumont on the Neches. One new pumping unit, having a capacity of 50,000 gallons per minute, will be added, giving a total capacity of 190,000 gallons per minute, sufficient to irrigate 27,000 acres.

A bond issue of $193,000 was voted upon and carried by the citizens of Alvin, Tex., for the creation of the Alvin Drainage District.

The county commissioners of Harris County, Tex., acted favorably upon petitions for the creation of Drainage District No. 4, which will cover the southeastern portion of that county.

SNOWFALL IN THE MOUNTAINS.

The following reports of the snowfall in the mountain districts of the Rio Grande and Rio Pecos watersheds have been furnished by the section directors of the Colorado and New Mexico sections.

Report of Mr. F. H. Brandenburg, Section Director, Colorado Section:

The snowfall for January was much less than for the corresponding month a year ago. As compared with the normal, the deficiency, as a whole, was not so marked; in localities the deficiency was considerable, while in others there was a slight excess. The warm spell at the beginning of the month caused a general settling of the snow, and some melting. With the return to normal temperature conditions, much of the old snow was solidly frozen—a condition favorable to late melting. In localities exposed to the prevailing strong winds, the current fall was carried to the gulches and sheltered spots, forming numerous drifts. The depths will doubtless be materially increased by the later snowfalls, which, as a rule, furnish the water for the early part of the irrigation season; the present depths, however, have a bearing on the flow of midsummer, after the snows of spring have disappeared.

Report of Mr. C. E. Linney, Section Director, New Mexico Section:

The snowfall during January was light and generally confined to the mountain districts. General rains on the first few days of the month and on the 16th and 17th caused rapid melting and solidifying, and in most districts the remaining snow, which is still above the normal amount, was compact and crusted and almost solid ice. In the higher altitudes the snow in the canyons and on the north slopes was in deep drifts, varying in depth from 5 to 20 feet or more, and, with the exception of the lower Pecos Valley and the extreme southwest, the reports state that at the close of the month the prospects for a sufficient water supply for irrigation were very encouraging.

WORK UNDERTAKEN AT THE FREMONT FOREST EXPERIMENT STATION IN CLIMATOLOGY AND FORESTRY.

By L. H. DAINGERFIELD, Local Forecaster, Pueblo, Colo.

The more general relations of meteorology to forestry have long been known, but the more specific adaptations remain in the experimental stage. It is for the careful study of the special relations as well as the general that the meteorological equipment of the Fremont Experiment Station is being used. This station is situated on Rock Creek, about one mile from the mountain terminal of the Mount Manitou Incline Railway, Manitou, Colo., and is reached after leaving the railway terminal by following the windings of a picturesque burro trail. The main building, office, and laboratory are situated on the eastern end of Muskoko ridge, occupying the floor of the beautiful valley, 8,850 feet (approximately) above the sea. On each side of the valley the mountains rise 1,000 or 1,500 feet laden with yellow pine, Engelmann spruce, Douglas fir, aspen, etc. Eighty acres of this valley land and the mountain slopes are reserved for experiment purposes.

The instrumental equipment of the station is placed on 3 solid wooden towers, known as stations Nos. 1, 2, and 3. These towers are 16 feet in height from their several platform centers to the ground; the platforms are 5 feet square bounded by railings about 2½ feet in height. Station No. 1 is located on Muskoko ridge about 150 feet west of the office quarters and carries an instrument shelter on the southwest corner of the platform railing, in which maximum and minimum thermometers and a sling psychrometer are placed. A combined wind vane and anemometer stand extends up through the northwest corner of the platform. The base of the stand is securely bolted to a large cedar post about 3 feet in height, and the combined rain and snow gage occupies its iron tripod which is securely fastened to the northeast corner of the platform railing. The average height of the instruments above the ground is about 20 feet. The tipping bucket rain gage is about 30 feet west of Station No. 1. A sunshine recorder is operating on top of the Station No. 1 instrument shelter. The anemometer, wind vane, sunshine recorder, and tipping bucket rain gage are all connected with the triple register operating in the station quarters.

Station No. 2 is situated on a south slope of 15° to 20°, about 600 feet northwest of the station quarters, in an open stand of yellow pine trees. It carries an instrument shelter (containing maximum and minimum thermometers and a sling psychrometer), an anemometer on a wooden support without wire connections, and an ordinary rain and snow gage, similarly located as on tower of Station No. 1.

Station No. 3 is situated on a north slope of 25° to 30°, about 700 feet to the west of the station quarters, in a rather close stand of Engelmann spruce. Its equipment is the same as that of Station No. 2, with similar exposure of the instruments.

Observations of all instruments at all three stations are made at 7:00 a. m., anemometer dials read, and maximum and minimum thermometers set daily. Observations of maximum and minimum thermometers and dry and wet thermometers are also made at Station No. 1 at 1:00 and 7:00 p. m., daily. Observations are also taken at other hours when peculiar or unusual conditions exist.

A full record of the sunshine is impossible on account of the horizon line being broken by mountains, except a short space in the east; during the midwinter months the forenoon sunshine record may be complete.

In addition to the present Weather Bureau equipment at the experiment station, soil thermometers are to be installed in iron tubes sunk from 1 to 2 feet deep at each station. The bulbs of the several thermometers will be inserted in corks slightly smaller than the tubes. This will prevent too rapid a change in temperature when the thermometers are removed from the iron tubes to be read, and, at the same time, will not interfere with the action of the slow-changing soil temperature on the thermometers. The soil thermometers at depths of 1 to 2 feet are expected to measure the true temperature of the soil zone where most of the tree roots are found. As the research work of the station is principally concerned with those factors which affect forest trees, all instruments for measuring atmospheric factors are exposed on towers about 20 feet above ground, where they will feel the average temperature, wind, etc., in the same atmospheric level as the tree crowns.

Snow scales are to be installed at all three stations to supplement the ordinary rain and snow gage readings. The average depth of the snow and the water coefficient will be determined; and the melting, settling, and evaporation of the snow will also be considered.

The exposure of the instrumental equipment in three distinctly different locations is rendered necessary in the study of three distinct forest types prevailing around Fremont station. The study is expected to explain, at least partly, the climatic requirements of the several tree species of this part of the Rocky

TABLE 1.—*Climatological data for January, 1910. District No. 8, Texas and Rio Grande Valley.*

