## Climatological Data for August, 1909.

## DISTRICT No. 8, TEXAS AND RIO GRANDE VALLEY.

BERNARD BUNNEMEYER, District Editor.

The month was characterized by uniformly warm weather throughout the district, by frequent and heavy showers in both Colorado and New Mexico, and by generally deficient precipitation in Texas. There were, however, heavy rains over limited areas in the last-named State. The sunshine was abundant in Texas, but considerably below the normal in Colorado and New Mexico, both of which had an unusually large number of cloudy and rainy days. In portions of New Mexico the number of rainy days exceeded 20 and the greatest reported was 27 at Hopewell in the upper Rio Grande watershed. The excess of precipitation in New Mexico, coupled with a high average temperature, explains in a large measure the remarkably rapid growth of plant life after a rather dry, backward spring and early summer in that territory.

While the average volume of water carried by the Rio Grande and Rio Pecos was much larger than during the preceding month, there was a general falling off in the other rivers of the district, except the Brazos, whose average depth was about 1 foot greater than in July. The Trinity, Neches, and Sabine were exceptionally low, and the lumber industry in east Texas suffered much from the shortage of water. A number of saw mills had to suspend operations.

The mean temperatures in the various localities of the district ranged from 56.4° at Hopewell, N. Mex., to 89.8° at Fort McIntosh, Tex. These stations are both located in the Rio Grande drainage area. In that of the Rio Pecos the extremes of mean temperature ranged from 62.8° at Windsors, N. Mex., to 82.1° at Barstow, Tex. In all other watersheds of the district the monthly mean temperature exceeded 80°, except in the extreme upper Brazos Valley where it was slightly less. There was a general excess of temperature in the district, although in scattered localities in the Rio Grande and Rio Pecos drainage areas there was a slight deficiency. The excess was greatest in the eastern portion of the district, where the mean temperature averaged from 2° to 4° above the normal. There was a well defined warm period from about the 15th to the 22d, during which temperatures of 100° and over occurred in the southeastern portion of New Mexico and throughout Texas, except the coast and extreme west. The 18th was the warmest day of the month. On this day the temperature reached 102° at Carlsbad, N. Mex., and 115° at a number of stations in the upper Trinity and upper Sabine valleys.

This high temperature has not been exceeded in any August of the past eighteen years. Toward the termination of this heated period local storms occurred in various parts of Texas. The lowest temperature was 40° and occurred at Windsors, N. Mex., on the 10th, and at San Luis, Colo., on the 28th.

The precipitation over the Rio Grande watershed exceeded the normal considerably in its upper and lower portions, but was deficient over a large stretch extending from about Rincon, N. Mex., southward nearly to Eagle Pass, Tex. Over the headwaters of the Rio Grande and over its entire watershed southward nearly to El Paso, Tex., the monthly rainfall averaged very nearly 3 inches. The greatest amount was 10.03 inches at San Rafael, and the least 0.12 inch at Orogrande. From this latter place to Maverick County, Tex., there was a decided deficiency, the average amount being much less than 1 inch; but farther down the average increased rapidly and amounted to nearly 5 inches. While the excess in the upper Rio Grande watershed was the result of thundershowers that occurred at frequent intervals throughout the month, that over the lower drainage area occurred late in the month and was caused by a tropical disturbance which moved westward over the Gulf into Mexico, reaching the upper coast of that country on the 27th. This storm caused high tides on the coast of Texas and considerable damage by wind and water in the lower coast country. At Corpus Christi a wind velocity of 56 miles per hour was recorded on that day. The attending precipitation was exceptionally heavy, especially in northern Mexico, where it inundated the country, causing much loss of life and property, and much suffering. The lower Rio Grande rose higher than known for years and flooded the lowlands for miles, resulting in an interruption of traffic and communication and doing other damage. At the close of the month the river had begun to recede at Samfordyce, but continued at high-water mark below that place.

The rainfall over the Rio Pecos drainage area was decidedly greater than the normal southward to the Texas border line. The average over this area was 3.36 inches. The greatest amount was 10.11 inches at Harveys Upper Ranch, and the least 1.59 inches at Los Tanos. Below the Texas border line there was a marked deficiency, the average amount of precipitation being less than one-half inch.

The northern limit of the rain area attending the tropical disturbance of the 27th extended over the watershed of the Nueces, and there was therefore an excess of precipitation over the greater portion of that drainage area. The excess, however, was much less pronounced than it was over the lower Rio Grande, but it was sufficient to cause some of the smaller tributaries to overflow. The average amount approximated 2.50 inches, the greatest being 4.26 inches at Sabinal, and the least 0.91 inch at Pearsall. From the Nueces eastward to the Brazos, covering the entire drainage areas of the San Antonio, Guadalupe, Lavaca, and Colorado, there was a general deficiency in precipitation, although the deficiency was less over the Guadalupe watershed than over those of the other three rivers. A few limited areas, however, showed a moderate excess. The average amounts of precipitation in these watersheds were as follows: San Antonio, 1.44 inches; Guadalupe, 1.68 inches; Colorado, 1.22 inches; and Lavaca, 0.84 inch. The extremes were greatest in the Colorado watershed where they ranged from 0.09 inch at Llano to 2.80 inches at Austin. Conditions over the Brazos drainage area were much more favorable than over that of the Colorado. It had an average rainfall of 2.35 inches which is nearly twice that of the latter. There was, however, a decided deficiency over both the upper and lower portions, but this deficiency was very nearly offset by a large excess over the middle portion. The greatest amount was 5.47 inches at Dublin, and the least, 0.62 inch, at Abilene. The precipitation over the Trinity drainage area averaged 0.28 inch less than over that of the Brazos. It was excessively heavy over its headwaters, but there was a general deficiency south of Waxahachie. The greatest amount was 6.35 inches at Bowie, and the least, 0.32 inch, at Crockett. There was much less variation in the rainfall over the Sabine drainage area, where the amounts ranged from 0.90 inch at Greenville to 2.34 inches at Logansport, and averaged 1.81 inches. The average over the Neches watershed was 2.60 inches, but this includes excessively heavy local rains, totaling 8.09 inches, at Beaumont near the mouth of the river. Neglecting the Beaumont rains, the average would be reduced to that of the Sabine drainage area. The river stages of the Sabine, and of the Neches above Beaumont, were the lowest recorded for August in the past seven years. Most of the rains in the Texas watersheds occurred during the fore part of the month, except in those of the Nueces and lower Rio Grande, which had the heaviest rains during the third decade.

