CLIMATOLOGICAL DATA FOR APRIL, 1912.

DISTRICT No. 7, LOWER MISSISSIPPI VALLEY.

ISAAC M. CLINE, District Editor.

GENERAL SUMMARY.

Low temperatures prevailed during the first 5 days, a minimum reading of 39° being recorded on the 3d as far south as Lake Charles, La. During the remainder of the month temperature conditions were moderate. Precipitation was well distributed, showers occurring in all parts of the district every day, except that from the 2d to 5th and on the 29th and 30th many stations received no rain. Weather conditions were generally favorable, except that in some localities in the eastern portion excessive rains interfered materially with outdoor occupations. Severe local storms occurred in parts of Oklahoma, Kansas, and Tennessee, and considerable damage resulted. Large areas in the immediate Mississippi Valley were under water at the close of the month as the result of breaking of levees in Arkansas, Mississippi, and Louisiana.

The following table summarizes the chief features of meteorological interest in the various portions of the district:

States and portions of States lying within District No. 7.	Mean temperature.	Departure from normal.	Mean precipitation.	Departure from normal.	Greatest precipitation in 24 hours.	Mean snowfall.	Number of days— With 0.01 inch or more.	Clear.	Partly cloudy.	Cloudy.	Prevailing wind direction.
Colorado	41.5	—2.9	1.55	—0.56	4.58	14.2	6	13	10	7	w.
New Mexico	47.7	—4.1	1.20	+0.02	1.56	2.8	5	14	12	4	sw.
Texas	58.1	0.0	2.70	—0.22	6.39	0.5	5	14	7	9	s.
Kansas	55.3	—0.8	3.37	+0.74	4.02	0.4	7	14	9	7	s.
Oklahoma	59.8	—0.1	4.24	+1.65	8.30	2.8	8	15	8	7	s.
Missouri	57.8	+1.3	7.99	+3.59	4.50	0.4	12	12	8	10	s.
Tennessee	61.6	+2.0	10.10	+5.41	5.35	0	12	11	5	14	s.
Arkansas	61.9	+0.8	8.14	+3.59	4.71	T.	12	9	11	10	s.
Mississippi	65.1	+1.2	9.41	+5.16	5.28	0	12	11	8	11	se.
Louisiana	68.4	+1.2	7.04	+2.19	7.50	0	10	9	7	14	s.

TEMPERATURE.

Mean temperatures were below the normal to the west of the ninety-seventh meridian, and above in nearly all localities to the east of that line. The departures, however, were generally small, the greatest deficiency being 2.8°, in northeastern New Mexico, and the greatest excess 3.5°, in northwestern Tennessee. The highest temperature recorded was 99°, at Henrietta, Tex., and the lowest was 5°, at Lake Moraine, Colo., and Elizabethtown, N. Mex.

PRECIPITATION BY DRAINAGE AREAS.

Arkansas River and tributaries.—More than the normal amount of precipitation occurred over this drainage area, except that there was a deficiency at most stations to the west of the ninety-eighth meridian. In Colorado, the average from 35 stations was 1.53 inches, about 0.6 inch below the normal. Over those portions of the Arkansas Valley proper that lie in Kansas and Oklahoma, the average from 47 stations was 3.90 inches, about 1 inch above the normal. Over the headwaters of the Canadian River in New Mexico the average from 41 stations was 1.19 inches, about 0.2 inch above the normal, while over those portions of the Canadian Valley that lie in Texas and Oklahoma the average from 31 stations was 2.97 inches, about the normal amount. In the Cimarron Valley the average from 23 stations was 3.49 inches, about 1.7 inches above the normal. In the Verdigris Valley the average from 10 stations was 5.80 inches, about 2.8 inches above the normal. The amounts from 18 stations in the Neosho Valley averaged 5.13 inches, about 1.8 inches above the normal. Below the Oklahoma-Arkansas line the average from 16 stations was 8.11 inches, about 3.5 inches above the normal.