Stations.	Counties.	Elevation, feet.	Length of record, yrs.	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, .01 inch or more.	Sky. Number of clear days.	Number of partly cloudy days.	Number of cloudy days.	Prevailing wind direction.	Observers.
Colorado.																				
Blanca	Costilla	8,403	1	23.7		52	24	−13	7	43	0.17		0.16	T.	2	18	12	1	sw	L. C. Audrain.
Cumbres	Conejos	10,015	3								5.43		0.89	38.5	9	13	6	12	sw.	Ida M. Lively.
Garnett	Costilla	7,576	17	20.6	− 3.3	50	24	−14	6†	41	0.07	− 0.34	0.07	1.5	1	18	6	7	n.	Chas. Speiser.
Hermit	Hinsdale	9,843									1.47		0.36	21.6	9	18	4	9		Marion Mason.
La Veta Pass	Costilla	9,000									0.22		0.22	1.8	1	12	10	9	w.	Norvin R. Lively.
Manassa	Conejos	7,700	4	21.0		52	22	−20	3	60	T.		T.	T.	0				sw.	J. B. Chapman.
Platoro	...do	9,675	2								4.85		1.31	47.2	9	21	1	9	w.	Walter R. Hook.
Saguache	Saguache	7,740	18	25.6	+ 6.5	55	24	−12	7	60	T.	− 0.19	T.	T.	0	19	6	6	w.	Eugene Williams.
San Luis	Costilla	7,794	19	24.2	+ 3.4	50	24†	−18	6	43	0.50	+ 0.08	0.20	3.0	4	22	8	1	sw.	P. B. Albright.
Wagon Wheel Gap	Mineral	8,434	11	11.8	− 1.2	55	25	−40	6	69	0.85	+ 0.19	0.27	15.0	6	18	7	6	sw.	Ellwood Bergey.
New Mexico.																				
Agricultural College	Dona Ana	3,863	44	43.8	+ 1.3	74	24	8	7	44	0.22	− 0.10	0.22	0.0	2	20	10	1	nw.	New Mexico Agri. College.
Alamogordo (near)	Otero	4,338	9	44.4[a]		73	24	9	6	37	0.40		0.30	T.	3	15	12	4	sw.	Geo. C. Bemis.
Alamogordo	...do	4,320									0.37		0.19	0.0	3					El Paso & Southwest. R. R.
Albuquerque	Bernalillo	5,200	34	41.4	+ 7.3	69	24	8	7	40	0.14	− 0.25	0.09	0.0	2	25	1	5	n.	University of New Mexico.
Ancho	Lincoln	6,112									0.07		0.04	0.5	4	15	5	11	w.	El Paso & Southwest. R. R.
Artesia	Eddy	3,350									0.08		0.05	0.0	3	16	12	3	se.	Will Benson.
Aspen Grove Ranch	Rio Arriba	9,000									2.23		0.90	18.8	6	17	6	8		Junius D. Maupin.
Bateman's Ranch	...do	8,900									0.81		0.23	8.5	8	17	5	9	sw.	John W. Bateman.
Bluewater	Valencia	6,732	8	31.3		64	24	− 8	7	46	0.27		0.12	2.7	4	14	13	4	n.	Bluewater Development Co.
Bluewater Reservoir	...do	9,000	1								0.03		0.03	0.5	1	28	2	1		Do.
Boas	Chaves	4,154	1	40.3		76	1	9	6	47	0.11		0.08	0.0	2	19	7	5	w.	D. C. Savage.
Capitan	Lincoln	6,348									0.10		0.08	1.0	2	22	5	4	w.	El Paso & Southwest. R. R.
Carlsbad	Eddy	3,120	15	46.4	+ 1.7	86	1	9	7	50	0.09	− 0.22	0.06	0.2	4	14	13	4	se.	U. S. Reclamation Service.
Carrizozo	Lincoln	5,429	2								0.50		0.50	T.	2	23	6	2	sw.	A. H. Harvey.
Chama	Rio Arriba	7,851	11	21.6	− 3.1	60	23	−21	6	49	2.39	+ 0.14	0.56	28.0	7	20	6	5	sw.	Frank C. Johnson.
Cloudcroft	Otero	8,650	7	33.8		60	27	− 6	6	34	0.90		0.90		1	18	7	6	sw.	El Paso & Southwest. R. R.
Corona	Lincoln	6,666									0.53		0.34	6.0	2	18	7	6	n.	Do.
Coyote	...do	5,800									0.29		0.23	T.	4	15	5	11	sw.	Do.
Cundiyo	Santa Fe	6,889	1								0.80		0.23	2.8	7	18	5	8	w.	Teofilo Vijil.
Demonstration Farm	San Miguel	6,800	1								0.02		0.02	0.5	1					Erb & Westerman.
Duran	Torrance	6,272	1								T.		T.	T.	0	22	5	4		W. H. Birkhead.
Edison Mine	Taos	10,600																		Frank L. Paxton.
Elida	Roosevelt	4,345									0.03		0.01	0.2	3	21	6	4	w.	M. W. Waldron.
Elk (near)	Chaves		11																	Boyd Williams.
Escondido	Otero	4,014									0.16		0.09	0.0	2	12	14	5	nw.	El Paso & Southwest. R. R.
Espanola	Rio Arriba	5,590	12	28.2	− 2.1	57	1	−11	6	42	0.45	+ 0.13	0.25	3.0	3	23	5	3	n.	Mrs. E. F. McBride.
Estancia	Torrance	6,140	5	34.6		70	23	− 9	6	58	0.21		0.09	1.8	4	16	10	5	nw.	New Mex. Central R. R.
Fort Stanton	Lincoln	6,231	32	40.6	+ 5.2	72	24	− 1	6	51	0.10	− 0.41	0.10	T.	1	18	10	3	sw.	U. S. Sanitarium.
Fort Sumner	Guadalupe	3,960	7	40.8		74	1	5	6	49	0.51		0.51	5.0	1	28	1	2	sw.	F. A. Manzanares.
Gallinas	Lincoln	6,635									0.49		0.22		3	19	8	4	w.	El Paso & Southwest. R. R.
Gallinas Planting Station	San Miguel	7,500	3	30.7		67	1	−10	6	63	0.62		0.24	3.2	5	12	13	6	ne.	U. S. Forest Service.
Harvey's Upper Ranch	...do	9,400	1								1.42		0.44	17.2	7	17	8	6	se.	Simon B. Warner.
Hillsboro	Sierra	5,224	13	42.5	+ 2.0	81	25	7	6†	49	T.	− 0.60	T.	0.0	0	23	7	1	w.	Dr. Frank I. Givens.
Hodges	Taos	8,484						−10	6		1.24		0.59	16.3	4				nw.	Jas. D. Bird.
Hondo Reservoir	Chaves	3,904	1	42.4		80	1	− 4	6	50	0.04		0.02	0.7	2	21	5	5	s.	U. S. Reclamation Service.
Hope	Eddy		3																	C. M. Bott.
Hopewell	Rio Arriba	9,500		18.2		48	23	−26	6	42	2.10		0.75	21.0	7	6	15	10	sw.	John T. Blanton.
Jemez Springs	Sandoval	6,100																		Linus L. Shields.
Laguna	Valencia	5,840	5	35.4		58	24	5	7	47	T.		T.	0.0	0					Gus Weiss.
Lagunita	Guadalupe	4,500	5	38.8		76	24	− 5	6	46	0.18		0.11	1.2	3	16	11	4	w.	P. A. Turnbull.
Lake Valley	Sierra	5,413	5								0.26		0.18	1.0	5	16	13	2	sw.	Wm. P. Keil.
Las Vegas	San Miguel	6,384	23	35.9	+ 2.6	69	22	−13	6	49	0.16	− 0.30	0.16	1.5	2	20	9	2	w.	Dr. Wm. Curtiss Bailey.
Liston	Chaves										0.10		0.10	0.0	2	14	14	3	w.	H. G. Liston.
Los Lunas (near)	Valencia	4,900	20	34.4	+ 0.9	68	24	5	6†	43	0.13	− 0.56	0.08	0.5	2	17	9	5		Richard Pohl.
Los Tanos	Guadalupe	4,919									0.42		0.16	1.5	4	17	7	7	w.	El Paso & Southwest. R. R.
Magdalena	Socorro	6,557	5	35.6		66	24	2	5†	46	0.50		0.50	6.0	2	15	14	2	w.	Wm. Pender.
Malaga	Eddy	3,000		44.6[b]		74	31	13	6	46	T.		T.	T.	0	15	8	8	s.	Capt. Chas. Grapes.
Mineral Hill	San Miguel	7,050	5								0.81		0.44	4.0	3	10	10	11	sw.	W. M. Nelson.
Monterey	Otero	4,436				70	23†	6	6		0.27		0.27	T.	1	17	7	7	sw.	El Paso & Southwest. R. R.
Monument	Eddy	3,500	4																	Jas. M. Cook.
Mountainair	Torrance	6,547	8	34.6		65	24	− 4	6	38	0.46		0.23	3.0	4	23	6	2	sw.	Mrs. John W. Corbett.
Newman	Otero	3,989				68	3	8	7		T.		T.	0.0	0	23	1	7	se.	El Paso & Southwest. R. R.
Noria	Dona Ana	4,114									T.		T.	0.0	0	24	6	1	ne.	Do.
Orange	Otero																			Jas. Brownfield, jr.
Orogrande	...do	4,171									T.		T.	T.	0	15	12	4	w.	El Paso & Southwest. R. R.
Oscura (near)	Lincoln	5,016	1								0.33		0.18	0.0	2	15	9	7	s.	Eugene F. Jones.
Otis	Eddy	3,100	1								0.14		0.05	T.	4	21	8	2	s.	A. M. Hove.
Otto	Santa Fe	6,200	1								0.38		0.20	1.8	3					W. K. Davis.
Pastura	Guadalupe	5,285									0.25		0.25	0.0	1	5	24	2	w.	El Paso & Southwest. R. R.
Picacho (near)	Lincoln																			P. D. Southworth.
Red River Canyon	Taos	8,650	2	21.6		58	24	−30	6	48	3.30		0.90	36.0	6	20	7	4	e.	Mrs. L. R. Penn.
Rincon	Dona Ana	4,030	12	45.2	+ 3.3	78	1†	14	7†	51	T.	− 0.41	T.	T.	0	13	9	9	s.	Chas. H. Raitt.
Rio Grande Dam	Sierra	4,265	12	42.5	+ 3.0	76	24	7	6†	47	T.	− 0.23	T.	T.	0	22	4	5	se.	U. S. Reclamation Service.
Rosedale	Socorro	6,910	5	38.1		67	24	2	7	35	0.33		0.25	1.0	4	20	4	7	w.	W. H. Martin.
Roswell	Chaves	3,578	12	42.4	+ 3.2	80	1	2	6	49	0.10	− 0.43	0.05	0.7	3	14	8	9	s.	U. S. Weather Bureau.
San Marcial	Socorro	4,439	14	41.3	+ 1.6	71	24†	6	7	49	0.00	− 0.32	0.00	0.0	0	10	14	7	s.	Atch., Topeka & S. F. R. R.
San Rafael	Valencia	6,509	6	38.4		75	23	− 3	6†	58	0.10	− 0.38	0.10	0.0	2	22	5	4	nw.	Dr. Chas. M. Grover.
Santa Fe	Santa Fe	7,013	37	30.0	+ 1.5	56	24	− 7	6	33	0.76	+ 0.17	0.22	2.4	9	18	9	4	ne.	U. S. Weather Bureau.
Santa Fe Canyon	...do	8,000									0.52		0.36	6.0	3	21	2	8	w.	Candelario Martinez.
Santa Rosa	Guadalupe	4,624	10	40.5		72	24	1	6	47	0.63	+ 0.10	0.52	1.0	4	22	7	2	w.	John L. Chapman.
Socorro	Socorro	4,600	19	36.4	− 0.7	65	22	8	7	37	0.15	− 0.30	0.10	0.0	2	27	3	1	sw.	J. J. Leeson.
Stanley	Santa Fe	6,317	1	27.8		66	24	−14	6	55	0.39		0.19	2.0	3	23	3	5	nw.	Wilbur F. Castle.
Strauss	Dona Ana	4,080	11								0.00	− 0.29	0.00	0.0	0	17	14	0	sw.	Southern Pacific Co.
Swastika Ranch	Valencia	6,400									0.38		0.12	2.0	6	24	7	0	nw.	Swastika S. & L. Co.
Taft	Guadalupe																			A. J. Wilmeth.
Taos	Taos	6,983	12	28.4	+ 1.3	50	1	−12	7	37	1.07	+ 0.22	0.32	6.0	7	22	7	2	sw.	Alexander Gusdorf.
Taos Canyon	...do	8,959									1.53		0.43	10.0	7	16	7	8	sw.	Leocadio Martinez, jr.
Tecolote	Lincoln	6,539									0.58		0.25	0.8	5	21	3	7	w.	El Paso & Southwest. R. .R
Three Rivers	Otero	4,559									0.20		0.20	0.0	1	20	6	5		Do.
Torrance	Torrance	6,433									T.		T.	T.	0	14	6	11	nw.	Do.
Tres Piedras	Taos	8,076	5	21.8		52	2†	−18	6	44	1.05		0.30	6.5	6	22	0	9	sw.	Edwin B. Seward.
Truchas	Rio Arriba	7,935	1								1.00		0.50	10.0	3	11	19	1		Ignacio Cordova.
Tularosa	Otero	4,436	2	45.2		73	1	7	6	37	0.28		0.18	0.0	3	16	11	4	sw.	Irby L. Fairless.
Vaughn	Guadalupe	5,952									0.00		0.00	0.0	0					El Paso & Southwest. R. R.
Winsors	San Miguel	8,200	12	27.0		56	24	−19	6	41	1.03	− 0.20	0.40	8.0	7	15	8	8	w.	Henry D. Winsor.