TABLE 1.—*Climatological data for August, 1909. 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.* | | | | | | | | | | | | | | | | | | | | |
| Amethyst (near) | Mineral | 8,730 | 1 | | | | | | | | | | | | | | | | | Don C. La Font. |
| Blanch | Costilla | 8,403 | | 62.2 | | 84 | 8 | 42 | 28 | 38 | 4.07 | | 1.37 | 0.0 | 18 | 2 | 29 | 0 | sw. | L. C. Audrain. |
| Cumbres | Conejos | 10,015 | 3 | | | | | | | | | | | | | | | | | Venita A. Good. |
| Garnett | Costilla | 7,576 | 16 | 63.2 | + 2.5 | 84 | 22† | 42 | 5 | 39 | 1.47 | + 0.17 | 0.80 | 0.0 | 5 | 4 | 21 | 6 | se. | Chas. Speiser. |
| Hermit | Hinsdale | 9,843 | | | | | | | | | 3.11 | | 0.50 | 0.0 | 20 | | | | | C. C. Mason. |
| La Veta Pass | Costilla | 9,000 | | | | | | | | | 3.35 | | 0.90 | 0.0 | 11 | 10 | 16 | 5 | w. | Norvin R. Lively. |
| Manassa | Conejos | 7,700 | 3 | 62.5[b] | | 83 | 17 | 41 | 19 | 36 | 1.15 | | 0.35 | 0.0 | 5 | 3 | 12 | 14 | se. | J. B. Chapman. |
| Platoro | do. | 9,675 | 2 | | | | | | | | | | | | | | | | | Walter R. Hook. |
| Saguache | Saguache | 7,740 | 17 | | | | | | | | | | | | | | | | | Eugene Williams. |
| San Luis | Costilla | 7,794 | 18 | 62.0 | − 0.1 | 85 | 22 | 40 | 28 | 37 | 3.55 | + 2.14 | 0.63 | 0.0 | 16 | 5 | 25 | 1 | sw. | P. B. Albright. |
| Wagon Wheel Gap | Mineral | 8,434 | 10 | | | | | | | | | | | | | | | | | Ellwood Bergey. |
| *New Mexico.* | | | | | | | | | | | | | | | | | | | | |
| Agricultural College | Dona Ana | 3,863 | 43 | 79.0 | | 96 | 1† | 60 | 7† | 36 | 1.11 | − 0.60 | 0.78 | 0.0 | 4 | 8 | 23 | 0 | | N. M. Agric. College. |
| Alamogordo (near) | Otero | 4,338 | 9 | 77.2 | | 98 | 5† | 56 | 11 | 39 | 1.88 | | 0.85 | 0.0 | 8 | 15 | 11 | 5 | w. | Jas. C. Dunn. |
| Alamogordo | do. | 4,320 | | | | | | | | | 1.75 | | 1.01 | 0.0 | 6 | | | | | Agent E. P. & S. W. R. R. |
| Albuquerque | Bernalillo | 5,200 | 34 | | | | | | | | | | | | | | | | | University of N. M. |
| Amizett | Taos | 9,018 | | | | | | | | | 6.05 | | 0.97 | 0.0 | 26 | 2 | 22 | 7 | ne. | Geo. W. Oates. |
| Ancho | Lincoln | 6,112 | | | | | | | | | | | | | | | | | | Agent E. P. &S. W. R. R. |
| Aspen Grove Ranch | Rio Arriba | 9,000 | | | | | | | | | 2.30 | | 0.40 | 0.0 | 9 | 8 | 10 | 13 | | Junius D. Maupin. |
| Bateman Ranch | do. | 8,900 | | | | | | | | | | | | | | | | | | John W. Bateman. |
| Bluewater | Valencia | 6,732 | 8 | 66.6 | | 88 | 22 | 50 | 25† | 37 | 4.09 | | 0.63 | 0.0 | 14 | 4 | 21 | 6 | w. | Bluewater Developm't Co |
| Bluewater Reservoir | do. | 9,000 | | | | | | | | | 3.73 | | 0.71 | 0.0 | 12 | 3 | 27 | 1 | | Do. |
| Boas | Chaves | 4,154 | | 75.0 | | 98 | 17 | 57 | 25 | 37 | 1.60 | | 0.61 | 0.0 | 5 | 11 | 15 | 5 | s. | D. C. Savage. |
| Capitan | Lincoln | 6,348 | | | | | | | | | 2.34 | | 0.85 | 0.0 | 8 | 4 | 24 | 3 | | Agent E. P. & S. W. R. R. |
| Carlsbad | Eddy | 3,120 | 15 | 79.0 | − 0.8 | 102 | 18 | 58 | 25 | 38 | 1.67 | − 0.60 | 0.83 | 0.0 | 6 | 8 | 19 | 4 | se. | U. S. Reclamation Serv. |
| Carrizoso (1) | Lincoln | 5,429 | 2 | 72.4 | | 92 | 5† | 52 | 16† | 37 | 2.67 | | 0.75 | 0.0 | 10 | 2 | 24 | 5 | se. | A. H. Harvey. |
| Carrizoso (2) | do. | 5,438 | | | | | | | | | 2.62 | | 0.86 | 0.0 | 8 | 20 | 11 | 0 | sw. | Agent E. P. & S. W. R. R. |
| Chama | Rio Arriba | 7,851 | 8 | 64.1 | | 87 | 17 | 46 | 9† | 36 | 3.22 | + 0.50 | 0.46 | 0.0 | 14 | 2 | 24 | 5 | sw. | Frank C. Johnson. |
| Cloudcroft (1) | Otero | 8,650 | 7 | | | | | | | | | | | | | | | | | M. P. Coakly. |
| Cloudcroft (2) | do. | 8,650 | | | | | | | | | 3.34 | | 0.62 | 0.0 | 10 | 16 | 4 | 11 | s. | Agent E. P. & S. W. R. R. |
| Corona | Lincoln | 6,666 | | | | | | | | | 3.35 | | 0.78 | 0.0 | 9 | 1 | 22 | 8 | n. | Do. |
| Coyote | do. | 5,800 | | | | | | | | | 2.99 | | 0.81 | 0.0 | 10 | 11 | 8 | 12 | e. | Do. |
| Cundiyo | Santa Fe | 6,889 | | | | | | | | | 3.24 | | 0.72 | 0.0 | 18 | 4 | 17 | 10 | w. | Teofilo Vijil. |
| Demonstration Farm | San Miguel | 6,800 | 1 | | | | | | | | 3.70 | | 1.22 | 0.0 | 8 | | | | | Erb and Westerman. |
| Duran (1) | Torrance | 6,272 | 1 | 70.1 | | 90 | 5† | 51 | 25 | 34 | 2.81 | | 1.26 | 0.0 | 6 | 9 | 18 | 4 | w. | W. H. Birkhead. |
| Duran (2) | do. | 6,272 | | | | | | | | | 2.77 | | 1.20 | 0.0 | 7 | 8 | 21 | 2 | | Agent E. P. & S. W. R. R. |
| Edison Mine | Taos | 10,600 | | | | | | | | | | | | | | | | | | Frank L. Paxton. |
| Elk (near) | Chaves | | 10 | 67.6[e] | − 2.3 | 85[e] | 6† | 45[f] | 25 | 32[f] | 4.58 | + 1.31 | 1.54 | 0.0 | 8 | 10 | 19 | 2 | e. | Boyd Williams. |
| Escondido | Otero | 4,014 | | | | | | | | | 0.85 | | 0.40 | 0.0 | 3 | 21 | 1 | 9 | w. | Agent E. P. & S. W. R. R. |
| Española | Rio Arriba | 5,590 | 13 | | | | | | | | | | | | | | | | | Mrs. E. F. McBride. |
| Estancia | Torrance | 6,140 | 4 | 72.9 | | 98 | 1† | 50 | 4† | 46 | 1.30 | | 0.35 | 0.0 | 11 | 18 | 13 | 0 | e. | Agent N. M. Cent. R. R. |
| Fort Stanton | Lincoln | 6,231 | 30 | 67.8 | + 0.7 | 90 | 6 | 47 | 25 | 37 | 3.54 | + 0.07 | 2.09 | 0.0 | 11 | 13 | 11 | 7 | se. | U. S. Sanitarium. |
| Fort Sumner | Guadalupe | 3,960 | 7 | 77.2 | | 101 | 17 | 55 | 24 | 39 | 1.70 | | 0.59 | 0.0 | 9 | 28 | 2 | 1 | sw. | F. A. Manzanares. |
| Gallinas | Lincoln | 6,635 | | | | | | | | | 2.47 | | 0.75 | 0.0 | 7 | 21 | 8 | 2 | | Agent E. P. & S. W. R. R. |
| Gallinas Planting Stat'n. | San Miguel | 7,500 | 3 | 63.8 | | 89 | 1 | 48 | 11 | 39 | 6.98 | | 1.12 | 0.0 | 23 | 1 | 26 | 4 | nw. | U. S. Forest Service. |
| Harvey's Upper Ranch | do. | 9,400 | | | | | | | | | 10.11 | | 1.41 | 0.0 | 23 | 2 | 14 | 15 | se. | Simon B. Warner. |
| Hillsboro | Sierra | 5,224 | 10 | 75.0 | + 0.4 | 94 | 1 | 59 | 17† | 34 | 2.39 | + 0.10 | 0.72 | 0.0 | 10 | 19 | 12 | 0 | w. | J. M. Webster. |
| Hodges | Taos | 8,484 | | | | | | | | | 4.18 | | 0.65 | 0.0 | 13 | 11 | 6 | 14 | nw. | Ralph W. Johnson. |
| Hondo Reservoir | Chaves | 3,904 | 1 | 76.6 | | 98 | 16† | 58 | 24† | 36 | 2.36 | | 1.04 | 0.0 | 7 | 19 | 10 | 2 | se. | U. S. Reclamation Serv. |
| Hope | Eddy | | 3 | | | | | | | | | | | | | | | | | N. L. Johnson. |
| Hopewell | Rio Arriba | 9,500 | | 56.4[e] | | 76[e] | 16 | 41[e] | 9† | 32[e] | 6.62 | | 2.05 | 0.0 | 27 | 0 | 7 | 24 | sw. | John T. Blanton. |
| Laguna | Valencia | 5,840 | 5 | 71.6 | | 92 | 17 | 52 | 13 | 38 | 3.25 | | 1.25 | 0.0 | 5 | 5 | 24 | 2 | w. | Gus Weiss. |
| Lagunita | Guadalupe | 4,500 | 5 | 75.0[a] | | 96[a] | 6 | 52[a] | 9 | 34[a] | 2.25 | | 1.38 | 0.0 | 7 | 21 | 7 | 2 | s. | P. A. Turnbull. |
| La Huerta | Eddy | 3,111 | 1 | | | | | | | | 1.84 | | 1.22 | 0.0 | 5 | 16 | 12 | 3 | se. | D. Barclay Sutherland. |
| Lake Valley | Sierra | 5,415 | 5 | | | | | | | | 2.86 | | 0.52 | 0.0 | 13 | 3 | 26 | 1 | sw. | Wm. P. Keil. |
| Las Vegas | San Miguel | 6,384 | 23 | 68.6 | + 0.8 | 92 | 22† | 50 | 5† | 42 | 5.99 | + 2.63 | 1.57 | 0.0 | 14 | 10 | 19 | 2 | w. | Dr. Wm. C. Bailey. |
| Los Lunas (near) | Valencia | 4,900 | 18 | 75.0 | + 1.5 | 96 | 1 | 56 | 28† | 34 | 0.44 | − 0.71 | 0.22 | 0.0 | 4 | 7 | 24 | 0 | | Richard Pohl. |
| Los Tanos | Guadalupe | 4,919 | | | | | | | | | 1.59 | | 0.60 | 0.0 | 7 | 14 | 6 | 11 | s. | Agent E. P. & S. W. R. R. |
| Magdalena | Socorro | 6,557 | 4 | 68.0 | | 88 | 17 | 51 | 2 | 33 | 3.57 | | 0.75 | 0.0 | 9 | 7 | 22 | 2 | w. | Wm. Pender. |
| Mineral Hill | San Miguel | 7,050 | 5 | | | | | | | | 4.92 | | 0.30 | 0.0 | 10 | 0 | 25 | 6 | sw. | W. M. Nelson. |
| Monument | Eddy | 3,500 | 4 | | | | | | | | | | | | | | | | | James M. Cook. |
| Mountainair | Torrance | 6,547 | 7 | 69.2 | | 93 | 6 | 51 | 31 | 37 | 2.53 | | 0.38 | 0.0 | 14 | 12 | 18 | 1 | sw. | John W. Corbett. |
| Newman | Otero | 3,989 | | | | | | | | | 0.69 | | 0.26 | 0.0 | 7 | 18 | 0 | 13 | | Agent E. P. & S. W. R. R. |
| Noria | Dona Ana | 4,414 | | | | | | | | | 0.29 | | 0.08 | 0.0 | 6 | 3 | 28 | 0 | se. | Do. |
| Orogrande | Otero | 4,171 | | | | | | | | | 0.12 | | 0.06 | 0.0 | 3 | 4 | 22 | 5 | e. | Do. |
| Oscuro (near) | Lincoln | 5,016 | | | | | | | | | 1.35 | | 0.29 | 0.0 | 11 | | | | | Eugene F. Jones. |
| Oscuro (2) | do. | 5,016 | | | | | | | | | 1.34 | | 0.24 | 0.0 | 10 | 11 | 17 | 3 | sw. | Agent E. P. & S. W. R. R. |
| Otis | Eddy | 3,100 | | | | | | | | | 1.16 | | 0.50 | 0.0 | 6 | 25 | 3 | 3 | se. | A. M. Hove. |
| Otto | Santa Fe | 6,200 | | | | | | | | | 2.00 | | 0.65 | 0.0 | 15 | | | | | Otto Goetz. |
| Pastura | Guadalupe | 5,285 | | | | | | | | | 2.75 | | 1.20 | 0.0 | 7 | 15 | 7 | 9 | sw. | Agent E. P. & S. W. R. R. |
| Red River | Taos | 8,650 | | 59.8[d] | | 86[d] | 8 | 38[d] | 31 | 42[d] | 4.87 | | 0.75 | 0.0 | 13 | 8 | 19 | 4 | w. | Mrs. L. R. Penn. |
| Rincon | Dona Ana | 4,030 | 11 | 78.0 | + 0.4 | 97 | 7 | 57 | 31 | 35 | 1.75 | − 0.73 | 0.50 | 0.0 | 3 | 7 | 20 | 4 | se. | Chas. H. Raitt. |
| Rio Grande Dam | Sierra | 4,265 | 11 | 79.2 | + 3.4 | 98 | 6 | 59 | 31 | 35 | 1.50 | − 1.23 | 0.41 | 0.0 | 10 | 16 | 9 | 6 | sw. | U. S. Reclamation Serv. |
| Rosedale | Socorro | 6,910 | 5 | 67.2 | | 85 | 17 | 51 | 9 | 28 | 4.32 | | 0.90 | 0.0 | 22 | 8 | 8 | 15 | w. | W. H. Martin. |
| Roswell | Chaves | 3,578 | 12 | 76.2 | − 0.4 | 97 | 17 | 57 | 25 | 34 | 2.01 | + 0.55 | 1.30 | 0.0 | 5 | 15 | 12 | 4 | s. | U. S. Weather Bureau. |
| San Marcial | Socorro | 4,439 | 14 | 76.8 | − 0.2 | 97 | 17 | 58 | 25 | 34 | 1.83 | − 0.21 | 0.50 | 0.0 | 7 | 7 | 20 | 4 | se. | Agent A. T. & S. F. R. R. |
| San Rafael | Valencia | 6,509 | 6 | 69.8 | | 88 | 1† | 53 | 6† | 33 | 10.03 | + 7.25 | 1.52 | 0.0 | 15 | 7 | 11 | 13 | sw. | Dr. C. M. Grover. |
| Santa Fe | Santa Fe | 7,013 | 37 | 66.8 | − 0.2 | 85 | 17 | 53 | 1 | 26 | 2.02 | − 0.34 | 0.40 | 0.0 | 18 | 4 | 23 | 4 | ne. | Section Center. |
| Santa Rosa (1) | Guadalupe | 4,624 | 10 | 77.6 | | 99 | 5† | 58 | 30 | 37 | 2.48 | | 0.69 | 0.0 | 10 | 4 | 25 | 2 | w. | John L. Chapman. |
| Santa Rosa (2) | do. | 4,624 | | | | | | | | | 3.33 | | 1.15 | 0.0 | 6 | | | | | Agent E. P. & S. W. R. R. |
| Socorro | Socorro | 4,600 | 19 | 76.1[a] | + 4.2 | 101[a] | 7 | 55[a] | 8 | 40[a] | 1.31 | − 0.09 | 0.45 | 0.0 | 10 | 18 | 7 | 6 | se. | J. J. Leeson. |
| Stanley (near) | Santa Fe | 6,317 | | 67.7 | | 90 | 7 | 45 | 31 | 39 | 2.48 | | 0.75 | 0.0 | 9 | 14 | 3 | 4 | | L. J. Cartwright. |
| Strauss | Dona Ana | 4,080 | 11 | | | | | | | | 0.66 | − 1.15 | 0.20 | 0.0 | 4 | 10 | 17 | 4 | nw. | Agent Southern Pac. R.R. |
| Taos | Taos | 6,983 | 12 | | | | | | | | | | | | | | | | | Alexander Gusdorf. |
| Taos Canyon | do. | 8,959 | | | | | | | | | 5.31 | | 1.19 | 0.0 | 20 | | | | | Leocadio Martinez, jr. |
| Tecolote | Lincoln | 6,539 | | | | | | | | | 2.42 | | 0.83 | 0.0 | 10 | 16 | 5 | 10 | se. | Agent E. P. & S. W. R. R. |
| Three Rivers | Otero | 4,559 | | | | | | | | | 0.73 | | 0.28 | 0.0 | 4 | 18 | 12 | 1 | | Do. |
| Torrance | Torrance | 6,433 | | | | | | | | | 3.85 | | 0.95 | 0.0 | 10 | | | | | Do. |
| Tres Piedras | Taos | 8,076 | 5 | 64.1 | | 87 | 17 | 44 | 9 | 40 | 1.85 | | 0.40 | 0.0 | 9 | 12 | 19 | 0 | sw. | Edwin B. Seward. |
| Truchos | Rio Arriba | 7,935 | | 63.1 | | 80 | 12† | 44 | 31 | 28 | 1.99 | | 0.60 | 0.0 | 9 | 0 | 31 | 0 | | Ignacio Cordova. |
| Tularosa (1) | Otero | 4,436 | 2 | 76.6 | | 97 | 17 | 57 | 9† | 36 | 0.99 | | 0.35 | 0.0 | 9 | 1 | 30 | 0 | sw. | Irby L. Fairless. |
| Tularosa (2) | do. | 4,436 | | | | | | | | | 1.01 | | 0.30 | 0.0 | 5 | 19 | 5 | 7 | sw. | Agent E. P. & S. W. R. R. |
| Vaughn | Guadalupe | | | | | | | | | | 2.19 | | 0.70 | 0.0 | 6 | 9 | 17 | 5 | sw. | Do. |
| Winsors | San Miguel | 8,200 | 12 | 62.8 | + 4.6 | 86 | 25† | 40 | 10 | 41 | 5.80 | + 2.40 | 0.80 | 0.0 | 19 | 3 | 9 | 19 | w. | Henry D. Winsor. |
| *Texas.* | | | | | | | | | | | | | | | | | | | | |
| Abilene | Taylor | 1,738 | 24 | 83.0 | + 1.8 | 104 | 18 | 65 | 23 | 28 | 0.62 | − 1.35 | 0.35 | 0.0 | 7 | 6 | 17 | 8 | s. | U. S. Weather Bureau. |
| Albany | Shackleford | 1,429 | 15 | 83.0 | + 1.4 | 106 | 5 | 63 | 23† | 36 | 2.30 | + 0.01 | 1.44 | 0.0 | 6 | 20 | 9 | 2 | | N. L. Bartholomew. |

TABLE 1.—*Climatological data for August, 1909. District No. 8*—Continued.