Red River and tributaries.—The precipitation was unevenly distributed over that portion of the Red River Valley that lies in New Mexico, Texas, and Oklahoma, where the amounts from 39 stations averaged 2.98 inches, about 0.4 inch above the normal. Below the Texas-Arkansas line the average from 19 stations was 7.98 inches, about 3.6 inches above the normal.

Mississippi River, south of St. Louis, and small tributaries.—Unusually heavy precipitation occurred generally over this drainage area. In the immediate Mississippi Valley the amounts from 40 stations averaged 9.21 inches, about 4.3 inches above the normal. The average from 23 stations in the valley of the White was 7.38 inches, about 3.4 inches above the normal. Over the Yazoo Valley the average from 25 stations was 9.77 inches, about 6.5 inches above the normal. The average from the valley of the Big Black was 9.43 inches, about 5.3 inches above the normal. In the Ouachita Valley the average from 19 stations was 7.98 inches, about 3.6 inches above the normal.

Louisiana coastal plain.—The precipitation was generally heavy over this drainage area, the average from 33 stations being 6.22 inches, about 2.4 inches above the normal.

SNOWFALL.

Snow occurred quite generally to the west of the ninety-ninth meridian and at some stations in northwestern Arkansas and in the Missouri area. The amounts ranged from a trace on the plains to 73 inches in the mountains of Colorado. In Colorado conditions have been unfavorable for melting the snow, except at low altitudes, and at the close of the month the average depth on the ground at a mean elevation of 9,500 feet was 15 inches, being greater than usual so late in the season. In New Mexico the snowfall was unusually heavy, and the prospects for a good flow of water for irrigation are somewhat better than at the close of March.

RIVERS.

No high water occurred in the upper reaches of the Arkansas River, but in Oklahoma and Kansas flood stages

occurred in some of the tributaries. The Neosho River was at flood stage April 29 and 30 from Oswego southward, causing damage to crops and enforced suspension of business. The loss is estimated at $40,000. A moderate flood was in progress in the lower reaches of the Arkansas at the close of the month, but no material damage resulted.

Floods occurred in the upper White River April 2 to 7 and in the lower White River April 6 to 30. Another flood occurred in the upper White River April 27 to 30. The preparation for crops was materially retarded, but no other damage was reported.

A flood of considerable extent was in progress in the lower Ouachita at the close of the month, and the Yazoo also was above the flood stage the greater part of the month.

The Red River was above the flood stage at Fulton, Ark., from April 3 to 10, inclusive.

The greatest flood in the history of the lower Mississippi River was in progress at the close of the month, with a great volume of the flood waters spread out over the lowlands of Louisiana and Mississippi north of Vicksburg, resulting from the breaking of levees above that place on both sides of the river. The highest stages (in feet) recorded during the month were as follows: Memphis, 44.9 on the 6th; Helena, Ark., 54.3 on the 21st and 22d; Arkansas City, 55.4 on the 12th; Vicksburg, 51.9 on the 13th; Natchez, 51.4 on the 14th; Baton Rouge, 41.5 on the 30th; Donaldsonville, 32.9 on the 30th; and New Orleans, 20.4 on the 30th. These stages are the highest ever recorded, except at Vicksburg, where the bulk of the water passed around that place over the Louisiana bottoms to the Red River.

The complete report of this flood will appear in a special bulletin to be issued later by the Weather Bureau.

TORNADOES.

Tornadoes in Oklahoma, April 20, 1912.—Tornadoes were reported from several localities in north-central Oklahoma during the afternoon of April 20, 1912. When the time of occurrence, location, and direction of movement are considered it appears that there were three independent storms. About 4 p. m. a funnel-shaped cloud was observed about 3 miles west of Yukon, Oklahoma County, moving from the southwest toward the northeast. The path of greatest destruction was 200 yards to one-fourth mile in width. The trees in its track were prostrated in every direction. Two houses, valued at $7,000, were destroyed. Two persons were injured; one is not expected to recover

At 3.30 p. m. a funnel-shaped cloud was observed 1 mile north of Arcadia, Oklahoma County, moving from the southwest toward the northeast. The path of greatest destruction was about 100 feet wide. Trees were prostrated in every direction. Damage to property and live stock is estimated at $525. This tornado reappeared about 1 mile northeast of Fallis, Lincoln County, at 6.15 p. m. and was moving toward the northeast. The width of the path of greatest destruction was 150 to 200 yards. Four houses and outbuildings were destroyed, the value of which is estimated at $5,000.