TABLE 1.—*Climatological data for January, 1910. District No. 8*—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, yrs.	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, .01 inch or more.	Sky. Number of clear days.	Number of partly cloudy days.	Number of cloudy days.	Prevailing wind direction.	Observers.
Texas.																				
Abilene	Taylor	1,738	25	47.7	+ 5.1	82	1	17	6	37	0.37	− 0.53	0.35	T.	3	14	5	12	s.	U. S. Weather Bureau.
Albany	Shackelford	1,429	16	46.0	+ 1.8	86	1	13	6†	65	0.29	− 0.87	0.29	0.0	1	18	5	8	.....	N. L. Bartholomew.
Alvin	Brazoria	49	11	.....	.....	.....	.....	.....	.....	.....	3.40	− 0.25	2.30	0.0	4	19	6	6	ne.	F. A. Smith.
Anahuac§	Chambers	23	1	.....	.....	.....	.....	.....	.....	.....	2.89	.....	2.48	0.0	4	.....	.....	.....	.....	B. H. Collins.
Austin	Travis	593	24	52.4	+ 2.8	75	25	20	7	40	0.17	− 1.92	0.14	0.1	3	19	7	5	e.	A. Deussen.
Ballinger	Runnels	1,637	15	46.6	+ 1.6	85	2†	11	6	50	0.10	− 0.63	0.10	1.0	1	18	2	11	n.	E. M. Eubank.
Barstow	Ward	2,573	3	49.8	.....	89	1	15	8	50	T.	.....	T.	0.0	0	23	3	5	se.	W. H. Denis.
Bay City	Matagorda	53	.....	.....	.....	.....	.....	.....	.....	.....	0.79	.....	0.44	0.0	3	22	1	8	s.	E. C. Quereau.
Beaumont	Jefferson	29	13	55.9	+ 2.1	80	26	26	6	37	3.41	+ 0.58	.....	0.0	5	19	0	12	se.	John Bender.
Beeville	Bee	225	14	57.7	+ 3.0	81	1	21	7	42	3.01	+ 1.78	1.80	0.0	6	12	10	9	e.	L. E. Dickey.
Big Springs	Howard	2,396	12	48.2	.....	85	1†	15	6	45	0.23	− 0.19	0.18	0.0	3	20	2	9	s.	B. Reagan.
Blanco	Blanco	1,350	14	47.5	− 1.8	75	1†	13	7	44	0.24	− 1.17	0.14	T.	2	21	9	1	n.	R. C. Crist.
Boerne	Kendall	1,412	18	53.2	+ 4.4	81	23	20	6	44	0.05	− 1.50	0.05	T.	1	16	3	12	n.	F. W. Schweppe.
Booth	Fort Bend	81	9	.....	.....	.....	.....	.....	.....	.....	1.26	.....	0.50	0.0	4	17	0	14	e.	T. R. Booth.
Bowie	Montague	1,113	16	45.6	+ 1.4	83	1	18	6†	41	0.30	− 0.41	0.26	0.0	2	17	6	8	n.	Craig Anderson.
Brazoria	Brazoria	25	21	.....	.....	78[k]	3†	21[k]	7	32[k]	.....	.....	2.10[k]	0.0[k]	7[k]	10[k]	9[k]	1[k]	se.	Mrs. M. A. Stevens.
Brazos	Palo Pinto	801	1	.....	.....	.....	.....	.....	.....	.....	0.64	.....	0.31	T.	4	20	0	11	n.	Robt. E. Boyett.
Brenham	Washington	350	21	52.8	+ 0.6	78	1	22	7	37	1.12	− 2.77	0.69	0.0	4	15	4	12	n.	Mrs. B. F. Sloan.
Bridgeport	Wise	754	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Wm. M. Wilkinson.
Brighton	Nueces	12	14	60.6	+ 4.7	82	31	24	7	33	0.10	− 1.20	0.05	0.0	3	9	18	4	se.	G. H. Ritter.
Brownsville	Cameron	38	21	63.2	+ 5.5	82	18	30	7	33	0.35	− 1.03	0.14	0.0	6	.....	.....	.....	s.	U. S. Weather Bureau.
Brownwood	Brown	1,342	20	46.4	− 0.7	85	1	13	8	48	0.20	− 1.30	0.10	T.	2	18	2	11	n.	Mrs. Pearl Smith.
Cameron	Milam	.....	2	49.1	.....	80	26	18	7	42	0.62	.....	0.40	0.2	4	23	4	4	n.	J. E. Watts.
Carmona	Polk	330	2	52.3	.....	78	1	14	7	45	1.00	.....	0.52	0.2	5	19	9	3	s.	M. S. Spitler.
Claytonville	Fisher	2,100	6	47.4	.....	80	1	12	6	60	0.80	.....	0.80	0.0	1	14	8	9	s.	Wm. Lanius.
Coleman	Coleman	1,710	16	51.2[b]	+ 3.9	89[d]	23	18	6	51[d]	0.40	− 0.54	0.40	0.0	1	19	3	9	s.	J. H. Tucker.
College Station	Brazos	308	19	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Prof. G. S. Fraps.
Colorado	Mitchell	2,066	16	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	R. M. Webb.
Columbia	Brazoria	34	21	56.8	+ 3.0	79	26	19	7	35	2.53	− 1.13	2.00	0.0	3	19	9	3	s.	R. B. Loggins.
Columbus	Colorado	206	6	.....	.....	.....	.....	.....	.....	.....	1.54	.....	0.80	0.0	4	10	9	12	nw.	Mrs. Sophie Bridge.
Comstock	Valverde	1,557	1	47.7	.....	80	24	15	6	42	0.40	.....	0.39	0.1	2	20	5	6	se.	A. D. Brown.
Corpus Christi	Nueces	20	23	57.6	+ 4.1	78	26	30	7	29	0.83	− 1.42	0.37	0.0	4	13	11	7	se.	U. S. Weather Bureau.
Corsicana	Navarro	445	21	47.8	+ 0.4	78	1	19	8	40	1.27	− 1.16	0.70	2.0	4	19	1	11	se.	E. L. Gibson.
Crockett	Houston	350	6	53.7	.....	80	12	19	7	36	T.	.....	T.	0.0	0	13	10	8	s.	A. M. Rencher.
Cuero	DeWitt	177	21	54.4	+ 1.7	80	3†	20	7	40	4.22	+ 2.11	2.35	0.0	4	19	1	11	n.	H. R. Frobese.
Dallas	Dallas	466	21	46.5	+ 1.6	79	1	14	7†	46	1.57	− 0.95	0.91	0.0	5	18	0	13	n.	G. A. Eisenlohr.
Danevang	Wharton	145	14	57.4	+ 3.9	78	2†	19	7	40	1.15	− 2.01	0.70	0.0	2	24	3	4	se.	H. P. Hermansen.
Decatur	Wise	1,047	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Fort Worth & Denver Ry.
Del Rio	Valverde	952	4	52.7	+ 2.5	84	23	20	7	50	0.03	− 1.65	0.02	0.0	2	15	7	9	se.	U. S. Weather Bureau.
Devine§	Medina	653	.....	55.4	.....	82	25	19	7	46	0.24	.....	0.21	0.3	2	16	6	9	se.	M. A. Keller.
Dialville	Cherokee	575	12	51.5	.....	74	2	17	7	40	1.49	− 1.02	0.61	0.0	6	16	7	8	sw.	J. M. B. McKnight.
Dilley	Frio	569	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	John W. Miller.
Dublin	Erath	1,466	15	47.2	+ 1.7	78	1†	13	6	33	0.59	− 0.73	0.35	3.5	2	12	10	9	n.	Jno. O. Shafer.
Duval	Travis	820	21	51.9	+ 1.1	80	23	20	7	39	0.15	− 1.52	0.15	T.	1	21	1	9	s.	J. C. Edgar.
Eagle Pass	Maverick	800	21	56.1	+ 3.0	86	30	25	7	56	0.12	− 0.63	0.12	0.0	1	3	25	3	.....	Jos. Metcalfe.
Edna	Jackson	71	1	.....	.....	.....	.....	.....	.....	.....	2.95	.....	1.60	0.0	6	.....	.....	.....	.....	E. L. Faires.
El Paso	El Paso	3,762	31	46.6	+ 2.5	77	1	13	7	36	0.21	− 0.30	0.21	0.0	2	13	14	4	nw.	U. S. Weather Bureau.