| Stations. | Counties. | Elevation, feet. | Length of record, yrs. | Temperature, in degrees Fahrenheit. | | | | | | | Precipitation, in inches. | | | | 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 rainy days, .01 inch or more. | Number of clear days. | Number of partly cloudy days. | Number of cloudy days. | | |
| *Texas*—Cont'd. | | | | | | | | | | | | | | | | | | | | |
| Alvin | Brazoria | 49 | 10 | | | | | | | | 2.14 | − 2.06 | 0.86 | 0.0 | 5 | 16 | 8 | 7 | s. | F. A. Smith. |
| Anahuac§ | Chambers | | | | | | | | | | 1.79 | | 1.35 | 0.0 | 4 | | | | | B. H. Collins. |
| Austin | Travis | 650 | 23 | | | | | | | | 2.80 | + 0.44 | 1.64 | 0.0 | 9 | 13 | 16 | 2 | s. | A. Deussen. |
| Ballinger§§ | Runnels | 1,637 | 14 | 82.8 | + 0.6 | 108 | 18 | 62 | 23 | 43 | 2.33 | + 0.02 | 1.60 | 0.0 | 4 | 17 | 11 | 3 | s. | E. M. Eubank. |
| Barstow | Ward | 2,573 | 2 | 82.1 | | 102 | 19 | 60 | 24 | 35 | 0.10 | | 0.10 | 0.0 | 1 | 27 | 4 | 0 | se. | W. H. Denis. |
| Beaumont | Jefferson | 29 | 12 | 84.0 | + 0.6 | 102 | 18† | 70 | 1† | 26 | 8.09 | + 3.91 | 3.88 | 0.0 | 9 | 13 | 0 | 18 | se. | Jno. Bender. |
| Beeville§§ | Bee | 225 | 13 | 84.0 | − 1.2 | 106 | 19 | 68 | 18 | 37 | 4.35 | + 2.43 | 1.45 | 0.0 | 7 | 10 | 11 | 10 | se. | L. E. Dickey. |
| Big Springs | Howard | 2,396 | 7 | 84.2[b] | | 107[b] | 18 | 65[b] | 23 | 40[b] | 1.23 | − 0.47 | 0.56 | 0.0 | 5 | 6 | 23 | 2 | s. | B. Reagan. |
| Blanco§§ | Blanco | 1,350 | 13 | 82.9[b] | − 1.6 | 107* | 18 | 63 | 23 | 33* | 1.24 | − 0.48 | 0.49 | 0.0 | 4 | 24 | 0 | 7 | s. | R. C. Crist. |
| Boerne | Kendall | 1,412 | 17 | 80.3 | − 1.3 | 109 | 19 | 61 | 12† | 39 | 0.88 | − 1.18 | 0.48 | 0.0 | 4 | 16 | 11 | 4 | s. | F. W. Schweppe. |
| Booth§§ | Fort Bend | 81 | 8 | | | | | | | | 1.56 | − 1.86 | 0.37 | 0.0 | 6 | 25 | 1 | 5 | e. | T. R. Booth. |
| Boquillas | Brewster | | | | | | | | | | | | | | | | | | | M. A. Ernst. |
| Bowie | Montague | 1,113 | 9 | 85.2 | + 2.7 | 108 | 5 | 68 | 14† | 34 | 6.35 | + 4.75 | 4.96 | 0.0 | 8 | 10 | 20 | 1 | ne. | Craig Anderson. |
| Brazoria | Brazoria | 25 | 20 | 83.7 | + 2.9 | 100 | 18† | 69 | 24 | 26 | 2.96 | − 2.10 | 0.99 | 0.0 | 8 | 26 | 3 | 2 | s. | Mrs. M. A. Stephens. |
| Brazos | Palo Pinto | 801 | | | | | | | | | 2.60 | | 0.90 | 0.0 | 4 | 21 | 3 | 7 | se. | Robt. E. Boyett. |
| Brenham§§ | Washington | 350 | 20 | 85.8 | + 1.9 | 111 | 19 | 72 | 21 | 33 | 2.83 | + 0.38 | 2.26 | 0.0 | 4 | 16 | 9 | 6 | ne. | Mrs. B. F. Sloan. |
| Bridgeport§§ | Wise | 754 | | | | | | | | | 0.64 | | 0.24 | 0.0 | 4 | | | | | Thos. C. West. |
| Brighton* | Nueces | 12 | 13 | 82.8 | − 0.3 | 96 | 21 | 73 | 16† | 21 | 2.88 | + 1.23 | 1.06 | 0.0 | 9 | 16 | 13 | 1 | e. | G. H. Ritter. |
| Brownsville | Cameron | 38 | 20 | 83.1 | − 1.1 | 98 | 18 | 71 | 5 | 25 | 5.60 | + 2.82 | 2.78 | 0.0 | 9 | | | | e. | U. S. Weather Bureau. |
| Brownwood§§ | Brown | 1,342 | 19 | 84.2 | + 1.1 | 104 | 6 | 62 | 23 | 38 | 1.00 | − 1.34 | 0.65 | 0.0 | 5 | 12 | 16 | 3 | s. | Mrs. Pearl Smith. |
| Cameron§§ | Milam | | 1 | 87.8 | | 113 | 17 | 71 | 22 | 36 | 1.67 | | 1.35 | 0.0 | 5 | 18 | 12 | 1 | s. | J. E. Watts. |
| Carmona | Polk | | 1 | 84.8 | | 108 | 18† | 64 | 22† | 36 | 1.59 | | 0.69 | 0.0 | 4 | 19 | 12 | 0 | e. | G. S. Warner. |
| Claytonville | Fisher | 2,100 | 5 | 83.8 | | 104 | 18 | 58 | 23 | 37 | 0.79 | − 1.43 | 0.37 | 0.0 | 2 | 15 | 7 | 9 | se. | Wm. Lanius. |
| Coleman | Coleman | 1,710 | 15 | | | | | | | | | | | | | | | | | J. H. Tucker. |
| Colorado | Mitchell | 2,066 | 15 | 82.0 | − 1.3 | 106 | 17 | 62 | 18† | 43 | 1.69 | − 0.41 | 0.44 | 0.0 | 6 | 21 | 9 | 1 | s. | R. M. Webb. |
| Columbia | Brazoria | 34 | 20 | 83.2 | + 1.4 | 102 | 18 | 64 | 23 | 30 | 2.56 | − 1.20 | 0.81 | 0.0 | 6 | 20 | 8 | 3 | s. | R. B. Loggins. |
| Columbus§§ | Colorado | 206 | 5 | | | | | | | | 1.18 | − 0.50 | 0.66 | 0.0 | 3 | 17 | 4 | 10 | s. | Mrs. Sophie Bridge. |
| Comstock | Valverde | | | 83.9 | | 105 | 19 | 68 | 28 | 31 | 0.42 | | 0.33 | 0.0 | 2 | 22 | 9 | 0 | se. | A. D. Brown. |
| Corpus Christi | Nueces | 20 | 22 | 82.7 | + 0.6 | 95 | 21 | 73 | 9 | 18 | 3.71 | + 1.43 | 1.25 | 0.0 | 10 | 15 | 9 | 7 | se. | U. S. Weather Bureau. |
| Corsicana§§ | Navarro | 445 | 20 | 86.4 | + 3.5 | 112 | 18 | 68 | 26 | 35 | 0.87 | − 1.16 | 0.36 | 0.0 | 6 | 26 | 0 | 5 | ne. | E. L. Gibson. |
| Crockett | Houston | 350 | 5 | 87.4 | | 114 | 18 | 70 | 17 | 40 | 0.32 | | 0.15 | 0.0 | 3 | 12 | 15 | 4 | s. | A. M. Bencher. |
| Cuero§§ | DeWitt | 177 | 20 | 86.6 | + 1.8 | 109 | 20 | 70 | 7 | 37 | 1.44 | − 0.39 | 0.42 | 0.0 | 10 | 20 | 3 | 8 | s. | H. R. Forbese. |
| Dallas§§ | Dallas | 466 | 20 | 86.4 | + 3.2 | 115 | 18 | 65 | 23 | 38 | 1.58 | + 0.32 | 0.88 | 0.0 | 6 | 18 | 2 | 11 | s. | G. A. Eisenlohr. |
| Danevang | Wharton | 145 | 13 | | | | | | | | | | | | | | | | | H. P. Hermansen. |
| Decatur | Wise | 1,047 | 3 | 86.1 | | 108 | 5 | 67 | 23 | 35 | 3.65 | | 2.60 | 0.0 | 5 | 21 | 0 | 10 | | Agent Ft. W. & D. C. Ry. |
| Del Rio | Valverde | 952 | 3 | 85.4 | + 1.4 | 108 | 19 | 68 | 30 | 36 | 0.31 | − 2.38 | 0.26 | 0.0 | 2 | 21 | 9 | 1 | e. | U. S. Weather Bureau. |
| Dialville | Cherokee | 575 | 11 | 85.2 | + 2.8 | 111 | 18 | 69 | 23† | 34 | 3.92 | + 0.70 | 2.25 | 0.0 | 4 | 14 | 12 | 5 | s. | J. M. B. McKnight. |
| Dublin§§ | Erath | 1,466 | 14 | 83.6 | + 1.5 | 103 | 6† | 70 | 23† | 30 | 5.47 | + 3.74 | 3.82 | 0.0 | 5 | 13 | 14 | 4 | s. | Jno. O. Shafer. |
| Duval | Travis | 820 | 20 | 84.6 | − 0.6 | 108 | 18 | 71 | 1† | 33 | 1.17 | − 0.59 | 0.45 | 0.0 | 4 | 18 | 8 | 5 | s. | J. C. Edgar. |
| Eagle Pass | Maverick | 800 | 20 | 89.6 | + 3.7 | 112 | 20 | 71 | 27 | 33 | 1.82 | − 0.76 | 1.00 | 0.0 | 4 | 6 | 21 | 4 | se. | Jos. Metcalfe. |
| Edna | Jackson | | | | | | | | | | 1.20 | | 0.40 | 0.0 | 4 | | | | | E. L. Faires. |
| El Paso | El Paso | 3,762 | 30 | 79.8 | + 1.2 | 95 | 16 | 62 | 31 | 29 | 0.51 | − 1.21 | 0.15 | 0.0 | 7 | 12 | 16 | 3 | e. | U. S. Weather Bureau. |
| Encinal | La Salle | | 1 | 86.7 | | 110 | 19 | 70 | 24† | 34 | 3.27 | | 0.95 | 0.0 | 5 | 9 | 10 | 7 | se. | H C Braden. |
| Fairland* | Burnet | | | 86.7 | | 114 | 18 | 69 | 23† | 43 | 0.53 | | 0.23 | 0.0 | 7 | 17 | 14 | 0 | ne. | R. L. Bush. |
| Falfurrias | Starr | | 2 | 84.4 | | 107 | 18 | 66 | 18 | 41 | 11.19 | | 5.16 | 0.0 | 7 | 17 | 8 | 6 | se. | W. A. Gardner. |
| Flatonia | Fayette | 465 | 1 | 84.2 | | 107 | 18† | 69 | 20 | 38 | 2.26 | | 0.91 | 0.0 | 8 | 15 | 14 | 2 | s. | Julius Laux. |
| Fort Clark §§ | Kinney | 1,050 | 22 | 85.3 | + 0.3 | 106 | 17† | 69 | 29 | 29 | 0.49 | − 1.44 | 0.35 | 0.0 | 2 | 27 | 2 | 2 | e. | Post Surgeon. |
| Fort McIntosh | Webb | 460 | 23 | 89.8 | + 3.0 | 110 | 18† | 72 | 24 | 31 | 3.27 | + 0.54 | 1.57 | 0.0 | 6 | 14 | 0 | 17 | .. | Do. |
| Fort Stockton | Pecos | 3,050 | 4 | | | | | | | | 1.02 | | 0.42 | 0.0 | 4 | | | | | H. H. Butz. |
| Fort Worth | Tarrant | 670 | 14 | 85.6 | + 2.7 | 112 | 18 | 70 | 24 | 35 | 2.38 | + 0.51 | 1.00 | 0.0 | 8 | 13 | 15 | 3 | s. | U. S. Weather Bureau. |
| Fredericksburg | Gillespie | 1,742 | 20 | 81.8[a] | + 1.1 | 104[a] | 18 | 65[a] | 24 | 35[a] | 1.76 | − 0.68 | 0.70 | 0.0 | 7 | 10 | 19 | 2 | s. | Arthur Striegler. |
| Gainesville | Cooke | 738 | 20 | 86.4 | + 3.8 | 111 | 18 | 64 | 23 | 36 | 2.57 | + 0.31 | 0.85 | 0.0 | 11 | | | | | J. L. Hickson. |
| Galveston | Galveston | 69 | 39 | 83.4 | + 0.8 | 95 | 18 | 71 | 7 | 18 | 4.06 | − 0.95 | 1.83 | 0.0 | 9 | 15 | 13 | 3 | se. | U. S. Weather Bureau. |
| Gatesville | Coryell | 795 | 5 | 85.5 | | 110 | 17 | 69 | 19† | 38 | 2.40 | | 1.00 | 0.0 | 4 | 21 | 10 | 0 | | John Ryan. |
| Georgetown§§ | Williamson | 750 | 14 | 85.6 | + 2.0 | 112 | 18 | 68 | 23† | 40 | 1.00 | − 0.87 | 0.51 | 0.0 | 5 | 15 | 16 | 0 | sw. | Prof. R. E. Young. |
| Gonzales§§ | Gonzales | 299 | 4 | | | | | | | | 2.42 | | 1.03 | 0.0 | 7 | 24 | 4 | 3 | s. | J. M. Johnson. |
| Graham* | Young | 1,040 | 5 | 83.8 | | 108 | 4 | 54 | 24 | 42 | 5.40 | | 2.85 | 0.0 | 5 | 20 | 3 | 5 | s. | C. W. Johnson. |
| Grandfalls | Ward | | | | | | | | | | | | | | | | | | | W. C. Bridwell. |
| Grapevine | Tarrant | 670 | 19 | 86.6 | + 2.9 | 115 | 18 | 69 | 23 | 30 | 0.63 | − 0.96 | 0.20 | 0.0 | 5 | 9 | 10 | 6 | s. | W. J. Crowley. |
| Greenville§§ | Hunt | 550 | 9 | 87.4 | | 115 | 18 | 67 | 23 | 39 | 0.90 | | 0.45 | 0.0 | 4 | 17 | 0 | 14 | e. | J. P. Regan. |
| Hallettsville | Lavaca | 235 | 18 | 84.7 | + 1.0 | 104 | 20 | 69 | 17 | 31 | 0.49 | − 1.62 | 0.39 | 0.0 | 2 | 21 | 6 | 4 | s. | Dr. J. E. Lay. |
| Haskell | Haskell | 4,013 | 18 | 85.1 | + 1.2 | 109 | 6 | 65 | 23 | 38 | 2.17 | + 0.66 | 1.78 | 0.0 | 3 | 13 | 9 | 9 | s. | P. D. Saunders. |
| Hebbronville | Duval | | 2 | | | | | | | | 7.38 | | 4.20 | 0.0 | 4 | | | | | Henry Edds. |
| Hempstead§§ | Waller | 254 | 5 | | | | | | | | 1.88 | | 0.90 | 0.0 | 5 | 13 | 8 | 10 | s. | J. H. Hancock. |
| Henderson | Rusk | | | | | | | | | | 1.68 | | 0.82 | 0.0 | 3 | 19 | 10 | 2 | | M. Kangerga. |
| Hewitt | McLennan | 664 | 14 | | | | | | | | 2.88 | + 1.33 | 1.35 | 0.0 | 6 | | | | | I. H. Earle. |
| Hillsboro | Hill | 628 | 17 | 88.2 | | 109 | 17 | 70 | 8 | 32 | 1.89 | + 0.75 | 1.23 | 0.0 | 2 | | | | | Thompson & Campbell. |
| Hondo | Medina | 901 | 7 | 87.8 | | 108 | 19 | 70 | 22† | 36 | 1.52 | − 0.07 | 0.85 | 0.0 | 4 | 20 | 11 | 0 | | H. E. Haas. |
| Houston§§ | Harris | 53 | 20 | 86.0 | + 3.8 | 108 | 19 | 71 | 23† | 34 | 0.78 | − 3.27 | 0.35 | 0.0 | 4 | 25 | 1 | 5 | s. | O. O. Ballard. |
| Hubbard | Hill | 638 | | | | | | | | | | | | | | | | | | J. C. Mecklin. |
| Huntsville§§ | Walker | 400 | 21 | 84.7 | + 1.9 | 107 | 18 | 67 | 23 | 30 | 0.64 | − 2.22 | 0.25 | 0.0 | 3 | 22 | 0 | 9 | se. | W. Y. Barr. |
| Jewett§§ | Leon | 496 | 5 | 86.6 | | 113 | 18 | 69 | 23† | 42 | 1.91 | | 1.45 | 0.0 | 3 | 10 | 11 | 10 | s. | Earle Adkisson. |
| Junction | Kimble | 1,645 | 7 | | | | | | | | | | | | | | | | | J. T. Rowsey. |
| Kaufman | Kaufman | 448 | 10 | 87.6 | + 2.5 | 112 | 18 | 70 | 7† | 34 | 1.86 | + 0.67 | 1.16 | 0.0 | 3 | 20 | 9 | 2 | ne. | B. J. Hubbard. |
| Keene | Johnson | | | | | | | | | | | | | | | | | | | Industrial Academy. |
| Kerrville§§ | Kerr | 1,650 | 14 | 80.2 | − 1.0 | 105 | 19 | 59 | 24 | 42 | 0.95 | − 0.53 | 0.31 | 0.0 | 4 | 8 | 18 | 5 | | Mrs. F. Coleman. |
| Knickerbocker* | Tom Green | 2,050 | 5 | 82.2 | | 106 | 18† | 60 | 17 | 45 | 0.96 | | 0.37 | 0.0 | 6 | 9 | 15 | 2 | se. | Jos. Tweedy. |
| Kopperl | Bosque | 576 | 9 | | | | | | | | 4.58 | | 3.94 | 0.0 | 2 | 16 | 7 | 8 | | T. A. Johnson. |
| Lampasas§§ | Lampasas | 1,026 | 18 | 83.8 | + 1.2 | 112 | 18 | 66 | 24† | 42 | 1.05 | − 0.83 | 0.52 | 0.0 | 4 | 19 | 12 | 0 | s. | Mrs. K. I. Webber. |
| La Parra | Cameron | 38 | 7 | | | | | | | | 8.52 | | 5.85 | 0.0 | 5 | | | | | Jno. G. Kenedy. |
| Laureles Ranch | Nueces | 20 | 10 | | | | | | | | | | | | | | | | | Matt Cody. |
| Liberty§§ | Liberty | 38 | 5 | 83.4 | | 105 | 18 | 68 | 23 | 30 | 2.29 | | 0.89 | 0.0 | 6 | 18 | 6 | 7 | ne. | Mrs. Fannie Sneed. |
| Llano | Llano | 1,040 | 18 | 85.6 | + 1.5 | 108 | 18 | 68 | 24 | 37 | 0.09 | − 1.79 | 0.05 | 0.0 | 3 | 21 | 9 | 0 | se. | E. W. Torrence. |
| Llano Grande | Hidalgo | | 1 | | | | | | | | 4.80 | | 1.25 | 0.0 | 7 | 17 | 4 | 10 | se. | M. D. Wardlow. |
| Long Lake§§ | Anderson | | 4 | | | | | | | | 0.92 | | 0.48 | 0.0 | 4 | 14 | 8 | 9 | e. | Geo. Ellis |
| Longview§§ | Gregg | 336 | 20 | 85.8 | + 2.3 | 110 | 17† | 70 | 7† | 34 | 2.15 | + 0.12 | 0.92 | 0.0 | 7 | 22 | 0 | 9 | se. | C. A. Propst. |
| Lufkin | Angelina | 325 | 2 | 85.4 | | 110 | 19 | 69 | 31 | 35 | 1.32 | | 0.68 | 0.0 | 6 | 22 | 7 | 2 | s. | T. A. King. |
| Luling§§ | Caldwell | 418 | 20 | 84.2 | + 0.4 | 105 | 18 | 70 | 17† | 32 | 0.95 | − 0.98 | 0.40 | 0.0 | 4 | 18 | 8 | 5 | s. | John Carter. |
| Marble Falls§§ | Burnet | 771 | 1 | | | | | | | | 1.62 | | 0.56 | 0.0 | 5 | 23 | 5 | 3 | | Wm. Harrison. |
| Marfa | Presidio | | 1 | | | | | | | | 0.50 | | 0.20 | 0.0 | 3 | | | | | R. K. Colquitt. |
| Marshall | Harrison | 375 | | 84.0 | | 112 | 18 | 67 | 24 | 33 | 1.76 | | 0.85 | 0.0 | 6 | 3 | 25 | 3 | e. | Lee Scott. |
| Mexia§§ | Limestone | 537 | 5 | 85.8 | | 112 | 18 | 69 | 3 | 40 | 1.34 | | 1.17 | 0.0 | 4 | 10 | 12 | 9 | e. | Miss Josephine Newman. |
| Midland | Midland | | | | | | | | | | | | | | | | | | | H. J. Elder. |
| Mt. Blanco | Crosby | 2,750 | 21 | 79.5 | + 1.8 | 101 | 17 | 59 | 24 | 34 | 2.25 | − 0.34 | 1.07 | 0.0 | 7 | 14 | 5 | 12 | se. | H. C. Smith. |
| Nacogdoches§§ | Nacogdoches | 271 | 10 | 83.8 | + 1.2 | 109 | 18 | 68 | 21† | 36 | 1.15 | − 1.23 | 0.62 | 0.0 | 4 | 20 | 4 | 7 | ne. | Miss Mary Hofmann. |
| New Braunfels | Comal | 720 | 20 | 83.4 | + 1.3 | 105 | 19 | 69 | 8† | 33 | 1.27 | − 1.10 | 0.44 | 0.0 | 5 | 15 | 14 | 2 | e. | J. Giesecke. |
| Palestine | Anderson | 510 | 27 | 84.5 | + 4.0 | 108 | 18 | 70 | 24 | 30 | 2.11 | − 0.11 | 0.78 | 0.0 | 7 | 6 | 16 | 9 | e. | U. S. Weather Bureau. |