Another tornado made its appearance 5 miles northwest of Orlando, Payne County, about 4 p. m. The storm moved from the southwest toward the northeast. There was a funnel-shaped cloud. The path of greatest destruction was 1 mile in width, and the damage to property was estimated at $9,000 to $12,000. This tornado reappeared about 7 miles southeast of Perry, Noble County, and moved northeastward over a distance of 15 miles, disappearing in the Orto pastures. The path of greatest destruction was one-fourth to one-half mile in width. Three persons were killed and 12 seriously injured. About $40,000 worth of property was destroyed.

Another tornado made its appearance at Hennessey, Kingfisher County, at 4.30 p. m. The storm had a funnel-shaped cloud and moved from the southwest toward the northeast. The path of greatest destruction was about 2 miles in width. Six persons were injured, and the damage amounted to about $75,000.

Tornadoes in Oklahoma, April 27, 1912.—During the afternoon and evening of April 27, 1912, six distinct tornadoes occurred in southwestern Oklahoma and one in the southeastern portion of the State.

The first storm made its appearance near Childress, Tex., about 10.30 a. m., moving from southwest to northeast, and the funnel shaped cloud was well defined. The path of destruction was about one-half mile wide, and the damage was conservatively estimated at $65,000. Five persons were killed and 20 injured. This storm was again observed at Eldorado, Jackson County, Okla., at 11.30 a. m. The funnel cloud was not seen here, but the disposition of the débris clearly indicated a rotary movement of the winds. The path was about 500 yards wide. Seven residences, with barns, etc., were destroyed, the damage being estimated at $12,000. Three persons were injured, but none was killed. This storm again manifested destructive violence at Martha, Jackson County, Okla., about 2.30 p. m. When first observed from Martha, it was about 5 miles southeast of the town, and it moved in a northeasterly direction, passing about 2¼ miles east of the town. The path of greatest destruction was 200 to 300 yards in width. Its energy decreased and its destructive violence was last exhibited about one-half mile west of Blair, Kiowa County, where the funnel-shaped cloud disappeared. The damage at Martha is estimated at $16,000 and at Blair $3,000. No persons were killed or injured at either place.

The second storm exhibited destructive violence over the longest stretch of territory of any of the tornadoes, its path extending from Lugert, in the extreme southwestern portion of Kiowa County, northeastward to Calumet, in the northern portion of Canadian County. This storm first appeared at Lugert about 12.30 p. m., traveling in a northeasterly direction, with a path about one-half mile wide, and having a well-defined funnel-shaped cloud. Two persons were killed in the vicinity of Lugert, and the property damage is estimated at $50,000. This storm made its second appearance at Hobart, Kiowa County, about 1 p. m. The funnel cloud was well defined and the path of destruction was from 100 yards to one-half mile in width. Five persons were killed and 25 injured in Kiowa County. The property damage is estimated at $250,000. This storm reappeared at Colony, Washita County, at 2 p. m., still moving in a northeasterly direction, the path of destruction varying from one-fourth to one-half mile in width. Four persons were killed and 6 injured, and the property damage is estimated at $5,000. The storm was accompanied by a torrential rainfall at this place. This storm was next observed at Hinton, Caddo County, about 2.30 p. m., moving in the same general direction, with the destructive path about one-half mile wide. The funnel-shaped cloud was not seen at this place, but the observers are not certain that it did not exist, as the darkness and heavy rain preceding the wind rendered it impossible to observe closely. A rotary motion of the winds, however, is clearly shown by the distribution of the débris along the path. One person was killed at Hinton and 4 were injured. The property damage at this place

was about $25,000. This storm last exhibited destructive violence at Calumet, Canadian County, where it appeared about 3.14 p. m. At this place the path was about one-half mile wide and the funnel was well defined. Three persons were killed and 4 injured. The damage is conservatively estimated at $100,000. After passing Calumet this storm apparently died out. The third storm was observed first at Rocky, Washita County, at 2 p. m. The storm traveled in a northeasterly direction with a well-defined funnel cloud, and the path of destruction was about one-half mile wide. About 50 houses were destroyed in the town and some stock was killed in the country. Two persons were injured but none was killed.