Encinal	La Salle	558	2	59.4	.....	87	17	23	7	46	1.13	.....	1.05	0.0	2	14	10	7	se.	H. C. Braden.
Fairland	Burnet	1,000	1	50.4	.....	87	31	15	7	47	0.17	.....	T.	T.	1	17	7	7	n.	R. L. Bush.
Falfurrias	Starr	.....	3	59.6	.....	85	25	16	7	55	T.	.....	T.	0.0	0	22	6	3	se.	W. A. Gardner.
Flatonia	Fayette	465	2	55.2	.....	81	28	22	7	36	1.54	.....	0.65	0.0	4	17	6	8	n.	Fred W. Laux.
Flint	Smith	483	.....	50.4	.....	76	2	14	7	41	.....	.....	.....	T.	5	17	5	9	sw.	F. C. C. Carter.
Fort Clark	Kinney	1,050	23	52.6	+ 0.1	82	24	16	5	42	0.10	− 0.76	0.10	T.	1	13	9	9	e.	Post Hospital.
Fort McIntosh	Webb	460	24	59.4	+ 3.5	89	24	22	7	52	0.45	− 0.39	0.45	0.0	1	15	7	9	e.	Do
Fort Stockton	Pecos	3,050	13	51.1	+ 7.7	88	1	9	6	50	0.24	− 0.16	0.22	0.2	2	16	13	2	n.	H. H. Butz.
Fort Worth	Tarrant	670	15	48.2	+ 3.9	79	1	15	7	37	1.36	− 0.43	0.50	5.0	3	14	10	7	s.	U. S. Weather Bureau.
Fredericksburg	Gillespie	1,742	21	49.6[a]	+ 0.9	78	3	16	7	47[a]	0.19	− 1.31	0.16	0.8	2	18	3	10	s.	Arthur Striegler.
Gainesville	Cooke	738	21	44.8	+ 1.5	77	1	17	7	43	0.99	− 0.92	0.68	.....	2	.....	.....	.....	.....	J. L. Hickson.
Galveston	Galveston	69	40	55.2	+ 2.5	71	26	30	7	23	2.05	− 1.57	1.51	0.0	7	10	17	4	se.	U. S. Weather Bureau.
Gatesville	Coryell	795	6	47.9[b]	.....	78	23	14	7	46[b]	0.70	.....	0.60	1.0	2	.....	.....	.....	.....	John Ryan.
Georgetown	Williamson	750	15	51.0	+ 1.8	82	23	14	7	49	0.12	− 1.87	0.09	0.0	3	23	1	7	n.	Prof. R. F. Young.
Gonzales	Gonzales	299	5	.....	.....	.....	.....	.....	.....	.....	1.50	.....	0.87	0.0	3	14	2	15	s.	J. M. Johnson.
Graham	Young	1,040	11	.....	.....	89	1	22[c]	20†	54[c]	T.	− 0.53	T.	0.0	0	16	3	12	s.	C. W. Johnson.
Grand Saline	Van Zandt	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	F. E. Whittemore.
Grapevine	Tarrant	670	20	47.2[b]	+ 1.6	79[b]	1	10	7†	42†	1.61	− 0.38	0.65	7.0	4	15	5	11	s.	W. J. Crowley.
Greenville	Hunt	550	10	46.0	+ 0.6	73	2†	18	7†	40	1.00	− 0.70	0.60	1.0	3	16	0	15	w.	J. P. Regan.
Hallettsville	Lavaca	235	19	53.8	+ 1.5	76	3	22	7	35	1.75	− 0.34	1.23	0.0	2	17	4	10	s.	Dr. J. E. Lay.
Harper	Gillespie	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.04	.....	0.02	0.4	3	22	0	9	.....	Christian Fritz.
Haskell	Haskell	4,013	19	44.6	+ 4.3	84	1	17	6†	44	T.	− 0.79	T.	0.0	0	18	8	5	n.	P. D. Sanders.
Hebbronville	Duval	.....	3	.....	.....	.....	.....	.....	.....	.....	0.00	.....	0.00	0.0	0	.....	.....	.....	.....	Henry Edds.
Hempstead	Waller	254	6	.....	.....	.....	.....	.....	.....	.....	0.57	.....	0.32	0.0	2	14	4	13	e.	J. H. Hancock.
Henderson	Rusk	500	1	.....	.....	.....	.....	.....	.....	.....	2.10	.....	0.80	0.0	5	12	9	10	.....	M. Kangerga.
Hewitt	McLennan	664	15	.....	.....	.....	.....	.....	.....	.....	0.69	− 2.30	0.53	0.0	3	.....	.....	.....	.....	I. H. Earle.
Hillsboro	Hill	628	7	50.0	.....	85	24	19	6	42	0.00	.....	0.0	0.0	0	.....	.....	.....	.....	Thompson & Campbell.
Hondo	Medina	901	8	53.8	.....	78	26	18	7	39	.....	.....	.....	0.0	.....	13	12	6	.....	H. E. Haass.
Houston	Harris	138	21	55.6	+ 3.3	78	1	24	7	30	1.59	− 2.54	0.83	0.0	5	16	12	3	se.	U. S. Weather Bureau.
Huntsville	Walker	400	22	50.4	+ 0.5	75	1†	17	7†	37	.....	.....	.....	.....	.....	14	0	17	e.	W. Y. Barr.
Jewett	Leon	496	6	50.1	.....	80	20†	18	7	46	.....	.....	.....	.....	.....	26	3	2	s.	Earle Adkisson.
Junction	Kimble	1,645	7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Judge John S. Durst.
Kaufman	Kaufman	448	11	48.7	+ 1.2	74	2†	19	7	36	1.16	− 0.78	0.76	1.0	3	18	6	7	s.	B. J. Hubbard.
Keene	Johnson	940	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Industrial Academy.
Kerrville	Kerr	1,650	15	48.9	+ 2.7	80	22†	11	7	61	0.00	− 1.16	0.00	0.0	0	17	3	11	n.	Mrs. F. Coleman.
Knickerbocker	Tom Green	2,050	6	48.2	.....	84	1	5	6	46	0.61	.....	0.52	1.0	3	19	3	9	s.	Jos. Tweedy.
Kopperl	Bosque	576	10	.....	.....	.....	.....	.....	.....	.....	1.16	− 0.03	0.80	0.0	3	12	7	12	n.	T. A. Johnson.
Lampasas	Lampasas	1,026	19	48.3	+ 0.6	81	22	14	7	56	1.06	− 0.52	0.52	0.0	5	11	12	8	n.	Mrs. K. I. Webber.
La Parra	Cameron	38	8	.....	.....	.....	.....	.....	.....	.....	0.50	.....	0.50	0.0	1	.....	.....	.....	.....	John G. Kennedy.
Laureles Ranch	Nueces	20	11	.....	.....	.....	.....	.....	.....	.....	0.00	.....	0.00	0.0	0	.....	.....	.....	.....	Matt Cody.
Le Min Ranch	Terrell	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Lewis Le Min.
Liberty	Liberty	38	6	54.8	.....	87	2	20	7	42	2.46	.....	1.10	0.0	4	14	13	4	n.	Mrs. Fannie Sneed.
Llano	Llano	1,040	19	50.0	+ 0.3	89	1	16	7	47	0.02	− 1.00	0.02	0.0	1	24	4	3	e.	E. W. Torrence.
Llano Grande	Hidalgo	86	2	60.0	.....	87	18	17	7	52	0.10	.....	0.10	0.0	1	24	1	6	se.	M. D. Wardlow.
Long Lake	Anderson	229	5	.....	.....	.....	.....	.....	.....	.....	0.84	.....	0.30	0.0	4	13	2	16	s.	Tom Ritson.
Longview	Gregg	336	21	48.2	+ 1.6	86	26	20	6†	48	1.76	− 2.71	0.74	T.	8	17	0	14	se.	C. A. Propst.
Lufkin	Angelina	325	3	53.1	.....	79	25	16	7	43	1.58	.....	0.50	T.	5	19	4	8	s.	T. A. King.
Luling	Caldwell	418	21	53.4	+ 1.5	77	1†	19	7	36	0.81	− 1.09	0.51	T.	3	15	1	15	n.	John Carter.
McGregor	McLennan	713	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	T. E. Streight.
Marathon	Brewster	4,043	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Rev. A. P. Willis.