TABLE 1.—*Climatological data for August, 1909. 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. | | | | | | | | | | | | | | | | | | | | |
| Panter | Hood | 1,000 | 19 | | | | | | | | 2.08 | − 1.33 | 1.62 | 0.0 | 4 | | | | | E. H. Snider. |
| Pierce | Wharton | | 3 | 80.2 | | 96 | 18 | 66 | 23† | 25 | 1.62 | | 0.54 | 0.0 | 6 | 12 | 16 | 3 | | R. B. Pointer. |
| Plainview | Hale | 3,370 | 1 | 77.8 | | 100 | 17 | 58 | 24 | 36 | 1.15 | | 0.85 | 0.0 | 3 | 14 | 16 | 1 | s. | J. F. Sander. |
| Port Lavaca | Calhoun | 20 | 8 | 84.2 | | 100 | 18 | 71 | 23 | 27 | 1.49 | | 0.77 | 0.0 | 3 | 16 | 11 | 4 | s. | J. H. Bickford. |
| Ricardo | Nueces | | | 85.2 | | 107 | 19 | 68 | 18 | 38 | 7.46 | | 5.71 | 0.0 | 8 | 17 | 12 | 2 | se. | Lindsay Waters. |
| Riverside§§ | Walker | 169 | 5 | | | | | | | | 4.25 | | 2.00 | 0.0 | 3 | 20 | 1 | 10 | s. | Mrs. C. W. Higdon. |
| Robert Lee§§ | Coke | 1,850 | 1 | 83.0 | | 104 | 18 | 63 | 23 | 30 | 0.88 | | 0.50 | 0.0 | 4 | 20 | 8 | 3 | se. | H. D. Pearce. |
| Rockland§§ | Tyler | 136 | 5 | | | | | | | | 1.35 | | 0.64 | 0.0 | 5 | 22 | 3 | 6 | s. | D. W. Bellamy. |
| Rossville | Atascosa | 558 | 2 | 85.8 | | 108 | 19† | 69 | 23† | 35 | 2.12 | | 0.79 | 0.0 | 6 | 8 | 22 | 1 | se. | W. F. M. Ross. |
| Runge | Karnes | 308 | 14 | | | | | | | | 1.73 | + 0.42 | 0.86 | 0.0 | 3 | | | | | Reiffert & Frobese. |
| Sabinal | Uvalde | 964 | 5 | 85.8 | | 110 | 4† | 69 | 3† | 37 | 4.26 | | 2.75 | 0.0 | 6 | 5 | 12 | 14 | e. | Jas. Johnston. |
| San Angelo | Tom Green | | 1 | | | | | | | | | | | | | | | | | C. W. Goff. |
| San Antonio | Bexar | 701 | 24 | 84.4 | + 2.4 | 107 | 20 | 70 | 25 | 31 | 1.70 | − 1.00 | 0.65 | 0.0 | 7 | 14 | 13 | 4 | se. | U. S. Weather Bureau. |
| San Augustine | San Augustine | | | 85.2 | | 112 | 18 | 67 | 21 | 38 | 1.69 | | 0.65 | 0.0 | 6 | 15 | 12 | 4 | | F. A. Wilson. |
| San Juanita§ | Hidalgo | | | 89.0 | | 106 | 18† | 71 | 28 | 32 | 6.08 | | 3.39 | 0.0 | 7 | 4 | 17 | 10 | se. | J. B. McAllen. |
| San Marcos§§ | Hayes | 588 | 16 | 83.6 | + 0.2 | 105 | 18† | 67 | 17 | 37 | 2.11 | + 0.40 | 0.74 | 0.0 | 6 | 22 | 0 | 9 | s. | Miss L. C. Ford. |
| San Saba | San Saba | 1,712 | 5 | 83.6 | | 109 | 18 | 63 | 24 | 43 | 0.41 | | 0.18 | 0.0 | 4 | 19 | 12 | 0 | s. | Jas. Burns. |
| Santa Gertrudes | Nueces | | 7 | | | | | | | | 5.81 | | 1.90 | 0.0 | 6 | | | | | J. B. Wright, jr. |
| Seymour | Baylor | 1,180 | 3 | 84.4 | | 106 | 7 | 65 | 23 | 34 | 2.86 | | 1.15 | 0.0 | 4 | 21 | 7 | 3 | se. | F. M. Deaver. |
| Somerville | Burleson | 251 | | | | | | 67 | 31 | | 0.76 | | 0.70 | 0.0 | 3 | 11 | 0 | 20 | s. | W. A. Dolan. |
| Sonora | Sutton | 2,200 | 6 | 80.7 | | 106 | 19 | 60 | 23† | 44 | 1.74 | | 0.64 | 0.0 | 6 | 1 | 30 | 0 | e. | Mike Murphy. |
| Sugarland | Fort Bend | 79 | 11 | 84.9 | + 1.7 | 108 | 18 | 69 | 4† | 33 | 3.37 | + 0.27 | 2.50 | 0.0 | 6 | 21 | 9 | 1 | s. | O. M. Bakke. |
| Taylor | Williamson | 583 | 8 | 84.4 | + 2.7 | 109 | 18 | 68 | 20 | 35 | 2.73 | + 0.26 | 1.95 | 0.0 | 6 | 21 | 8 | 2 | s. | U. S. Weather Bureau. |
| Temple | Bell | 630 | 15 | 85.9 | + 3.3 | 110 | 18 | 68 | 21 | 35 | 4.94 | + 3.04 | 2.14 | 0.0 | 5 | 20 | 6 | 5 | s. | W. B. Tyer. |
| Tilden[d] | McMullen | | 3 | 87.5 | | 113 | 19 | 69 | 23 | 42 | 3.20 | | 1.11 | 0.0 | 5 | 5 | 18 | 4 | se. | Wm. Kuykendall. |
| Uvalde | Uvalde | 937 | 1 | 85.8 | | 110 | 18† | 69 | 23† | 40 | 3.13 | | 1.38 | 0.0 | 6 | 18 | 0 | 13 | se. | F. M. Getzendaner. |
| Valley Junction§§ | Robertson | 289 | 4 | | | | | | | | 1.00 | | 1.00 | 0.0 | 1 | 23 | 0 | 8 | | T. M. Williams. |
| Victoria§§ | Victoria | 187 | 11 | 84.4 | + 1.9 | 101 | 18† | 71 | 21† | 27 | 2.51 | | 1.12 | 0.0 | 5 | | | | | C. C. Zirjacks. |
| Waco§§ | McLennan | 424 | 20 | 87.6 | + 2.8 | 109 | 18 | 73 | 17† | 34 | 3.16 | + 1.19 | 1.71 | 0.0 | 7 | 21 | 2 | 8 | s. | E. H. Hall. |
| Waxahachie§§ | Ellis | 556 | 13 | 85.2 | + 0.6 | 115 | 18 | 64 | 22 | 41 | 1.36 | − 0.39 | 0.59 | 0.0 | 7 | 21 | 3 | 7 | e. | C. D. Longserre. |
| Weatherford§§ | Parker | 864 | 20 | 85.2 | + 2.7 | 107 | 18 | 68 | 23 | 34 | 2.93 | + 1.26 | 1.26 | 0.0 | 8 | 22 | 2 | 7 | n. | Miss J. Stickfort. |
| Wharton§§ | Wharton | 105 | 7 | 83.2 | | 97 | 6† | 69 | 31 | 26 | 0.20 | | 0.20 | 0.0 | 1 | 23 | 3 | 5 | s. | Mrs. F. M. Hughs. |
| Wills Point[k] | Van Zandt | 524 | 4 | 87.0 | | 115 | 18 | 70 | 10† | 43 | 1.89 | | 0.92 | 0.0 | 4 | | | | s. | W. W. Gibbard. |
| Zapata | Zapata | | | 89.2 | | 114 | 21 | 69 | 24 | 40 | 7.50 | | 3.10 | 0.0 | 7 | 12 | 11 | 8 | se. | F. H. Earnest. |

* 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.
§ 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.
[a], [b], [c], etc., indicate, respectively, 1, 2, 3, etc., days missing from the record.