The fourth storm occurred at Elk City, Custer County, about 5.07 p. m. There were five funnel-shaped clouds, and the combined width of the paths was from 1 to 2 miles. Thirty-five buildings, 13 head of live stock, and many farm implements were destroyed. Two persons were killed and 7 injured in this locality.

The fifth storm appeared at Butler, Choctaw County, about 6.30 p. m., and moved in the anomalous direction from southeast to northwest. The funnel cloud was well defined and the path of destruction about 500 feet wide. One person was killed and 3 were injured. The property damage is estimated at $50,000 in that city and vicinity.

The sixth tornado made its appearance in the vicinity of Hobart, Kiowa County, about 8.30 p. m., reached Sentinel, Washita County, about 9 p. m., and here exhibited two funnel clouds.

The seventh tornado occurred in the vicinity of Sentinel about 1.30 a. m. of the 28th. The path was not well defined, the funnel cloud apparently dipping down and destroying a building and then lifting over several and again descending. About 60 houses were blown down, and 2 persons were killed and 2 injured. It is impossible to estimate the loss in money terms, but it was great.

Tornadoes in Kansas, April 20, 1912.—Tornadoes occurred in south-central Kansas April 20, 1912. There were three storms. The first appeared at Bison, Rush County, at 3 p. m., moving from the south-southwest to north-northeast, and there was a funnel-shaped cloud. The path of greatest destruction was about 80 yards wide. Two persons were killed and about 15 injured. The damage to property amounted to about $70,000. The second tornado made its appearance near Nashville, Kingman County, about 3.30 p. m., moving from the southwest toward the northeast and passed near Willowdale, Kingman County, about 4 p. m. The funnel-shaped cloud was visible at both places. In the vicinity of Nashville the path of greatest destruction was 250 yards wide. Two persons were injured, a few head of live stock were killed, and about 10 houses and barns were blown down. In the vicinity of Willowdale the path of greatest destruction was about 150 feet wide. Two persons were injured, and buildings worth $8,000 were destroyed. The third tornado appeared 3 miles west of Waldron, Harper County, at 4 p. m., moving from the south toward the north. The path of greatest destruction was about one-fourth mile wide. One person was killed and 8 were injured. The damage to buildings and the loss of live stock amounted to about $10,000.

CITY AND SUBURBAN TEMPERATURES.

By EDWARD D. COBERLY, Local Forecaster.

Much has been written on this subject during the last few years, and some investigators have gone so far as to assert that only temperatures reduced to what they would be if taken in the open country should be used in the construction of general isothermal charts. There can be no doubt that in the cities, where instruments are exposed on the tops of large office buildings, the temperature records are more or less affected, particularly so when the atmosphere is sluggish and winds light. The large brick and steel buildings undoubtedly absorb great quantities of heat during the day in the bright sunshine and radiate the same at night. In winter the innumerable fires must give off an appreciable amount of heat, the effects of which are shown in our temperature records. The large quantities of dust and smoke particles in the atmosphere of our cities also exercise a great influence on radiation. Moreover, as these records are usually made at heights varying from 75 to 300 feet above the ground, the nocturnal cooling of the air near the surface of the earth is not shown by them.