TABLE 1.—*Climatological data for January, 1910. District No. 8*—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, yrs.	Temperature, in degrees Fahrenheit.							Precipitation, in inches.				Number of rainy days, .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.		
Texas—Cont'd.																				
Marble Falls	Burnet	771	2								0.16		0.06	0.0	3	15	2	14	n.	Wm. Harrison.
Marfa	Presidio		2								0.00		0.00	0.0	0					R. K. Colquitt.
Marshall	Harrison	375	1	49.7		76	1	17	7	38	2.40		0.80	0.2	7	8	15	8	s.	Lee Scott.
Mexia	Limestone	537	6	47.7		76	23	18	6†	46	1.26		0.55	0.0	6	11	9	11	s.	Miss Josephine Newman.
Midland	Midland		3								0.00		0.00	0.0	0	20	8	3	sw.	H. J. Elder.
Mont Belvieu§	Chambers	65									2.36		1.95	0.0	4					A. R. Shearer.
Mt. Blanco	Crosby	2,750	22	43.0	+ 3.4	84	25	13	6	54	0.08	− 0.58		0.2	2	16	6	9	s.	H. C. Smith.
Nacogdoches	Nacogdoches	271	11	50.1	+ 1.8	77	1	16	7	40	1.56	− 1.62	0.68	T.	3	14	4	13	n.	Miss Mary Hofmann.
New Braunfels	Comal	720	21	52.1	+ 0.5	77	23	19	7	42	0.27	− 1.53	0.25	0.0	2	15	7	9	n.	J. Giesecke.
Palestine	Anderson	510	28	50.8	+ 4.3	75	23	20	6	37	0.48	− 3.39	0.18	T.	8	15	8	8	s.	U. S. Weather Bureau.
Panter	Hood	1,000	20								0.88	− 0.92	0.49	4.2	3					E. H. Snider.
Pearsall	Frio	629									0.00		0.00	0.0	0					H. E. Walker.
Pierce	Wharton	102	4	51.8		79	16	15	7	38	0.74		0.48	0.0	2	14	7	10		R. B. Pointer.
Plainview	Hale	3,370	2	41.6		81	1	11	6	46	0.30		0.17	0.0	2	19	7	5	sw.	J. F. Sander.
Port Lavaca	Calhoun	20	9	57.2		81	17†	20	7	33	1.28		0.83	0.0	3	13	13	5	e.	J. H. Bickford.
Ricardo	Nueces	57	1	60.6		86	12	23	7	46	0.80		0.52	0.0	4	20	9	2	s.	Lindsay Waters.
Riverside	Walker	169	6								0.60		0.40	0.0	2	5	0	26	n.	Mrs. C. W. Higdon.
Robert Lee	Coke	1,850	2	46.6		84	1	15	7	49	0.15		0.08	0.2	2	19	4	8	s.	H. D. Pearce.
Rockland	Tyler	136	6								2.23		1.10	0.0	4	13	2	16	n.	D. W. Bellamy.
Rossville	Atascosa	558	3	55.8		78	25	19	7	41	0.94		0.46	0.0	4	15	12	4	se.	W. F. M. Ross.
Runge	Karnes	308	15								2.44	− 1.21	1.70	0.0	3					Reiffert & Frobese.
Sabinal	Uvalde	964	6	56.2		82	23	18	7	42	0.46		0.30	0.1	4	13	2	16	e.	Jas. Johnson.
San Angelo	Tom Green	1,847	2	48.2		83	1	13	6	47	0.60		0.35	0.6	2	18	5	8	s.	Sam Crowther.
San Antonio	Bexar	701	25	54.7	+ 3.6	80	23	23	7	39	0.88	− 0.80	0.83	0.0	4	14	8	9	se.	U. S. Weather Bureau.
San Augustine	San Augustine	360	1	51.0		76	1†	14	7	41	1.92		0.85	T.	6	12	12	7		F. A. Wilson.
San Juanito§	Hidalgo		1	62.8		86	17†	21	7	47	T.		T.	0.0	0	6	9	16	n.	J. B. McAllen.
San Marcos	Hays	588	17	51.6	+ 0.4	77	18	17	7	43	0.20	− 1.29	0.20	0.0	1	18	0	13	n.	Miss L. C. Ford.
San Saba	San Saba	1,712	6	47.9		81	1	10	6	49	0.35		0.15	0.4	5	21	3	7	n.	Jas. Burns.
Santa Gertrudes	Nueces		8								0.91		0.42	0.0	3					J. B. Wright, jr.
Seymour	Baylor	1,180	4	44.4		86	25	15	6	48	0.50		0.25	0.0	3	22	1	8	s.	F. M. Deaver.
Somerville	Burleson	251	1	54.5		80	24	20	7	44	0.04		0.04	0.0	1	4	18	9	s.	W. A. Dolan.
Sonora	Sutton	2,200	7	47.0		82	1	11	7	49	0.38		0.20	2.0	3	3	19	9	s.	Mike Murphy.
Sugarland	Fort Bend	79	12	56.4	+ 3.6	80	1†	20	7	48	1.62	− 1.19	1.10	0.0	3	16	10	5	s.	O. M. Bakke.
Taylor	Williamson	583	9	50.8	+ 3.3	78	23	18	5	39	0.20	− 2.62	0.15	T.	4	20	5	6	n.	U. S. Weather Bureau.
Temple	Bell	630	16	51.6	+ 4.6	81	22	20	5†	47	0.62	− 1.57	0.43	0.0	4	16	8	7	s.	H. D. Patterson.
Tilden	McMullen		4	55.8[e]		86[e]	4	18	7	54[e]	0.37		0.23	0.0	4	11[e]	6[e]	8[e]	e.	Wm. Kuykendall.
Tivoli	Refugio																			W. H. Gisler.
Uvalde	Uvalde	937	2	55.6		83	24	16	7	47	0.55		0.55	0.0	1	13	10	8	se.	F. M. Getzendaner.
Valley Junction	Robertson	289	5								0.10		0.10	0.0	1	17	0	14	n.	T. M. Williams.
Victoria	Victoria	187	12	56.8	+ 3.2	78	1†	21	7	38	2.70	− 0.07	2.30	0.0	2	16	0	15	n.	C. C. Zirjacks.
Waco	McLennan	424	21	48.4	− 0.4	75	2†	18	7†	40	1.12	− 1.35	1.02	0.0	4	19	1	11	s.	E. H. Hall.
Waxahachie	Ellis	556	14	44.9[a]	0.0	78[a]	24	14	7†	50[a]	1.31	− 0.81	0.75	1.0	4	20	2	9	n.	C. D. Longserre.
Weatherford	Parker	864	21	44.9	+ 0.2	79	1	13	7	38	1.12	− 0.62	0.55	5.0	4	19	2	10	s.	Miss J. Stickfort.
Wharton	Wharton	105	8																	Mrs. F. M. Hughs.
Wills Point	Van Zandt	524	5	46.6		72	2†	15	7	36	2.37		1.00	1.0	4	16	5	10	n.	W. W. Gibbard.
Zapata	Zapata	300	1	59.8		85	4	19	7	48	1.27		1.27	0.0	1	16	7	8	se.	F. H. Earnest.