TABLE 2.—*Daily precipitation for August, 1909. 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* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Amethyst (near) | Rio Grande | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Blanca | Trinchera | .06 | .08 | .09 | T. | T. | | | .18 | T. | .49 | | 1.37 | T. | .30 | .07 | | | .70 | .21 | .02 | | .01 | .08 | .10 | .01 | | | .20 | .09 | .01 | | 4.07 |
| Cumbres | Conejos | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Garnett | Rio Grande | | | | | | | | | | | | .15 | | | .10 | | | | | | | | T. | .32 | | | | .80 | | .10 | | 1.47 |
| Hermit | do | .02 | .12 | .50 | .05 | .26 | .06 | .20 | .03 | .45 | .05 | .11 | | | T. | .04 | .14 | | | | | | .30 | .06 | | | | .29 | .08 | .16 | .10 | .09 | 3.11 |
| La Veta Pass | Trinchera | | T. | .16 | | | T. | | .13 | | | | T. | .13 | | | | | .18 | | .10 | .90 | | | .35 | | .20 | .22 | .18 | .80 | | | 3.35 |
| Manassa | Conejos | T. | | .20 | | | | | T. | T. | T. | | | | | .35 | | .15 | T. | | | | | | T. | T. | .25 | | T. | .20 | T. | | 1.15 |
| Platoro | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Saguache | San Luis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| San Luis | Culebra | .05 | T. | | | | .12 | .14 | .35 | .25 | | | | | | | .55 | | | .49 | | .65 | | | .11 | | | .02 | | | | .18 | 2.91 |
| Wagon Wheel Gap | Rio Grande | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *New Mexico* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Agricultural College | Rio Grande | | | | | | | | | T. | T. | | .10 | | .78 | | .06 | | | | | | | | | | | | | .17 | | | 1.11 |
| Alamogordo (near) | do | .10 | | .08 | | | | | * | .60 | | | | | | | | * | .85 | .02 | | | | | | .23 | T. | | | | | | 1.88 |
| Alamogordo (2) | do | .02 | | | | | | .11 | .20 | | | .10 | | | | | | | | | | 1.01 | | | | | | | | .31 | | | 1.75 |
| Albuquerque | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Amizett | do | .04 | .03 | .05 | .35 | .01 | | | .12 | .04 | .29 | T. | .03 | T. | .04 | .63 | .03 | .41 | .04 | .45 | .34 | .25 | .32 | .68 | .43 | .97 | .07 | .04 | | .01 | .37 | .01 | 6.05 |
| Ancho | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aspen Grove Ranch | do | | | | | .25 | | | | | | | | | | | .10 | | | | | .30 | .30 | | .40 | .12 | .28 | | | .30 | | .25 | 2.30 |
| Bateman's Ranch | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bluewater | do | .30 | | .18 | | .13 | | | | .27 | .04 | .05 | .48 | | | | | .28 | | .38 | | .28 | | | | .37 | .58 | | | .12 | .63 | | 4.09 |
| Bluewater Reservoir | do | .71 | | T. | | | | .20 | | | | T. | T. | * | .50 | | .32 | | .18 | .22 | | .62 | .29 | T. | | T. | T. | .03 | T. | | * | .66 | 3.73 |
| Boas | Pecos | | | | | | | | .23 | .44 | | | | | | | | | | | .20 | .61 | | | | | | | | .12 | | | 1.60 |
| Capitan | do | | | | | | | | | | .85 | | | .07 | .05 | .11 | | | | | .43 | | | | | | | | .04 | .76 | .03 | | 2.34 |
| Carlsbad | do | | | | | | | | | | | | | | | | | | | | .03 | .52 | .15 | | | | | | .83 | .05 | .09 | | 1.67 |
| Carrizozo (1) | Rio Grande | | | | | | | | .11 | .02 | | .50 | | .05 | .08 | .17 | | | | | | | .75 | .40 | | | | | .55 | .04 | | | 2.67 |
| Carrizozo (2) | do | | | | | | | .02 | | | | .53 | | | .09 | .17 | | | | | | | .86 | .35 | | | | | .55 | .05 | | | 2.62 |
| Chama | do | .24 | | .46 | .08 | | T. | | .20 | T. | | .15 | | .13 | .03 | .18 | | | T. | .34 | | .22 | | | T. | .12 | | .42 | | .40 | .25 | | 3.22 |
| Cloudcroft (1) | Pecos | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudcroft (2) | do | | | | | .62 | .12 | | | .15 | .05 | T. | .55 | .15 | .57 | .25 | | | .10 | T. | | .15 | .53 | | | | | | | | | | 3.34 |
| Corona | do | | | | | | | | .78 | .40 | .20 | T. | .48 | T. | .45 | | | | | | .31 | | | T. | | | | .15 | T. | .50 | .08 | | 3.35 |
| Coyote | Rio Grande | .58 | .28 | .08 | | | | | | .06 | .21 | .05 | | .37 | | | | | | | .81 | | | | | | .16 | | | .39 | | | 2.99 |
| Cundiyo | do | .18 | | .50 | .20 | | * | .40 | .17 | .12 | | | | | | .02 | | .17 | .72 | .14 | .19 | | .10 | .15 | .09 | .02 | | | | .05 | .02 | | 3.24 |
| Demonstration Farm | Pecos | .08 | | | | | | | | .17 | | .47 | | | | | | | | .53 | 1.22 | .15 | | | | .85 | | .23 | | | | | 3.70 |
| Duran (1) | do | .23 | | | | | T. | | T. | T. | | | T. | T. | .40 | 1.26 | | | T. | T. | .20 | .12 | | | | | | T. | T. | .60 | T. | | 2.81 |
| Duran (2) | do | | .10 | | | | T. | | T. | T. | .10 | | T. | T. | .47 | 1.20 | | | T. | T. | .25 | .10 | | | | | | T. | T. | .55 | T. | | 2.77 |
| Edison Mine | Rio Grande | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Elk (near) | Pecos | | | | | .23 | | | T. | T. | | | | .33 | 1.01 | | | | T. | .03 | T. | 1.03 | .08 | | | | | | | 1.54 | .33 | | 4.58 |
| Escondido | Rio Grande | | | | | | | | | .15 | | | | | .40 | | | | | | | .30 | | | | | | | | | | | 0.85 |
| Espanola | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Estancia | do | .29 | | .05 | | | | | .35 | .06 | .03 | T. | | | .19 | | | | .02 | | | | .07 | | | | .13 | | .07 | | | .04 | 1.30 |
| Fort Stanton | Pecos | | | | | | | | .03 | | 2.09 | T. | | .02 | .05 | T. | | | .02 | .02 | .46 | .02 | | | | | | | .08 | .71 | .04 | | 3.54 |
| Fort Sumner | do | | | | | | | .16 | .03 | .23 | T. | | | .07 | .23 | T. | | | | .08 | .23 | | .08 | | | | | | | .59 | | | 1.70 |
| Gallinas | do | | | | .06 | | | | | | | .75 | | .15 | .45 | .05 | | | | | .43 | | | | | | | | | .58 | | | 2.47 |
| Gallinas Planting Stat. | do | .03 | .40 | .25 | .15 | .19 | | | .01 | .01 | .27 | .90 | .72 | .17 | .22 | | | T. | .25 | .56 | .12 | .13 | .52 | .25 | .58 | .01 | .10 | | .02 | T. | | | 6.98 |
| Harvey's Upper Ranch | do | .40 | .73 | .34 | | T. | .08 | .50 | .41 | .23 | 1.41 | 1.04 | 1.37 | .12 | .35 | .80 | | | .12 | .18 | .49 | | .04 | T. | .64 | .39 | T. | .08 | .06 | .11 | .23 | | 10.11 |
| Hillsboro | Rio Grande | | | .03 | .32 | | | | | | | .11 | T. | .12 | | .17 | | .31 | | | .10 | | | T. | .14 | | | | | .72 | .37 | | 2.39 |
| Hodges | do | T. | | .27 | .35 | | | | .31 | .19 | | T. | | .16 | | | T. | .27 | .29 | .11 | .45 | | .32 | .29 | .52 | T. | | | T. | T. | .65 | T. | 4.18 |
| Hondo Reservoir | Pecos | | | | | | | | | | | | | T. | .03 | | | | | | .24 | .51 | .04 | | | | | | .48 | 1.04 | .02 | | 2.36 |
| Hope | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hopewell | Rio Grande | .21 | .13 | .30 | .32 | .03 | .02 | .05 | .13 | .27 | .39 | | | .33 | | .01 | .10 | .03 | 2.05 | .04 | .19 | .43 | .01 | .05 | .19 | .32 | .07 | .03 | .18 | .45 | .29 | | 6.62 |
| Laguna | do | T. | | | .65 | | | | | | T. | | | | | | | | 1.25 | .30 | | T. | T. | | | T. | | T. | T. | .80 | .25 | | 3.25 |
| Lagunita | Pecos | | | | | | | .03 | .38 | | | | | 1.38 | | | | | | | | .04 | .02 | | | | | | .04 | .36 | | | 2.25 |
| La Huerta | do | | | | | | | | .05 | | | | | .07 | | | | | | .05 | .45 | | | | | | | | | 1.22 | | | 1.84 |
| Lake Valley | Rio Grande | .04 | .52 | .05 | | | | .03 | T. | | | .32 | .20 | .18 | .07 | | | .27 | | | | T. | .37 | .32 | | | | | .08 | .41 | | | 2.86 |
| Las Vegas | Pecos | .14 | .01 | .59 | .02 | | T. | | T. | .29 | .98 | T. | | | .13 | .24 | | | | .16 | 1.57 | .07 | 1.47 | | | | T. | | .19 | T. | .13 | | 5.99 |
| Los Lunas | Rio Grande | | T. | .22 | | | | | T. | .15 | | | T. | | | | | .04 | .03 | T. | | T. | T. | | | | | T. | | | | | 0.44 |
| Los Tanos | Pecos | | .16 | | .10 | | | | | .20 | | | | | | .17 | | | | | .21 | | | | | | | | | .15 | .60 | | 1.59 |
| Magdalena | Rio Grande | .28 | .46 | | | | .13 | T. | T. | | | | .75 | | | .70 | | | | | .50 | .20 | | T. | | T. | | | .10 | .45 | T. | T. | 3.57 |
| Mineral Hill | Pecos | .80 | .58 | .35 | .60 | | | | | T. | .80 | T. | T. | | | | | | | .25 | .70 | | | .33 | | .17 | | .34 | | | | | 4.92 |
| Monument | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mountainair | Rio Grande | .20 | .07 | | | | | .33 | T. | .15 | T. | T. | | .23 | .06 | .03 | | .07 | .17 | | .34 | | .13 | | | .30 | | | | .38 | .07 | | 2.53 |
| Newman | do | | | | | | T. | | T. | .02 | | T. | .19 | | .06 | .11 | T. | | | | T. | .04 | .01 | | | | | | .26 | | | | 0.69 |
| Noria | do | | | | | T. | | | | | | | .03 | .07 | .08 | | .03 | .03 | | | | | | | | | | | .05 | | | | 0.29 |
| Orogrande | do | | | | | | T. | | | | | | T. | T. | T. | T. | | | | .04 | .06 | | | | | | | | | .02 | | | 0.12 |
| Oscura (near) | do | | | .21 | | | | .14 | .29 | | | | | .05 | .08 | | | | | .13 | .13 | | .05 | .05 | | | | .02 | | .20 | | | 1.35 |
| Oscura (2) | do | | | .15 | | | | .08 | .27 | T. | | | | .24 | .08 | | | | | .05 | .22 | | .06 | .03 | | | | | T. | .16 | | | 1.34 |
| Otis | Pecos | | | | | | | | .09 | | | | | .06 | | | | | | T. | .04 | .38 | .09 | | | | | | T. | .50 | | | 1.16 |
| Otto | Rio Grande | T. | .15 | .05 | .03 | | T. | T. | T. | .05 | T. | .09 | .05 | .14 | .11 | .65 | T. | | .06 | .04 | .32 | | | | T. | | | | * | .17 | .09 | | 2.00 |
| Pastura | Pecos | | | | | | .25 | | | .37 | .83 | | | .06 | | | | | | .12 | | | | | | | | | .12 | .40 | | | 2.75 |
| Red River | Rio Grande | | | | | .25 | | .25 | | | .12 | | .50 | | .25 | .25 | | .50 | | .25 | .50 | .50 | .50 | T. | .25 | .75 | | | | | | | |
| Rincon | do | | | | | | | | | | | T. | .42 | | .50 | | .48 | | | | | | | | | | | | T. | .35 | | | 1.75 |
| Rio Grande Dam | do | .09 | | | | | .21 | | T. | .06 | T. | T. | | .02 | .41 | T. | .01 | T. | | | T. | .05 | | .27 | | | | T. | .19 | .19 | | | 1.50 |
| Rosedale | do | .43 | .02 | | | | .25 | .07 | .33 | .01 | | .84 | .02 | | .08 | .09 | .02 | .05 | .02 | .03 | .23 | .04 | .02 | .04 | | | .01 | T. | .22 | .90 | .51 | | 4.23 |
| Roswell | Pecos | | | | | | | | T. | | | | | T. | | | | | | .09 | 1.29 | .02 | | | | | | | .18 | .43 | | | 2.01 |
| San Marcial | Rio Grande | | | | | | | | .30 | | | | | * | .28 | | | | | | | | | .45 | | | | * | .50 | .30 | | | 1.83 |
| San Rafael | do | .51 | | .29 | .82 | .17 | | | | | | 1.52 | 1.18 | | .50 | | .74 | .19 | .60 | .76 | | .90 | | | | | .44 | | .45 | .96 | | | 10.03 |
| Santa Fe | do | .01 | T. | .20 | .20 | | T. | T. | .12 | .05 | .36 | T. | .12 | .03 | .03 | .13 | | | .06 | .06 | .14 | | | .19 | .11 | .07 | | | | .05 | .09 | | 2.02 |
| Santa Rosa (1) | Pecos | T. | .30 | T. | .03 | | T. | | .04 | .69 | .43 | | | .62 | | | | | | .04 | .07 | | | | | | | | | .18 | .08 | | 2.48 |
| Santa Rosa (2) | do | | | .20 | | | | | | | 1.15 | | | | .58 | | | 1.15 | | | .10 | | | | | | | | .15 | | | | 3.33 |
| Socorro | Rio Grande | | .05 | | | | | | .03 | | | | | | | | | | | .10 | .06 | .02 | .05 | | | | | .45 | .40 | .05 | .10 | | 1.31 |
| Stanley | do | | | .45 | | | | | | .17 | .16 | | | .20 | | .75 | | | .15 | | .37 | T. | | | | | | | | .18 | .05 | | 2.48 |
| Strauss | do | | | T. | | | T. | | T. | | | | .15 | .20 | T. | | T. | | | | .19 | | T. | | | | T. | | .12 | T. | | | 0.66 |
| Taos | do | | | | | | | | | | | | | | | | | | | | .58 | | | | .64 | .09 | .01 | | | .05 | .44 | | |
| Taos Canyon | do | .27 | | .48 | 1.19 | .33 | | T. | T. | .04 | | | .04 | .03 | .05 | .17 | | .03 | .27 | .80 | .64 | .05 | .03 | | .22 | .35 | .06 | | | .06 | .20 | | 5.31 |
| Tecolote | do | | | | | | | | .83 | .04 | .4 | | | | .15 | .12 | | | | T. | .35 | .01 | | T. | | | | .04 | .41 | .01 | | | 2.42 |
| Three Rivers | do | | .15 | | | | | | | | | | | | | | | | | | .2 | | | | | | | | .28 | .04 | | | 0.73 |
| Torrance | Pecos | | | | | | | | .14 | .20 | | .50 | .17 | .29 | .78 | | | | | .02 | .95 | | | | | | | | .70 | | .1 | | 3.85 |
| Tres Piedras | Rio Grande | | .30 | | | T. | T. | | T. | T. | T. | | .20 | | | .10 | .20 | | | | .15 | .20 | | | | .40 | T. | .10 | | | .20 | | 1.85 |
| Truchas | do | T. | | | | | | .10 | .15 | .20 | | | | | .10 | T. | | T. | .60 | .10 | | .20 | T. | T. | | .10 | | | | .44 | | | 1.99 |
| Tularosa (1) | do | .01 | | | | | .02 | T. | .20 | | .05 | T. | | | .03 | | | | | | .02 | .35 | | | | | | | .01 | .30 | | | 0.99 |
| Tularosa (2) | do | | | | | | | | | .23 | .20 | | | | .03 | | | | | | .30 | | | | | | | | | .25 | | | 1.01 |
| Vaughn | Pecos | | .06 | | | | | | | .70 | .60 | | | | | | | | | | | | | | | | | | .38 | .30 | .75 | | 2.19 |
| Winsors | do | .09 | | .61 | .07 | | | | .80 | .21 | .33 | | | .20 | .40 | .30 | | | .51 | .30 | .60 | .10 | | .03 | .20 | .30 | .25 | .20 | | .30 | | | 5.80 |
| *Texas.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Abilene | Brazos | .08 | | | .01 | | | | .10 | .26 | | | | .14 | .02 | | | | | | | | | | | | | | | | .01 | | 0.62 |
| Albany | do | | | | | | .12 | .14 | .42 | .05 | | | | 1.44 | | | | | | | | | | | T. | .13 | | | | | | T. | 2.30 |
| Alvin‖¶ | Coast | | | | | | | | .59 | | | | | | | | | | | | .86 | | | | | .22 | .18 | .29 | | | | | 2.14 |
| Anahuac | do | .13 | | | | | | 1.35 | .10 | | | | | | | | | | | | | | | | | .21 | T. | | | | | | 1.79 |
| Austin | Colorado | | | | | | | | .44 | | .06 | .12 | | .08 | | | | | | | .26 | .06 | | | | | 1.64 | | .08 | | T. | .06 | 2.80 |
| Ballinger‖‖ | do | | | | | | | | | .1.60 | | | | .30 | .28 | | | | | | | T. | | | | | | | | | | .15 | 2.33 |
| Barstow | Pecos | | | | | | | | | | | | | | T. | | | | | | | | | | | | | | | .10 | | | 0.10 |
| Beaumont‖‖ | Neches | 1.04 | .08 | | | T. | T. | T. | .27 | 1.76 | | .17 | 3.88 | | | | | | | | | | | .64 | | | .11 | .14 | | | | | 8.09 |
| Beeville‖‖ | Coast | | | | T. | | | | | T. | .30 | T. | .05 | .85 | | | | | | | | | T. | T. | | .10 | 1.00 | T. | 1.45 | .60 | | T. | 4.35 |