A brief summary of some of the results of other investigations in this field seems to be pertinent in this connection, and the following short quotations from Hann's Climatology (Ward), pages 29–30, are given:

> As a general rule, it is found that the mean annual temperature of the air in places where there are many buildings is from 0.9° to 1.8° too high. The differences are greatest in the morning and evening and least at noon. The diurnal range of temperature is smaller in cities, especially in summer.
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> The mean temperature which is usually given for Paris is 1.4° too high; and this is likewise true for Brussels, London, and other cities. The mean temperature of the city of Vienna is 49.5°, that of the surrounding country 48.6°. Hellman also took into consideration the differences in the exposure of the thermometers, and found that Berlin is 0.5° warmer than the surrounding country in winter; 1.1° warmer in spring and summer; and 0.7° warmer in autumn. The evening temperatures in Berlin, however, are 2.2° higher in spring and summer, and 1.4° higher in the mean annual.
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> In the case of Paris there was found to be a difference of +4.2° on summer nights; the temperatures are the same at noon, and the difference is +2° in the diurnal and the annual means. The city is warmer than the country by these amounts. The mean mimima are much higher in the cities, while the mean maxima may be the same as those of the country, or sometimes even lower. The cooling by radiation at night is much greater in the open than in places which are built up. Mendenhall states that during the cold waves of January, 1884, the mean minimum temperatures registered at the regular Weather Bureau stations in Toledo, Cleveland, Columbus, and Cincinnati, Ohio, were from 3.1° to 14.9° higher than those recorded at cooperative stations outside the large cities.

Prof. J. Warren Smith finds that the mean maximum temperature for the year is 0.3° higher and the mean minimum 3.3° lower at Ohio State University (a country exposure) than at the regular Weather Bureau office in the heart of the city at Columbus, Ohio. He states that the minimum temperatures are considerably lower at the university than in the city.

At New Orleans records have been kept for the last 23 years at the Louisiana Sugar Experiment Station in Audubon Park, and we shall compare these records with those of the regular Weather Bureau station in this city covering a simultaneous period. During this time all records at the regular Weather Bureau station have been made on the roof of the customhouse, about one-fourth mile from the Mississippi River and 90 feet above the street level; this station will be designated "New Orleans No. 1" in our discussion. "New Orleans No. 2," or Audubon Park, is 6 miles west of the regular Weather Bureau office and about 800 feet from the Mississippi River. The instruments are exposed in a standard shelter, 6 feet over sod, and the location is ideal, being removed from buildings and paved streets, so that the exposure may be taken as almost perfect.

It is found that the mean annual temperature is 0.6° higher at the customhouse than at the park. The monthly mean temperature is higher at station No. 1 every month, except June and July, when the excess of the mean at the park is 0.2° and 0.3°, respectively.

TABLE 1.—*Climatological data for April, 1912. District No. 7, Lower Mississippi Valley.*