[a], [b], [c], etc., indicate, respectively, 1, 2, 3, etc., days missing from the record.
* Precipitation included in that of the next measurement.
** Temperature extremes are from observed readings of the dry-bulb; means are computed from observed readings.
† Also on other dates.
‡ Separate dates of falls not recorded.
§ 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.
‖ Estimated by observer.
‖‖ 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 2.—*Daily precipitation for January, 1910. District No. 8, Texas and Rio Grande Valley.*

Stations.	River basins.	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	30	31	
Colorado.																																	
Blanca	Rio Grande		.16	T.	T.						.01	T.				T.	T.	T.										T.					0.17
Cumbres	do	.89	.77	.80	.55	.02						.59	.51	T.		T.	.52	.78	T.								T.	T.					5.43
Garnett	do			.07																													0.07
Hermit	do	.36	.19	.31	.03							.13				.03	.16	.16										.05					1.47
La Veta Pass	do			.22																													0.22
Manassa	do		T.	T.	T.												T.																T.
Platora	do	1.31	1.28	.42	.19							.28	.29		.07		.45	.56								T.							4.85
Saguache	do	T.		T.								T.					T.																T.
San Luis	do		.20	.02	.18							T.	.10					T.	T.									T.					0.50
Wagon Wheel Gap	do		.13	.27	.20							.05					.05	.15															0.85
New Mexico.																																	
Agricultural College	Rio Grande											*	.22																			T.	0.22
Alamogordo (near)	do		*	.05	T.							.05	.30		T.	T.																	0.40
Alamogordo	do			.09		T.						.09		.19																			0.37
Albuquerque	do												.03				.05																0.14
Ancho	do		.01		.01							.01		.04																			0.07
Artesia	Pecos			.05		.01						.02			T.																		0.08
Aspen Grove Ranch	Rio Grande		.56	.20		.10						.45					.90	.02									T.						2.23
Bateman's Ranch	do	T.	T.	*	.22	.04	.01					.20	.01				.23	.10															0.81
Bluewater	do		.12	*	.09							T.			.06		T.																0.27
Bluewater Reservoir	do			T.		.03																											0.03
Boaz	Pecos				.03								.08																				0.11
Capitan	do			T.	T.	.02						T.	.08																				0.10
Carlsbad	do			.06		.01							.01		.01																		0.09
Carrizozo	Rio Grande				T.	T.						*	.50																				0.50
Chama	do		.27	.54	.56	.07						.32					.36	.27															2.39
Cloudcroft	Pecos											.90																					0.90
Corona	do				.34	.19																											0.53
Coyote	Rio Grande	.03				.01						.23	.02																				0.29
Cundiyo	do		.22	*	.23	.19						*	.12				.04																0.80
Demonstration Farm	Pecos		.02																														0.02
Duran	do				T.	T.						T.			T.																		T.
Edison Mine	Rio Grande																																
Elida	Pecos			.01	.01								.01																				0.03
Elk (near)	do																																
Escondido	Rio Grande			T.		T.						.07	.04																				0.16
Espanola	do	T.		.25	.12								T.				.08																0.45
Estancia	do		.09	*	.08	.04																											0.21
Fort Stanton	Pecos		T.	T.	T.	T.						T.	.10																				0.10
Fort Sumner	do				T.	T.						.51																					0.51
Gallinas	do		.07										.22	.20																			0.49
Gallinas Pltg. Station	do		.23		.24	.04						.02	.04														T.						0.62
Harvey's Upper Ranch	do	T.	.05	.09	.23	.12						.23		T.		T.	.26	.44								T.							1.42
Hillsboro	Rio Grande														T.	T.																	T.
Hodges	do	T.	T.		.59	.35						.20			.10		T.																1.24
Hondo Reservoir	Pecos				.02	T.	.02						T.																				0.04
Hope	do																																
Hopewell	Rio Grande	T.	.35	.20	.14	T.						.20	.20		T.		.26	.75															2.10
Jemez Springs	do																																
Laguna	do															T.																	T.
Lagunita	Pecos				.11		T.					.04	.03																				0.18
Lake Valley	Rio Grande				.06							*	.18		.01	.01																	0.26
Las Vegas	Pecos			*	.16	T.	T.						T.																				0.16
Liston	do											*	.10																				0.10
Los Lunas (near)	Rio Grande				.05							.08																					0.13
Los Tanos	Pecos				.10		.04					.12	.16																				0.42
Magdalena	Rio Grande			T.	*	.50						T.			T.																		0.50
Malaga	Pecos			T.		T.							T.	T.																			T.
Mineral Hill	do				.44							.28						.09															0.81
Monterey	Rio Grande					T.						T.	.27																				0.27
Monument	Pecos																																
Mountainair	Rio Grande			.09	T.	.14						*	.23																				0.46
Newman	do			T.																													T.
Noria	do											T.																					T.
Orange	do																																
Orogrande	do					T.						T.	T.																				T.
Oscura	do					T.						.18	.15																				0.33
Otis	Pecos			.03	.05	T.	T.						.04	.02																			0.14
Otto	Rio Grande	.10	T.	.20	T.	T.							.08																				0.38
Pastura	Pecos											.25																					0.25
Picacho (near)	do																																
Red River Canyon	Rio Grande	.80			.90							.48					.72	.40															3.30
Rincon	do				T.							T.	T.																				T.
Rio Grande Dam	do			T.		T.						T.																					T.
Rosedale	do	*	.07									.25	.01				T.																0.33
Roswell	Pecos			.05		.02						.03																					0.10
San Marcial	Rio Grande																																0.00
San Rafael	do		*	.10																													0.10
Santa Fe	do	.12	.04	.11	.06	.01						.12	.05			.03	.22	T.															0.76
Santa Fe Canyon	do			*	.36	.16																											0.52
Santa Rosa	Pecos			T.	.07							.20	.32				.04																0.63
Socorro	Rio Grande		.05									.10																					0.15
Stanley	do		.02	T.	.18								.19			T.	T.																0.39
Strauss	do																																0.00
Swastika Ranch	do		.03	T.	.03	T.					T.	.12				.06	.10	.04															0.38
Taft	Pecos																																
Taos	Rio Grande	.20		*	.27							*	.32				.27	.01															1.07
Taos Canyon	do	T.	.43	.07	.31	T.						T.	.22			T.	.12	.35	.03														1.53
Tecolote	do		.05		.06	.02						.20	.25																				0.58
Three Rivers	do											.20																					0.20
Torrance	Pecos				T.	T.																											T.
Tres Piedras	Rio Grande	.20	.25		.10							.10					.10	.30															1.05
Truchas	do	.50	.25	.25								T.					T.	T.															1.00
Tularosa	do				T.	T.						.08	.02	.18	T.																		0.28
Vaughn	Pecos																																0.00
Winsors	do	.03	.07	T.	.28							.02	.40				.19	.04															1.03
Texas.																																	
Abilene	Brazos			T.	.02	T.							.16	.19																			0.37
Albany	do			T.		T.							.29																				0.29
Alvin‖	Coast			2.30	.64										.15						.31								T.				3.40
Anahuac	do					2.48	.07							.16							.18												2.89
Austin	Colorado				.14		.01														.02												0.17
Ballinger‖	do				T.		.10							T.																			0.10
Barstow	Pecos			T.									T.	T.																			T.

TABLE 2.—*Daily precipitation for January, 1910. District No. 8*—Continued.