TABLE 2.—*Daily precipitation for August, 1909. 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. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Big Springs | Colorado | | T. | T. | T. | | | | .04 | T. | T. | .20 | | | | | | | | .25 | .56 | T. | .18 | | | | | | | T. | | | 1.23 |
| Blanco‖ | Guadalupe | | | | | | | | .49 | | .16 | | | | | | | | | | | | | | | | | | .35 | | | .24 | 1.24 |
| Boerne | San Antonio | | | | | | | .12 | | | .48 | | | | | | | | | | | | | | | | | .20 | .08 | | | | 0.88 |
| Booth‖ | Brazos | | | | | | | | .27 | .37 | | | .18 | .32 | | | | | | | | .18 | | | | | | | .24 | | | | 1.56 |
| Boquillas | Rio Grande | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bowie | Trinity | | | | | | .20 | | .15 | .04 | | .21 | 4.82 | .14 | | | | | | | .77 | | | | .02 | | | | | T. | | T. | 6.35 |
| Brazoria | Brazos | .03 | | | .64 | .02 | | T. | .50 | T. | T. | T. | .75 | .01 | T. | | | | | | | .02 | | | T. | T. | T. | .99 | | | | | 2.96 |
| Brazos‖ | ...do | | | | | | | | .35 | .75 | | | | | .90 | | | | | | | | | | | | .60 | | | | | | 2.60 |
| Brenham‖ | ...do | | | | | | | | | .08 | .43 | | | | | | | | | | | 2.26 | | | | | | T. | | T. | .06 | T. | 2.83 |
| Bridgeport‖ | Trinity | | | | | | | | | .09 | | | T. | .24 | | | | | | | | .21 | | | T. | .10 | | | | | | | 0.64 |
| Brighton | Coast | | | | | | | | .40 | .35 | .02 | .02 | .01 | | | | | | | | | | | | | .05 | .20 | 1.06 | .77 | | | | 2.88 |
| Brownsville | Rio Grande | | | | T. | | | | .33 | .26 | .05 | .39 | | | | | | | | | | | | | | .48 | .41 | 2.78 | .46 | .44 | | | 5.60 |
| Brownwood‖ | Colorado | | | | | T. | | | .05 | T. | .10 | .65 | | .10 | T. | | | | | | | T. | | | | | | | | .10 | | | 1.00 |
| Cameron‖ | Brazos | .01 | | | | | T. | | .05 | | | | | 1.35 | | | | | | | .18 | | | | | .08 | | T. | | | | | 1.67 |
| Carmona | Neches | T. | | T. | | | | | .47 | T. | | | .69 | | | | | | | | | | | | T. | | | .05 | | | .38 | T. | 1.59 |
| Claytonville | Brazos | | | | | | | | .37 | | .42 | | | | | | | | | | | | | | | | | | | | | | 0.79 |
| Coleman | Colorado | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Colorado | ...do | | | .06 | | | | | | .38 | .40 | .33 | | | | | | | | | | .44 | | | | .08 | | | | | | | 1.69 |
| Columbia | Brazos | | | | | | | .51 | .41 | .06 | .27 | | | T. | | | | | | | | | | | | T. | .50 | .91 | | | | | 2.56 |
| Columbus‖ | Colorado | | | | | | | | | .36 | .16 | T. | | | | | | | | | | .66 | | | | | | | | | | | 1.18 |
| Comstock | Rio Grande | | | | | | | | | | | | T. | | | | | | | | | | | | | | | | .33 | | .09 | | 0.42 |
| Corpus Christi | Coast | | T. | | | | | | T. | .86 | .19 | .04 | T. | | T. | | | | | | T. | T. | .54 | | | .57 | .04 | 1.24 | .17 | .02 | .04 | | 3.71 |
| Corsicana‖ | Trinity | .02 | | | | | | | | .36 | .33 | | | .10 | | | | | | | | .02 | | | | .04 | | | | | | | 0.87 |
| Crockett | ...do | | | T. | | | T. | | .15 | .03 | | | T. | .14 | | | | | | | | | | | T. | | | T. | | T. | T. | | 0.32 |
| Cuero‖ | Guadalupe | | | | | | | | T. | | .24 | .02 | .13 | | | | | | | | | .04 | | | | | .16 | .08 | .06 | .15 | .14 | .42 | 1.44 |
| Dallas‖ | Trinity | | T. | | | | | .88 | | .14 | .16 | | | | | | | | | | | .22 | | | .06 | .12 | | | | | | | 1.58 |
| Danevang | Coast | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Decatur | Trinity | | | T. | | | .50 | | .20 | T. | | | 1.30 | 1.30 | T. | | | | | | T. | | | | T. | | | | .35 | | | | 3.65 |
| Del Rio | Rio Grande | | | | | | | | T. | | T. | T. | | | | | | | | | | | | | | .05 | | T. | .26 | | | | 0.31 |
| Dialville | Neches | T. | | | | | T. | T. | 2.25 | T. | | | | .60 | | | | | | | | | | | .17 | | | | | | T. | .90 | 3.92 |
| Dublin‖ | Brazos | | | | | | | | | .37 | | | | .38 | 3.82 | | | | | | | | | | | .19 | | | | | .71 | | 5.47 |
| Duval | Colorado | | | | | | T. | T. | | T. | T. | | .42 | | | | | | | | .21 | | | | T. | .45 | | T. | | | .09 | | 1.17 |
| Eagle Pass | Rio Grande | | | | | | | | | | | | | | | | | | | | | | | | | .90 | .10 | .40 | .42 | | | | 1.82 |
| Edna | Lavaca | | | | | | .25 | | T. | | | .20 | .35 | | | | T. | T. | | | | T. | | | | | .40 | T. | | | | | 1.20 |
| El Paso | Rio Grande | | | | | | | T. | .08 | | | | .15 | .01 | .12 | T. | .02 | T. | | | .05 | | | | | | T. | | .08 | T. | | | 0.51 |
| Encinal | Nueces | | | | | | | | | .95 | .51 | | | | | | | | | | | | | | | .65 | | .37 | .79 | | | | |
| Fairland | Colorado | T. | | | | | | .04 | | T. | | | .03 | .02 | | | | | | | .02 | .01 | | | | | | .18 | | | .23 | | 0.53 |
| Falfurrias | Coast | | | | .36 | | | | | .94 | .23 | | | | | | | | | | | | 1.03 | | | | .85 | 5.16 | 2.62 | | | | 11.19 |
| Flatonia | Guadalupe | | | | | | | | | .55 | .10 | | | | | | | | | | .91 | .02 | | | | .10 | | .27 | .29 | | .02 | | 2.26 |
| Fort Clark‖ | Rio Grande | | | | | | | | | | | | | | | | | | | | | | | | | | .14 | T. | | .35 | | | 0.49 |
| Fort McIntosh | ...do | | | | | | | | | .11 | 1.00 | | | | | | | | | | | | | | | .13 | | .41 | 1.57 | | .05 | | 3.27 |
| Fort Stockton | Pecos | | | | | | | | | .18 | | | | .42 | | | | | | | | | .31 | | | | | | .11 | | | | 1.02 |
| Fort Worth | Trinity | T. | | | | | T. | | .20 | .08 | | | .05 | .95 | | | | | | | .18 | | | | .29 | .03 | | T. | | | | .60 | 2.38 |
| Fredericksburg | Colorado | | | | | | | .02 | .50 | .01 | | .35 | | | | | | | | | | .12 | | | | .70 | | .06 | | | | | 1.76 |
| Gainesville | Trinity | .17 | | | | | .02 | .37 | | .05 | .02 | | .11 | .18 | .63 | | | | | | | | | | .10 | .07 | | | | | | .85 | 2.57 |
| Galveston | Coast | .29 | T. | | | | | 1.83 | 1.18 | | .11 | .10 | .45 | | | | | | | T. | T. | | | .01 | .01 | | | .08 | | | | | 4.06 |
| Gatesville | Brazos | | | | | | | | | .70 | | | .60 | | | | | | | 1.00 | | | | | | | .10 | | | | | | 2.40 |
| Georgetown‖ | ...do | | | | | | | T. | | .09 | | | | .51 | | | | | | | .27 | | | | | | .09 | | T. | | | .04 | 1.00 |
| Gonzales‖ | Guadalupe | | | | | | | | | | 1.03 | .35 | | .45 | | | | | | | | .39 | | | | | .03 | | .05 | | .12 | | 2.42 |
| Graham | Brazos | | | | | | | | .10 | 2.85 | | | | 1.05 | | | | | | | .20 | | | | T. | | | | | | | 1.20 | |
| Grandfalls | Pecos | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Grapevine | Trinity | | | T. | | | | | .14 | | | | .02 | .15 | | | | | | | .12 | | | | .20 | | | | | | | | |
| Greenville‖ | Sabine | .45 | | | | | | | | .20 | | | | | | | | | | | | T. | | | .10 | .15 | | | | | | | 0.90 |
| Hallettsville | Lavaca | | | | | | | | | .10 | T. | T. | | | | | | | | | T. | | | | | T. | | .39 | | | | | 0.49 |
| Haskell | Brazos | | | | | | | .70 | 1.08 | | | | | | .39 | | | | | | | | | | | | | | | | | | 2.17 |
| Hebbronville | Coast | | | | | | | | | 1.18 | .20 | | | | | | | | | | | | | | | | | 1.80 | 4.20 | | | | 7.38 |
| Hempstead‖ | Brazos | | | | | | | .22 | | | .11 | | | .90 | T. | | | | | | | .50 | | | | | | | | | | .15 | 1.88 |
| Henderson | Neches | | | | | | | | .82 | T. | | | | .11 | | | | | | | | | | | .75 | | | | | | | | 1.68 |
| Hewitt | Brazos | | | | | | T. | T. | .08 | 1.35 | | | .46 | .80 | | | | | | | .11 | | | | .08 | T. | | T. | | | | | 2.88 |
| Hillsboro | ...do | | | | | | | | 1.23 | | | | | | | | | | | .66 | | | | | | | | | | | | | 1.89 |
| Hondo | Nueces | | | | | | | | | .85 | | | | | | | | | | | | | | | | | | | | | | | |
| Houston‖ | Coast | | T. | | | | | | T. | .35 | T. | | .10 | .12 | T. | | | | | | | .21 | | | | .55 | | .10 | | | .02 | | 1.52 |
| Hubbard | Trinity | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.78 |
| Huntsville‖ | ...do | | | T. | | | | | T. | .20 | | | | .19 | | | | | | | | | | | | | | | | | .25 | | 0.64 |
| Jewett‖ | ...do | T. | | | T. | | | | | | 1.45 | | | .32 | .14 | | | | | | | | | | T. | | | T. | | | | | 1.91 |
| Junction | Colorado | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kaufman | Trinity | 1.16 | | | | | | | .50 | | | | | .20 | | | | | | | | | | | T. | | | | | | | T. | 1.86 |
| Keene | Brazos | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kerrville‖ | Guadalupe | | | | | | | | T. | | | .20 | | | .21 | | | | | | | | | | | | .23 | | .31 | | | | 0.95 |
| Knickerbocker | Colorado | | T. | .09 | T. | | | .25 | .08 | .37 | | | .12 | | | | | | | | T. | | | | | | | .05 | | | | | |
| Kopperl‖ | Brazos | | | | | | | | | 3.94 | | | | | | | | | | | | .64 | | | | T. | | | | | T. | | 4.58 |
| Lampasas‖ | ...do | | .06 | | | | | | | | | | | .07 | | | | | | | | .52 | | | | | | | .40 | | | | 1.05 |
| La Parra | Coast | | | .67 | | | | | | 1.42 | | | | | | | | | | | | | | | | .14 | .44 | 5.85 | | | | | 8.52 |
| Laureles Ranch | ...do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Liberty‖ | Trinity | T. | | T. | | | | .89 | | .42 | .16 | | .20 | .42 | | T. | | | | | | | | | T. | .20 | | T. | | | | | 2.29 |
| Llano | Colorado | | | | T. | | | .01 | .05 | | | T. | .03 | | | | | | | | | | | | | T. | | | | | T. | | 0.09 |
| Llano Grande | Rio Grande | | | | | | | | | | .20 | .60 | | | | | | | | | | | | | T. | .40 | .60 | 1.00 | 1.25 | .75 | | | 4.80 |
| Long Lake‖ | Trinity | | | | .48 | | | | .10 | .30 | | | | | | | | | | | | | | | | | | | | | | .04 | 0.92 |
| Longview‖ | Sabine | .09 | | | | | | .21 | .06 | .23 | | | | | .58 | | | | | | | | | | .92 | .06 | | | | | | | 2.15 |
| Lufkin | Neches | .04 | .12 | | | | | | .68 | | .12 | | .23 | | | | | | | | | | | | .13 | | | | | | | | 1.32 |
| Luling‖ | Guadalupe | | | | | | | | | | .13 | .40 | .14 | | | | | | | | | T. | | | | | T. | | .28 | | | | 0.95 |
| Marble Falls‖ | Colorado | | | | | | | | .16 | | | | | .30 | | | | | | | .42 | T. | | | | | .18 | | T. | | | .56 | 1.62 |
| Marfa | Rio Grande | | | | | | | | | | | | | | .20 | | | | | | | | .20 | | | | | | .10 | | | | 0.50 |
| Marshall | Sabine | .65 | | | | | | .02 | .05 | | | | | .17 | | | | | | | | | | | .85 | .02 | | | | | | | 1.76 |
| Mexia‖ | Brazos | | | | T. | | | | .07 | 1.17 | 08 | | | T. | | | | | | | | .02 | | | | T. | | | | | | T. | 1.34 |
| Midland | Colorado | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mount Blanco | Brazos | | | | | | | .07 | .25 | 1.07 | | | .75 | | | | | | | | .04 | | | | | | | | | .04 | .03 | T. | 2.25 |
| Nacogdoches‖ | Neches | T. | | | | | | T. | T. | .62 | .28 | | | | | | | | | | | | | | .20 | .05 | | | | | | | 1.15 |
| New Braunfels‖ | Guadalupe | | | | | | | .44 | | .18 | | .03 | | | | | | | | | | | | | | .40 | T. | .22 | | | | | 1.27 |
| Palestine | Trinity | T. | | .07 | | | T. | .08 | .70 | | | | .23 | .65 | | | | | | | | | | | .08 | | | | | | | .30 | 2.11 |
| Panter | Brazos | | | | | | | | 1.63 | T. | T. | .23 | | | | | | | | | | | | | .17 | | | | T. | .06 | | | 2.08 |
| Pierce | Colorado | | | | | | | | | .08 | .09 | | .32 | | | | | | | | .54 | | | | | | .15 | .44 | | | | | 1.62 |
| Plainview | Brazos | | | | T. | | | .05 | T. | .25 | | | | .85 | | | | | | | | | | | | | T. | | | | | | 1.15 |
| Port Lavaca | Coast | | | | T. | | | | T. | .42 | .30 | | T. | | | | | | | | | | | | | | T. | .77 | T. | | T. | | 1.49 |
| Ricardo | ...do | | | | .26 | | | | | .32 | .04 | | | | | | | | | | | T. | .10 | | T. | .05 | .45 | 5.71 | .53 | T. | | | 7.46 |
| Riverside‖ | Trinity | | | | | | | | T. | .30 | | | | 1.95 | | | | | | | | | | | T. | | | | | | 2.00 | T. | 4.25 |
| Robert Lee‖ | Colorado | | | | .07 | | | | | | | | | .50 | | | | | | | | .15 | | | | | | | | .16 | | | 0.88 |
| Rockland‖ | Neches | | | .25 | | | | | .40 | .16 | | | .15 | | | | | | | | | | | | | .64 | | | | | | | 1.35 |
| Rossville | Nueces | | | | | | | | .09 | .40 | T. | | | | | | | | | | | .02 | | | | .24 | | .79 | .58 | | | | 2.12 |
| Runge | San Antonio | | | | | | | | | | | | | | | | | | | | | | | | | .55 | .86 | | | | .32 | | 1.73 |
| Sabinal | Nueces | | | | | | | | 2.75 | | | | | | | | | | | | | .12 | | | | .71 | | .38 | .16 | | .14 | | 4.26 |
| San Angelo | Colorado | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| San Augustine | Neches | .36 | | | | | | .30 | .30 | | | | T. | | | | | | | | | | | .01 | .65 | | | | | | | .07 | 1.69 |
| San Antonio | San Antonio | | | | | | | .19 | | .31 | .05 | | | | | | | | | | .05 | | | | | .65 | | .36 | .09 | | | | 1.70 |