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.							Precipitation, in inches.				Number of rainy days, 0.01 inch or more.	Sky.			Prevailing wind direction.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.		Number of clear days.	Number of partly cloudy days.	Number of cloudy days.		
Colorado.																				
Buena Vista	Chaffee	7,955	12	34.8	− 5.3	61	29	8	1	38	0.30	− 0.44	0.15	4.0	2	20	1	9	nw.	C. A. Short.
Calhan	El Paso	6,700	5																	H. B. Rice.
Canon City	Fremont	5,343	24	45.8	− 5.5	81	30	26	1	42	1.19	− 0.33	0.62	1.0	6	19	10	1	ne.	U. S. Weather Bureau.
Colorado Springs	El Paso	6,098	32	42.8	− 2.2	68	30	20	7	37	1.56	− 0.02	0.70	7.3	10	9	15	6		Colorado College.
Cripple Creek	Teller	1,396	11								1.19	− 0.10	0.47	22.0	9					F. G. Willis.
Cuchara Camps	Huerfano	8,200	3								4.58		1.36	44.1	10	11	16	3	sw.	G. A. Mayes.
Eads	Kiowa	4,209	5	50.4		80	4†	23	7	47	T.		T.	T.	0	13	16	1	se.	Mrs. Mattie A. Kerr.
Fairview	Custer	9,500	3								3.72		1.75	53.1	6	4	22	4		Elizabeth L. Gray.
Fremont Exp. Sta	El Paso	8,850	2	32.7		58	30	12	22	31	1.56		0.90	15.1	8	12	8	10	nw.	U. S. Forest Service.
Garfield	Chaffee	9,510	2								1.00		0.25	15.0	9	10	5	15	w.	Lloyd N. Felton.
Hamps	Elbert	5,400	19	43.5	− 1.9	77	30	14	19	45	1.13	− 0.94	0.65	8.2	5	16	6	8	n.	W. Hamp.
Hermit Lake	Custer	10,000	2								7.64		0.92	73.0	14	4	12	14	sw.	John E. Graham.
Hoehne (near)	Las Animas	5,700	20	47.4	− 1.2	77	30	17	1	49	1.40	− 0.25	0.83	2.0	5	19	7	4	w.	S. W. De Busk.
Holly	Prowers	3,380	17	51.8	− 1.5	84	5	22	7	48	0.93	− 0.79	0.48	1.0	4	14	9	7	se.	Holly Sugar Co.
La Junta	Otero	4,052									0.58		0.27	0.2	5	10	10	10	se.	R. B. Elliott.
Lake Moraine	El Paso	10,265	18	29.2	− 3.4	51	30	5	21	31	2.23	− 1.13	0.53	38.0	13	9	14	7	sw.	Clyde C. McReynolds.
Lamar	Prowers	3,592	22	52.4	− 1.4	85	30	25	7	42	1.15	− 0.75	0.75	12.5	2	23	5	2	s.	J. T. Lawless.
Las Animas	Bent	3,899	44																	F. M. Tague.
La Veta Pass	Costilla	9,000	2								1.47		0.38	15.4	5	5	16	9	w.	Clara M. Wright.
Leadville	Lake	10,248	16	28.2	− 4.1	52	7	7	22	41	0.62	− 0.98	0.19	9.1	12	8	16	6	w.	U. S. Weather Bureau.
Limon (near)	Elbert	5,360	5	43.5		76	30	16	19	43	1.40		0.60	8.0	5	13	12	5	s.	F. L. Palmer.
Madrid	Las Animas		2								1.37		0.57	1.0	6					Thomas Sawers.
Manitou	El Paso																			John Faucher.
Marshall Pass	Saguache	10,846	9								1.33		0.35	16.0	6	13	0	17		W. L. Williams.
Monument	El Paso	7,200	1	38.2		63	3†	13	7	41	1.17		0.54	9.3	5	14	11	5	e.	U. S. Forest Service.
North Lake	Las Animas	8,700	20								3.05	+ 0.54	0.56	34.0	10	20	4	6	nw.	James W. Ingmire.
Oro	Lake																			Frank A. Aicher.
Pueblo	Pueblo	4,734	24	48.8	− 1.7	81	30	24	7	48	1.21	− 0.22	0.46	5.1	7	11	17	2	se.	U. S. Weather Bureau.
Rocky Ford (near)	Otero	4,177	23																	B. K. Blinn.
St. Elmo	Chaffee	9,500	3								0.68		0.20	10.5	9	14	10	6	sw.	Daniel Clark.
Salida	do	7,035	13	39.8	− 4.3	68	29	11	1	42	0.40	− 1.40	0.24	1.7	3	24	4	2	w.	M. D. L. Buell.