Stations.	River basins.	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	30	31	
Texas—Cont'd.																																	
Bay City	Colorado					.44									.20						.15										T.		0.79
Beaumont‖	Neches				*	*	2.71												.08	T.	.62	T.											3.41
Beeville‖	Coast				.06	T.	.57							.48	1.80		T.		T.		.05											.05	3.01
Big Springs	Colorado			T.	.04								.01	.18																			0.23
Blanco‖	Guadalupe					.10	.14																										0.24
Boerne	San Antonio				.05	T.																											0.05
Booth‖	Brazos					.12	.50								.18						.46												1.26
Bowie	Trinity				T.	.04								.26																			0.30
Brazoria	Brazos																																
Brazos‖	...do					.01	.01						.31	.31																			0.64
Brenham‖	...do				.06	T.	.69							T.	.28			T.			.09												1.12
Bridgeport‖	Trinity																																
Brighton	Coast				.02	.03														.05													0.10
Brownsville	Rio Grande					.14	.04							.11	T.		.02			.03											.01		0.35
Brownwood‖	Colorado				T.	.10	T.						T.		.10																		0.20
Cameron‖	Brazos				T.	.18	.02							T.	.40						.02												0.62
Carmona	Neches				T.	.52	.02							.29				.05			.12								T.				1.00
Claytonville	Brazos													.80																			0.80
Coleman	Colorado													.40																			0.40
College Station	Brazos																																
Colorado	Colorado																																
Columbia	Brazos					2.00								.10						T.	.43												2.53
Columbus‖	Colorado				.40	T.	.30								.80							.04											1.54
Comstock	Rio Grande					.01								.39																			0.40
Corpus Christi	Coast				.16	.37								.24						.06													0.83
Corsicana‖	Trinity					.20	.20							.70	.17																		1.27
Crockett	...do			T.																									T.				T.
Cuero‖	Guadalupe					.40	1.20							.27	2.35																		4.22
Dallas‖	Trinity				.04	.41	.21							.75	.16														T.				1.57
Danevang	Coast					.70								.45																			1.15
Decatur	Trinity																																
Del Rio	Rio Grande				T.	.02	T.							T.				.01															0.03
Devine	Nueces						.03							T.	.21	T.					T.												0.24
Dialville	Neches			T.	.10	.61							.35						.08		.30								.05				1.49
Dilley	Nueces																																
Dublin‖	Brazos			T.	T.	T.	.35						T.	.24																			0.59
Duval	Colorado				.15	T.	T.						T.	T.							T.												0.15
Eagle Pass	Rio Grande													.12																			0.12
Edna	Lavaca				.15	.20					T.		.70	1.60				.20								T.				10			2.95
El Paso	Rio Grande											.14	.07																				0.21
Encinal	Nueces					.08									1.05																		1.13
Fairland	Colorado				T.	T.	T.					T.		.17																			0.17
Falfurrias	Coast													T.						T.													T.
Flatonia	Guadalupe				.15	.65								.65	.09	T.																	1.54
Flint	Neches																																
Fort Clark‖	Rio Grande					T.								T.		T.	.10																0.10
Fort McIntosh	...do													.45																			0.45
Fort Stockton	Pecos			T.	T.	.02								.22																			0.24
Fort Worth	Trinity			T.	.37	.50						T.	T.	.49			T.																1.36
Fredricksburg	Colorado	T.				.16	.03					T.					T.									T.							0.19
Gainesville	Trinity				.68									.31																			0.99
Galveston	Coast			T.	.04	1.50	.01							.23					.06		.20				.01								2.05
Gatesville	Brazos						.10							.60																			0.70
Georgetown‖	...do			T.	.02	.09								.01																			0.12
Gonzales‖	Guadalupe					.19	.44								.87																		1.50
Graham	Brazos			T.																													T.
Grand Saline	Sabine																																
Grapevine	Trinity			.05	.45	.65									.46																		1.61
Greenville‖	Sabine				T.	.30	.10							.60															T.				1.00
Hallettsville	Lavaca			T.	T.	1.23								.52			T.			T.													1.75
Harper	Colorado					.01	.02	.01																									0.04
Haskell	Brazos			T.									T.																				T.
Hebbronville	Coast																																0.00
Hempstead‖	Brazos			T.			.32	.25							T.																		0.57
Henderson	Neches			T.	T.	.80								.56					.10	.60								.04					2.10
Hewitt	Brazos				.12	.04								.53																			0.69
Hillsboro	...do																																0.00
Hondo	Nueces																																
Houston	Coast		T.		.01	.83								.15					T.	.03	.57												1.59
Huntsville‖	Trinity																																
Jewett‖	...do																																
Junction	Colorado																																
Kaufman	Trinity				.20	.20								.76																			1.16
Keene	Brazos																																
Kerrville‖	Guadalupe																																0.00
Knickerbocker	Colorado			T.	.06	T.	.03							.52																			0.61
Kopperl‖	Brazos			T.	T.	.80	.06							.30																			1.16
Lampasas‖	...do					.11	.09	.03						T.	.31	.52																	1.06
La Parra	Coast					.50																											0.50
Laureles Ranch	...do																																0.00
Le Min Ranch	Pecos																																
Liberty‖	Trinity	T.	T.		T.	.45	1.10								.20				T.		.71												2.46
Llano	Colorado				T.	T.								.02																			0.02
Llano Grande	Rio Grande					.10				T.					T.	T.			T.	T.													0.10
Long Lake‖	Trinity					.04	.22								.28						.30												0.84
Longview‖	Sabine				.06	.07	.74							.10	.40				.06		.29								.04				1.76
Lufkin	Neches					.50	.09							.46	T.		.07				.46												1.58
Luling‖	Guadalupe				T.	.20	.10								.51																		0.81
McGregor	Brazos																																
Marathon	Rio Grande																																
Marble Falls‖	Colorado				.04	.06	T.						T.	T.	06																		0.16
Marfa	Rio Grande																																0.00
Marshall	Sabine			T.	.14	.80	.12							.32					.21		.73								.08				2.40
Mexia‖	Brazos						.55	.18						.15	.35			.02			.01						T.						1.26
Midland	Colorado																																0.00
Mont Belvieu	Coast			T.	.05	1.95	.03						T.	.33																			2.36
Mt. Blanco	Brazos			*	.08																												0.08
Nacogdoches‖	Neches					T.	.68								.48				T.		.40								T.				1.56
New Braunfels	Guadalupe				.25		.02																										0.27
Palestine	Trinity			.03	.01	.16	T.							.18					.01	.01	.06					T.		.02					0.48
Panter	Brazos				.21	.49								.18																			0.88
Pearsall	Nueces																																0.00
Pierce	Colorado					.48								.26																			0.74
Plainview	Brazos			.13	.17								T.																				0.30

TABLE 2.—*Daily precipitation for January, 1910. District No. 8*—Continued.

Stations.	River basins.	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	30	31	
Texas—Cont'd.																																	
Port Lavaca	Coast			T.		.24								.83	.21																T.		1.28
Ricardo	...do				T.	.52	.05							.10		T.				.13													0.80
Riverside‖	Trinity						.40								.20			T.			T.												0.60
Robert Lee‖	Colorado			T.	.07	.08	T.																										0.15
Rockland‖	Neches					.45	1.10												.15	T.	.53												2.23
Rossville	Nueces				.10	.02	T.							.46	.36		T.										T.						0.94
Runge	San Antonio					.61						1.70	.13																				2.44
Sabinal	Nueces						.01					.10	.05		.30																		0.46
San Angelo	Colorado			T.	.25	.35								T.																			0.60
San Antonio	San Antonio				.04	T.								.77	.06	.01				T.						T.							0.88
San Augustine	Neches				.10	.85	.14							.28					.05		.50												1.92
San Juanito	Coast					T.																											T.
San Marcos‖	Guadalupe				.20																												0.20
San Saba	Colorado			.01	.04	.15	.05							.10																			0.35
Santa Gertrudes‖	Coast					.42	.32		.17																								0.91
Seymour	Brazos			.07	.18	T.							.25		T.																		0.50
Somerville	...do					.04								T.																			0.04
Sonora	Rio Grande				.06		.20					.12																					0.38
Sugarland	Brazos					.42								.10					T.		1.10												1.62
Taylor	...do	T.			.15	.02								.01				T.		.02													0.20
Temple‖	Brazos	T.	.03		.13									.43		.03				T.													0.62
Tilden	Nueces				.10	.02	.02							.23							T.												0.37
Tivoli	Guadalupe																																.....
Uvalde	Nueces					T.								.55																			0.55
Valley Junction‖	Brazos						.10																										0.10
Victoria‖	Guadalupe						.40							2.30																			2.70
Waco‖	Brazos				.06	.04	T.							.30	.72																		1.12
Waxahachie‖	Trinity				T.	.40	.11							.75	.05																		1.31
Weatherford‖	...do				.03	.08	.55							.46																			1.12
Wharton‖	Colorado																																.....
Wills Point	Sabine			T.	.28	.10	1.00							.99															T.				2.37
Zapata	Rio Grande														1.27	T.					T.												1.27