TABLE 2.—*Daily precipitation for August, 1909. 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. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| San Juanita | Coast | | | | | | | | | .25 | .34 | | | | | | | | | | | | | .21 | | .16 | | 3.39 | .53 | 1.20 | | | 6.08 |
| San Marcos‖ | Guadalupe | | | | | | | | .50 | | .10 | .20 | | | | | | | | | | .10 | | | | | .47 | | | | .74 | | 2.11 |
| San Saba | Colorado | T. | | | | | | | .02 | | | | | | | | | | | | | | | | | .17 | | | | | .04 | .18 | 0.41 |
| Santa Gertrudes‖ | Coast | 1.90 | | | | | | | | .37 | .42 | | | | | | | | | | | | | | | | | 1.73 | .94 | | .45 | | 5.81 |
| Seymour | Brazos | | | | | | | | | .78 | | | | | .92 | | | | | | .01 | | | | | | | | | 1.15 | | | 2.86 |
| Somerville | ...do | | | | | | | | T. | | T. | | .04 | | | | | | | | .70 | | | | | | | | | | .02 | | 0.76 |
| Sonora | Rio Grande | | .04 | | | | | | .52 | .64 | | | .10 | | | | | | | | | | | | | .16 | | | | | .28 | T. | 1.74 |
| Sugarland | Brazos | T. | | | | | | .36 | .34 | T. | | .02 | .13 | | | | | | | | 2.50 | | | | T. | T. | | | | .02 | | | 3.37 |
| Taylor | ...do | T. | | | | | .50 | .01 | | .10 | | T. | .12 | | | | | | | | 1.95 | | | | T. | T. | | T. | | | .05 | | 2.73 |
| Temple‖ | Brazos | | | | | | | .10 | T. | .45 | | | | 2.14 | 1.40 | | | | | | | .85 | | | | T. | T. | | | | | | 4.94 |
| Tilden | Nueces | | | | T. | | | | | | | .85 | | | | | | | | | | | .10 | | | T. | .16 | 1.11 | .98 | | T. | | 3.20 |
| Uvalde | ...do | | | | | | | | 1.38 | .15 | | | | | | | | | | | | | | | | .80 | | .20 | .50 | | .10 | | 3.13 |
| Valley Junction‖ | Brazos | | | | | | | | | 1.00 | | | | | | | | | | | | | | | | | | | | | | | 1.00 |
| Victoria‖ | Guadalupe | | | | | | | .60 | | .10 | | | 1.12 | | | | | | | | | | | | | .15 | | .54 | | | | | 2.51 |
| Waco‖ | Brazos | T. | | | | | | T. | | .56 | 1.71 | | | .31 | .12 | | | | | | | .14 | | | | T. | .24 | | | | | .08 | 3.16 |
| Waxahachie‖ | Trinity | .17 | | | | T. | .05 | | .33 | .03 | T. | | T. | | | | | | | | .59 | | | | .10 | .09 | | | | | | T. | 1.36 |
| Weatherford‖ | ...do | | | | | | | | .18 | 1.26 | | | .12 | .40 | .24 | | | | | | | .37 | | | .02 | .34 | T. | | | | | | 2.93 |
| Wharton‖ | Colorado | | | | | | | | | | | | | | | | | | | | | T. | | | | | T. | | .20 | | | | 0.20 |
| Wills Point | Sabine | | | | | | | | .92 | | | | .08 | T. | | | | | | | T. | | | | .42 | T. | | | | | | .47 | |
| Zapata | Rio Grande | | | | | | | | | 2.71 | .06 | T. | | | | | | | | | | | | | | .45 | .50 | 3.10 | .65 | .03 | | | 7.50 |