TABLE 3.—*Maximum and minimum temperatures at selected stations January, 1910. 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...	43	34	47	33	73	32	86	36	65	35	55	32	50	26	80	31	54	31	70	39	82	53	85	50	78	63	76	63
2...	41	29	40	34	70	52	81	38	60	51	55	42	45	23	73	47	48	33	66	42	76	54	78	52	78	62	75	60
3...	38	19	38	27	62	33	73	35	53	26	49	25	47	22	55	29	42	22	59	22	60	23	64	24	78	62	66	60
4...	34	2	34	— 3	42	32	54	28	38	24	25	15	42	27	46	26	22	2	34	17	38	23	52	23	79	66	75	63
5...	18	— 9	21	— 9	35	19	45	21	27	9	21	9	40	25	26	11	16	— 2	29	8	32	21	46	22	74	53	63	37
6...	11	—14	17	—18	35	13	36	14	24	— 1	22	— 4	38	12	31	2	12	— 7	27	1	35	17	37	15	53	36	44	32
7...	18	—14	24	—16	43	8	49	9	40	12	31	1	32	2	45	7	23	— 4	49	15	45	22	47	20	55	30	44	30
8...	25	—10	31	—10	51	13	57	18	53	15	38	10	36	10	53	14	29	4	47	18	54	30	58	23	65	42	60	36
9...	28	— 7	40	— 2	57	22	54	16	59	8	36	12	40	12	53	15	44	11	50	14	56	22	53	22	66	56	58	45
10...	34	— 3	42	7	63	26	56	23	66	16	50	22	42	16	51	23	47	22	61	20	55	39	61	31	72	48	62	47
11...	34	3	38	15	54	37	61	26	56	26	46	28	47	18	46	32	42	33	51	26	61	47	64	48	76	50	63	53
12...	28	3	41	19	63	45	57	43	58	38	49	35	47	23	57	37	42	26	56	36	70	55	64	54	78	58	65	58
13...	32	8	33	— 2	55	36	53	35	46	28	39	24	50	26	49	31	36	20	47	24	58	35	58	38	78	63	69	51
14...	33	10	35	7	40	30	49	41	56	30	38	28	53	30	47	39	39	28	47	29	44	30	48	34	63	54	51	49
15...	38	14	42	19	59	39	57	36	65	31	47	34	56	35	59	35	43	29	58	24	54	38	56	35	72	52	60	50
16...	44	15	39	30	70	40	77	39	66	40	51	35	50	37	75	36	40	36	64	33	64	52	66	44	78	54	66	56
17...	40	11	36	22	62	44	73	43	59	47	42	38	57	40	72	43	41	23	57	40	68	43	75	50	79	65	74	63
18...	35	— 3	38	1	50	29	66	25	55	19	45	14	59	42	58	28	36	14	66	23	54	34	68	32	82	62	66	55
19...	35	0	42	4	58	26	61	21	57	9	47	20	56	36	57	17	43	21	57	19	59	32	58	29	76	54	60	49
20...	39	1	47	4	61	29	60	31	58	22	48	20	53	29	53	27	41	20	49	21	54	34	57	37	77	58	68	53
21...	37	1	44	2	54	19	59	19	56	10	49	18	54	23	56	16	46	22	64	17	55	26	54	20	62	45	58	42
22...	44	3	49	9	66	24	74	29	62	33	58	20	61	38	69	26	51	25	71	38	67	35	75	33	69	36	68	39
23...	47	10	47	18	68	30	76	34	69	42	62	28	60	34	72	36	54	28	66	35	71	41	70	35	76	47	64	47
24...	50	16	50	26	74	36	77	33	72	27	65	34	67	39	75	30	56	33	72	31	75	38	76	32	79	47	64	54
25...	40	27	40	24	68	36	80	35	60	49	61	36	61	44	77	40	50	25	67	34	82	54	85	52	78	55	73	58
26...	32	3	38	8	64	23	76	37	63	30	52	18	48	23	61	29	41	20	60	32	64	39	73	37	79	62	78	60
27...	30	4	33	10	56	26	66	34	48	27	42	26	44	31	52	15	34	20	48	34	62	34	58	38	80	61	77	59
28...	40	4	44	9	60	26	62	13	56	25	53	19	53	18	60	16	41	16	62	15	60	28	63	19	66	46	65	42
29...	39	10	41	10	64	23	73	23	59	22	51	22	53	26	64	23	45	22	55	34	71	37	72	34	73	42	67	46
30...	40	5	44	10	65	27	72	25	57	13	54	19	54	24	69	23	45	17	62	20	58	26	63	24	81	59	65	56
31...	45	5	50	7	63	30	72	28	65	25	57	23	53	25	71	23	49	22	66	27	72	38	73	28	75	56	66	52
Mns	35.2	5.9	38.9	9.5	58.2	29.3	64.1	28.6	55.7	25.5	46.4	22.7	49.9	26.3	58.5	26.4	40.4	19.7	55.6	25.4	59.9	25.5	63.1	33.4	73.4	53.0	64.8	50.5

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...	69	46	77	41	75	39	88	46	79	54	67	60	71	60	78	58	78	64	74	64	81	40	77	52	83	46	77	58
2...	65	52	72	54	76	39	84	51	74	58	68	60	73	53	77	61	77	61	74	60	72	40	77	53	63	37	75	52
3...	74	49	67	40	78	40	75	33	64	28	66	60	76	61	74	61	74	58	70	45	55	19	75	52	38	23	70	34
4...	55	42	46	34	85	38	55	28	40	30	66	59	61	53	77	53	73	62	66	41	40	18	62	46	37	23	42	33
5...	53	30	36	24	78	34	48	24	36	20	66	43	53	39	53	36	70	37	41	24	36	16	50	30	34	21	41	23
6...	42	23	34	15	74	25	36	9	34	19	44	30	39	27	40	28	37	23	31	20	33	11	42	26	36	15	36	22
7...	50	20	40	13	74	22	56	16	41	15	44	30	45	22	45	24	47	16	42	20	38	14	47	23	47	17	44	18
8...	60	22	49	18	68	25	60	18	54	29	53	43	56	29	54	30	59	23	57	29	48	24	62	27	52	27	61	24
9...	60	24	59	25	73	30	57	24	49	28	51	44	57	35	59	37	58	28	55	30	51	20	59	34	54	18	55	28
10...	56	48	61	33	68	30	75	37	57	35	54	45	61	31	56	36	62	30	58	33	58	24	64	37	59	27	61	32
11...	62	53	55	43	73	58	74	44	62	42	58	51	65	44	65	43	68	29	65	38	56	36	67	46	60	43	66	42
12...	71	59	62	47	78	59	69	46	63	54	62	54	69	53	70	54	70	50	69	50	54	42	72	58	70	49	70	54
13...	66	48	52	44	76	45	60	38	63	36	68	51	53	49	70	49	65	49	62	43	50	27	68	49	49	34	64	44
14...	59	47	53	42	75	44	58	38	44	31	54	44	52	41	58	43	51	33	48	31	44	24	51	42	40	33	46	32
15...	51	46	60	42	75	45	66	36	47	40	52	45	58	43	55	40	51	37	48	39	58	34	55	43	49	37	55	42
16...	64	48	70	41	75	53	75	40	59	46	61	52	71	51	71	49	66	45	64	46	70	33	67	51	67	49	66	50
17...	65	48	65	46	81	59	78	44	72	51	66	57	71	59	75	57	74	55	72	59	59	21	76	62	72	40	76	62
18...	64	45	50	32	79	45	66	35	56	39	66	52	62	52	66	49	70	49	65	43	58	20	64	48	57	34	63	41
19...	65	38	55	29	70	45	71	30	57	36	57	47	64	53	61	42	65	32	61	34	59	19	61	41	57	25	62	31
20...	68	43	60	30	76	42	58	38	56	38	64	53	62	54	67	50	63	47	60	43	51	30	66	50	54	37	61	44
21...	60	30	56	33	75	36	64	18	53	30	55	40	60	36	53	38	59	33	49	33	56	18	59	38	54	23	55	31
22...	75	26	62	30	78	32	73	37	62	35	60	44	65	32	66	40	65	29	63	39	68	34	68	34	65	27	68	33
23...	84	34	67	35	88	37	75	43	72	40	66	54	73	38	75	49	75	36	75	43	66	33	80	41	70	30	78	39
24...	78	38	76	40	89	38	84	37	71	40	66	51	70	40	77	47	75	41	71	47	72	33	78	45	74	31	76	47
25...	80	50	71	50	86	47	85	43	78	53	67	54	71	56	75	50	79	48	72	54	80	37	78	57	86	43	76	51
26...	79	44	62	36	86	42	80	40	64	49	71	61	73	54	76	60	74	59	67	54	66	33	74	51	62	33	69	47
27...	78	44	56	34	82	55	64	44	67	41	67	56	72	52	74	52	69	42	70	43	47	24	77	49	57	31	74	41
28...	67	29	57	25	74	38	64	25	59	34	56	44	61	40	59	40	63	34	55	34	60	17	66	39	61	24	60	37
29...	72	36	62	28	76	41	70	30	72	35	64	50	63	33	70	44	70	30	68	42	54	22	69	40	66	31	69	35
30...	69	39	62	35	45	50	73	23	55	32	65	54	65	47	68	52	66	37	58	35	62	17	68	46	57	20	59	37
31...	71	36	63	36	78	59	72	38	72	35	60	51	67	39	71	44	72	29	71	34	70	24	72	41	73	25	74	35
Mns	65.5	39.9	58.6	34.7	77.2	41.7	68.2	34.0	59.1	37.2	60.8	49.6	63.2	44.4	65.6	45.7	66.0	40.2	61.3	40.3	57.2	25.9	66.2	43.6	58.2	30.7	62.9	38.7