TABLE 3.—*Maximum and minimum temperatures at selected stations August, 1909. 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... | 82 | 44 | 76 | 47 | 96 | 69 | 96 | 65 | 87 | 52 | 87 | 54 | 81 | 57 | 92 | 64 | 79 | 53 | 95 | 63 | 99 | 74 | 99 | 73 | 92 | 76 | 89 | 76 |
| 2... | 78 | 48 | 75 | 47 | 95 | 64 | 93 | 62 | 85 | 50 | 87 | 53 | 80 | 56 | 92 | 61 | 78 | 57 | 95 | 61 | 96 | 72 | 101 | 73 | 92 | 76 | 89 | 80 |
| 3... | 79 | 45 | 71 | 46 | 96 | 63 | 92 | 65 | 83 | 51 | 85 | 53 | 82 | 58 | 90 | 64 | 76 | 57 | 95 | 62 | 97 | 74 | 100 | 74 | 94 | 74 | 86 | 78 |
| 4... | 75 | 45 | 64 | 49 | 93 | 66 | 92 | 64 | 83 | 51 | 85 | 54 | 80 | 55 | 91 | 64 | 73 | 56 | 95 | 60 | 99 | 76 | 98 | 75 | 92 | 74 | 89 | 78 |
| 5... | 81 | 42 | 78 | 42 | 95 | 65 | 96 | 65 | 87 | 56 | 90 | 53 | 83 | 55 | 93 | 61 | 80 | 56 | 99 | 62 | 99 | 76 | 101 | 73 | 96 | 71 | 88 | 77 |
| 6... | 83 | 45 | 80 | 46 | 96 | 65 | 98 | 67 | 90 | 56 | 93 | 58 | 81 | 56 | 95 | 65 | 81 | 56 | 99 | 69 | 99 | 76 | 103 | 75 | 96 | 74 | 88 | 78 |
| 7... | 83 | 48 | 80 | 47 | 96 | 60 | 94 | 66 | 82 | 55 | 89 | 57 | 83 | 58 | 94 | 62 | 81 | 58 | 99 | 66 | 99 | 78 | 103 | 75 | 94 | 73 | 88 | 80 |
| 8... | 82 | 50 | 82 | 49 | 92 | 67 | 92 | 71 | 80 | 57 | 88 | 57 | 81 | 54 | 88 | 64 | 78 | 62 | 93 | 69 | 89 | 72 | 103 | 67 | 90 | 74 | 85 | 77 |
| 9... | 80 | 46 | 76 | 45 | 91 | 61 | 90 | 60 | 79 | 54 | 75 | 53 | 75 | 51 | 85 | 60 | 74 | 54 | 85 | 64 | 85 | 71 | ..... | ..... | 85 | 74 | 86 | 73 |
| 10... | 81 | 52 | 72 | 54 | 92 | 68 | 89 | 68 | 78 | 55 | 80 | 54 | 78 | 55 | 88 | 64 | 74 | 57 | 87 | 60 | 88 | 72 | ..... | ..... | 89 | 76 | 87 | 77 |
| 11... | 80 | 44 | 79 | 44 | 94 | 72 | 91 | 67 | 80 | 56 | 88 | 53 | 77 | 56 | 91 | 64 | 79 | 56 | 94 | 64 | 93 | 71 | 99 | 68 | 86 | 75 | 86 | 76 |
| 12... | 83 | 51 | 82 | 48 | 96 | 64 | 95 | 66 | 83 | 55 | 91 | 57 | 80 | 56 | 91 | 65 | 80 | 56 | 99 | 64 | 94 | 72 | 100 | 69 | 91 | 75 | 87 | 77 |
| 13... | 80 | 45 | 80 | 46 | 91 | 68 | 98 | 70 | 86 | 59 | 88 | 56 | 81 | 59 | 93 | 67 | 82 | 58 | 97 | 65 | 84 | 66 | 91 | 73 | 91 | 78 | 89 | 80 |
| 14... | 82 | 49 | 79 | 50 | 92 | 67 | 92 | 69 | 82 | 57 | 87 | 56 | 79 | 57 | 91 | 66 | 77 | 59 | 92 | 64 | 94 | 72 | 98 | 73 | 91 | 77 | 88 | 80 |
| 15... | 81 | 45 | 80 | 57 | 91 | 66 | 96 | 70 | 83 | 54 | 84 | 54 | 75 | 55 | 95 | 66 | 77 | 58 | 92 | 65 | 95 | 73 | 100 | 73 | 92 | 74 | 88 | 78 |
| 16... | 80 | 45 | 80 | 48 | 93 | 65 | 99 | 65 | 86 | 52 | 90 | 56 | 83 | 55 | 95 | 63 | 81 | 56 | 95 | 61 | 97 | 71 | 103 | 73 | 94 | 74 | 90 | 75 |
| 17... | 81 | 47 | 81 | 48 | 94 | 67 | 100 | 62 | 87 | 54 | 87 | 58 | 85 | 57 | 97 | 63 | 85 | 60 | 92 | 62 | 101 | 73 | 106 | 66 | 96 | 74 | 92 | 74 |
| 18... | 83 | 50 | 75 | 56 | 92 | 67 | 102 | 64 | 82 | 55 | 78 | 56 | 79 | 56 | 96 | 62 | 79 | 56 | 95 | 69 | 104 | 73 | 107 | 67 | 98 | 74 | 90 | 74 |
| 19... | 81 | 50 | 75 | 50 | 94 | 66 | 99 | 69 | 82 | 54 | 87 | 54 | 82 | 55 | 92 | 67 | 73 | 56 | 89 | 66 | 97 | 74 | 105 | 73 | 96 | 75 | 93 | 76 |
| 20... | 75 | 47 | 74 | 53 | 95 | 64 | 91 | 67 | 77 | 56 | 75 | 56 | 78 | 55 | 83 | 63 | 74 | 57 | 80 | 63 | 90 | 75 | 86 | 67 | 96 | 76 | 93 | 78 |
| 21... | 83 | 46 | 77 | 49 | 95 | 62 | 89 | 67 | 84 | 56 | 80 | 56 | 76 | 56 | 85 | 63 | 78 | 54 | 91 | 61 | 93 | 73 | 92 | 72 | 97 | 75 | 95 | 80 |
| 22... | 84 | 46 | 85 | 48 | 92 | 66 | 83 | 69 | 79 | 55 | 73 | 56 | 82 | 58 | 85 | 66 | 76 | 59 | 91 | 63 | 94 | 73 | 92 | 70 | 93 | 75 | 90 | 78 |
| 23... | 84 | 45 | 78 | 49 | 91 | 69 | 89 | 65 | 79 | 55 | 83 | 55 | 78 | 58 | 86 | 65 | 76 | 58 | 91 | 61 | 93 | 65 | 94 | 65 | 93 | 74 | 92 | 76 |
| 24... | 81 | 48 | 77 | 48 | 90 | 68 | 91 | 61 | 83 | 49 | 86 | 52 | 80 | 55 | 87 | 57 | 78 | 55 | 95 | 63 | 89 | 65 | 98 | 68 | 93 | 72 | 85 | 77 |
| 25... | 83 | 46 | 75 | 49 | 93 | 60 | 93 | 58 | 84 | 47 | 82 | 53 | 82 | 55 | 89 | 57 | 76 | 56 | 95 | 61 | 91 | 71 | 96 | 68 | 90 | 75 | 86 | 74 |
| 26... | 79 | 45 | 74 | 44 | 93 | 62 | 90 | 65 | 82 | 51 | 82 | 55 | 81 | 54 | 88 | 60 | 75 | 59 | 90 | 62 | 91 | 72 | 96 | 73 | 88 | 76 | 87 | 76 |
| 27... | 80 | 46 | 78 | 46 | 92 | 65 | 91 | 62 | 84 | 50 | 88 | 54 | 80 | 54 | 88 | 61 | 78 | 56 | 94 | 59 | 92 | 71 | 96 | 69 | 81 | 73 | 83 | 73 |
| 28... | 72 | 48 | 70 | 40 | 84 | 72 | 89 | 65 | 77 | 51 | 79 | 52 | 76 | 53 | 82 | 60 | 76 | 59 | 83 | 59 | 92 | 71 | 96 | 69 | 87 | 75 | 84 | 77 |
| 29... | 67 | 48 | 75 | 46 | 83 | 65 | 83 | 67 | 66 | 56 | 66 | 54 | 61 | 52 | 78 | 63 | 67 | 56 | 74 | 67 | 88 | 74 | 89 | 71 | 88 | 74 | 86 | 80 |
| 30... | 69 | 54 | 67 | 46 | 86 | 66 | 86 | 67 | 76 | 58 | 76 | 56 | 70 | 55 | 82 | 66 | 68 | 56 | 81 | 58 | 92 | 68 | 92 | 68 | 89 | 75 | 92 | 75 |
| 31... | 73 | 44 | 68 | 46 | 91 | 60 | 91 | 63 | 82 | 49 | 84 | 51 | 78 | 52 | 85 | 62 | 76 | 54 | 90 | 59 | 95 | 70 | 96 | 68 | 90 | 74 | 88 | 78 |
| Mns | 79.5 | 46.9 | 76.2 | 47.8 | 92.4 | 65.5 | 92.6 | 65.5 | 81.9 | 53.7 | 83.6 | 54.7 | 78.9 | 55.4 | 89.3 | 63.1 | 76.9 | 56.8 | 92.1 | 63.0 | 93.8 | 72.1 | 97.9[b] | 70.6[b] | 91.6 | 74.6 | 88.4 | 77.0 |

| 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... | 97 | 70 | 93 | 70 | 102 | 78 | 94 | 65 | 92 | 78 | 81 | 75 | 91 | 74 | 93 | 74 | 93 | 72 | 84 | 76 | 92 | 64 | 94 | 73 | 103 | 70 | 92 | 73 |
| 2... | 95 | 76 | 94 | 71 | 102 | 80 | 93 | 64 | 98 | 76 | 84 | 79 | 94 | 74 | 93 | 74 | 97 | 72 | 96 | 74 | 93 | 65 | 96 | 74 | 102 | 68 | 95 | 72 |
| 3... | 95 | 75 | 91 | 72 | 102 | 79 | 93 | 65 | 100 | 78 | 89 | 80 | 95 | 74 | 97 | 75 | 97 | 75 | 98 | 75 | 93 | 65 | 96 | 75 | 100 | 77 | 96 | 73 |
| 4... | 97 | 74 | 91 | 73 | 103 | 79 | 92 | 64 | 104 | 79 | 89 | 80 | 95 | 74 | 98 | 73 | 97 | 72 | 96 | 75 | 94 | 68 | 96 | 74 | 102 | 79 | 98 | 73 |
| 5... | 98 | 76 | 94 | 73 | 104 | 79 | 94 | 64 | 102 | 82 | 89 | 80 | 95 | 74 | 99 | 74 | 99 | 72 | 97 | 76 | 96 | 66 | 97 | 74 | 103 | 77 | 97 | 74 |
| 6... | 99 | 75 | 95 | 73 | 104 | 79 | 96 | 65 | 100 | 80 | 88 | 81 | 95 | 74 | 98 | 75 | 96 | 73 | 96 | 76 | 96 | 69 | 97 | 73 | 104 | 78 | 98 | 73 |
| 7... | 98 | 76 | 94 | 72 | 103 | 79 | 94 | 65 | 96 | 73 | 85 | 71 | 95 | 75 | 94 | 74 | 93 | 72 | 94 | 72 | 96 | 67 | 97 | 73 | 106 | 87 | 97 | 73 |
| 8... | 96 | 75 | 92 | 70 | 101 | 79 | 96 | 66 | 84 | 72 | 83 | 74 | 90 | 73 | 88 | 75 | 92 | 73 | 82 | 71 | 89 | 66 | 92 | 71 | 94 | 75 | 86 | 72 |
| 9... | 92 | 74 | 88 | 67 | 98 | 79 | 89 | 61 | 89 | 74 | 86 | 80 | 89 | 75 | 93 | 74 | 93 | 74 | 90 | 74 | 80 | 66 | 91 | 71 | 85 | 71 | 87 | 72 |
| 10... | 95 | 71 | 89 | 72 | 99 | 75 | 88 | 66 | 94 | 75 | 86 | 78 | 94 | 75 | 95 | 75 | 95 | 73 | 93 | 73 | 88 | 64 | 90 | 72 | 92 | 76 | 95 | 74 |
| 11... | 97 | 73 | 90 | 72 | 97 | 79 | 90 | 65 | 94 | 76 | 84 | 76 | 94 | 76 | 94 | 75 | 92 | 72 | 91 | 72 | 92 | 63 | 94 | 74 | 93 | 72 | 94 | 74 |
| 12... | 96 | 75 | 95 | 70 | 100 | 77 | ..... | ..... | 95 | 76 | 85 | 72 | 94 | 75 | 92 | 75 | 93 | 72 | 90 | 71 | 93 | 64 | 93 | 74 | 97 | 76 | 94 | 74 |
| 13... | 98 | 78 | 90 | 68 | 102 | 77 | ..... | ..... | 80 | 71 | 89 | 81 | 94 | 77 | 97 | 74 | 96 | 72 | 86 | 72 | 88 | 68 | 96 | 75 | 87 | 75 | 95 | 74 |
| 14... | 97 | 76 | 85 | 69 | 101 | 79 | ..... | ..... | 94 | 76 | 88 | 82 | 94 | 75 | 96 | 75 | 98 | 73 | 94 | 75 | 89 | 66 | 96 | 76 | 92 | 70 | 96 | 75 |
| 15... | 98 | 76 | 92 | 67 | 102 | 78 | ..... | ..... | 98 | 75 | 88 | 81 | 96 | 74 | 98 | 75 | 97 | 72 | 94 | 74 | 92 | 69 | 96 | 75 | 95 | 74 | 96 | 74 |
| 16... | 99 | 70 | 95 | 66 | 103 | 78 | ..... | ..... | 102 | 76 | 89 | 79 | 98 | 73 | 101 | 72 | 102 | 73 | 99 | 74 | 96 | 64 | 99 | 73 | 98 | 70 | 100 | 72 |
| 17... | 105 | 71 | 93 | 68 | 108 | 80 | ..... | ..... | 106 | 76 | 94 | 78 | 100 | 69 | 104 | 77 | 107 | 73 | 100 | 76 | 100 | 64 | 102 | 72 | 102 | 68 | 105 | 70 |
| 18... | 107 | 71 | 90 | 68 | 110 | 80 | ..... | ..... | 112 | 77 | 95 | 77 | 103 | 73 | 108 | 74 | 109 | 76 | 108 | 81 | 93 | 64 | 105 | 76 | 100 | 68 | 109 | 75 |
| 19... | 108 | 74 | 95 | 70 | 110 | 80 | ..... | ..... | 101 | 79 | 93 | 79 | 103 | 74 | 107 | 76 | 110 | 75 | 103 | 80 | 92 | 64 | 105 | 78 | 98 | 70 | 106 | 77 |
| 20... | 105 | 78 | 95 | 72 | 110 | 80 | ..... | ..... | 93 | 74 | 94 | 78 | 104 | 74 | 107 | 77 | 105 | 78 | 96 | 78 | 83 | 68 | 107 | 76 | 95 | 73 | 100 | 68 |
| 21... | 97 | 76 | 94 | 68 | 105 | 80 | ..... | ..... | 95 | 72 | 93 | 81 | 95 | 75 | 106 | 73 | 99 | 71 | 97 | 74 | 89 | 67 | 98 | 74 | 95 | 68 | 95 | 74 |
| 22... | 98 | 74 | 90 | 71 | 103 | 80 | ..... | ..... | 96 | 73 | 89 | 80 | 96 | 74 | 98 | 74 | 100 | 70 | 96 | 72 | 89 | 65 | 96 | 74 | 97 | 71 | 96 | 73 |
| 23... | 95 | 73 | 88 | 69 | 101 | 76 | ..... | ..... | 97 | 72 | 90 | 75 | 95 | 70 | 98 | 71 | 96 | 72 | 95 | 74 | 92 | 61 | 95 | 71 | 95 | 65 | 95 | 71 |
| 24... | 99 | 70 | 90 | 69 | 103 | 72 | ..... | ..... | 83 | 70 | 84 | 74 | 93 | 71 | 91 | 71 | 90 | 70 | 85 | 70 | 91 | 58 | 92 | 71 | 95 | 75 | 86 | 72 |
| 25... | 95 | 72 | 92 | 66 | 97 | 80 | 85 | 61 | 90 | 74 | 87 | 79 | 95 | 77 | 95 | 74 | 98 | 74 | 94 | 75 | 93 | 61 | 88 | 70 | 94 | 73 | 93 | 73 |
| 26... | 94 | 72 | 89 | 69 | 100 | 80 | 87 | 60 | 94 | 74 | 88 | 81 | 94 | 75 | 97 | 75 | 99 | 70 | 94 | 72 | 91 | 63 | 94 | 71 | 96 | 74 | 95 | 74 |
| 27... | 94 | 72 | 90 | 68 | 92 | 80 | 89 | 60 | 94 | 76 | 85 | 80 | 90 | 77 | 90 | 75 | 98 | 73 | 95 | 72 | 91 | 59 | 87 | 73 | 96 | 69 | 92 | 74 |
| 28... | 92 | 70 | 80 | 66 | 83 | 78 | 87 | 67 | 95 | 77 | 86 | 80 | 95 | 76 | 97 | 76 | 101 | 73 | 96 | 74 | 89 | 62 | 87 | 75 | 98 | 70 | 94 | 72 |
| 29... | 91 | 72 | 82 | 67 | 94 | 78 | 85 | 64 | 93 | 77 | 94 | 79 | 96 | 73 | 103 | 73 | 101 | 72 | 98 | 78 | 81 | 61 | 94 | 72 | 88 | 68 | 97 | 72 |
| 30... | 98 | 68 | 84 | 65 | 96 | 76 | 91 | 62 | 98 | 74 | 88 | 81 | 97 | 74 | 99 | 75 | 100 | 74 | 96 | 74 | 91 | 60 | 99 | 74 | 92 | 68 | 97 | 74 |
| 31... | 97 | 70 | 90 | 62 | 99 | 76 | 92 | 59 | 97 | 75 | 91 | 81 | 96 | 72 | 99 | 74 | 99 | 69 | 96 | 74 | 93 | 68 | 93 | 72 | 93 | 73 | 94 | 73 |
| Mns | 97.5 | 73.3 | 90.6 | 69.1 | 101.1 | 78.4 | ..... | ..... | 95.7 | 75.4 | 88.2 | 78.5 | 95.3 | 74.1 | 97.6 | 74.3 | 98.1 | 72.6 | 94.7 | 74.3 | 91.1 | 64.5 | 95.5 | 73.4 | 96.4 | 72.5 | 95.8 | 73.0 |