Santa Clara	Huerfano	8,252	17	39.4	− 3.2	66	30	14	2	39	2.16	− 1.16	0.63	20.0	8	6	24	0		Lincoln G. Morris.
Sheridan Lake	Kiowa	4,065	10																	Howard Gamble.
Stonewall	Las Animas	8,000	6								1.28		0.44	6.4	5	10	7	13	w.	G. A. Story.
Trinidad	do	5,994	16	46.6		74	30	22	1†	37	1.32	− 0.49	0.75	2.0	5	10	11	9		Walter Dearden.
Two Buttes	Baca	4,100	1																	N. G. Jones.
Victor	Teller	10,100	8	33.2		54	30	14	13	32	0.50		0.30	9.0	2	23	6	1	w.	Fred Jones.
Vilas	Baca	3,935	21								2.30	+ 0.42	1.72	T.	3	17	6	7	sw.	Carrie Konkel.
Wayne	El Paso		1								1.10		1.10	6.0	2	14	9	7	sw.	J. C. Groff.
Westcliffe	Custer	7,864	18	39.2	− 1.9	67	29	14	19	43*	1.48	− 0.24	0.65	20.0	6	7*	10*	12*	sw.	Zack Jordan.
Winfield	Chaffee	9,765	2								0.25		0.06	4.2	9	4	16	10	w.	John G. Payne.
Woodman Sanatorium	El Paso		1	43.0		70	30	20	7	38	1.27		0.80	10.2	4	18	8	4	n.	Dr. J. E. White.
Wortman	Lake	11,250	11								1.25	− 2.05	0.30	27.5	9	4	13	13	nw.	George C. Wortman.
New Mexico.																				
Abbott	Mora	5,771	3			82	30				0.73		0.32	4.0	4	15	10	5	s.	Agent E. P. & S. W. R. R.
Albert	Union	4,700	22	53.0	− 2.8	85	30	30	8	44	1.26	+ 0.10	0.48	0	4				w.	Andrew Knell.
Aurora	Colfax	8,849	3								1.15		0.32	12.5	11	2	18	10	nw.	Miss J. Lucero.
Bell Ranch	San Miguel	4,500	13	52.8		86	30	27	2	45	0.82	− 0.64	0.29	0	6	20	3	7	w.	C. M. O'Donel.
Black Lake	Colfax	8,348	3								0.39		0.18	1.8	6	8	15	7	w.	Ralph T. Martinez.
Cabeza	San Miguel	5,406	3	49.6		81	5	30	1†	40	2.34		1.20	1.0	7	7	17	6	sw.	Agent E. P. & S. W. R. R.
Campana	do	4,493	3								0.95		0.26	0	8	22	0	8	sw.	Do.
Chacon	Mora	9,000	3								1.36		0.48	12.5	7	0	27	3	w.	Alfred Lucero.
Cimarron (near)	Colfax	6,385	8	44.8		74	30	20	22	47	0.67		0.58	0	4	10	14	6	s.	William French.
Clayton	Union	5,178	7																	Dr. W. W. Chilton.
Clovis	Curry	4,129	1																	J. H. Barry.
Cuervo	Guadalupe	4,849	3	53.1		80	11	29	1	46	0.30		0.30		1	21	1	8	sw.	Agent E. P. & F. W. R. R.
Dawson	Colfax	6,396	3								1.30		0.80	T.	2	5	21	4	se.	Do.
Elizabethtown	do	8,465	7	34.4		64	30	5	1	44	0.48		0.15	7.0	6	10	16	4	sw.	Miss M. Carrington.
Folsom	Union	6,399	12	44.6	− 2.7	76	30	19	7	40	2.04	− 0.57	0.87	9.5	7	18	7	5	sw.	David Rope.
Fort Union	Mora	6,835	52	40.8	− 6.9	73	30	15	23	45	0.67	− 0.22	0.16	2.0	6	19	7	4	w.	M. C. Needham.
Hayden	Union	4,444	2	50.8		83	30	22	7	43	2.77		1.23	1.0	7	11	18	1	sw.	James B. Dickson.
Hoosier Ranch	Mora		1								0.56		0.23	2.0	5	17	12	1	sw.	W. H. Guthman.
Johnsons Park	Colfax	6,722	3								2.15		0.95		7	7	16	7	sw.	A. J. Meloche, jr.
Kappus	Quay	4,010	1								0.79		0.30		5					A. Kappus.
Lake Alice	Colfax	7,160	3								2.86		1.30	8.0	5					John Bell.
Logan	Quay	3,851	6	54.0		88	30	29	2	45	0.98		0.50	0	3	23	6	1	sw.	John B. Reneau.
Lykins (near)	Roosevelt	5,000	2								0.90		0.40		3	20	7	3	sw.	J. G. Buchanan.
Maxwell (near)	Colfax	5,894	5								0.90		0.46		4					Dan N. Jackson.
Melrose	Curry	4,400	4								0.53		0.27	0	3					Dr. B. M. Porter.
Miami Ranch	Colfax	6,000	4	45.0		75	30	23	1†	44	0.76		0.57	0	4	5	25	0	w.	Farmers' Development Co.
Mills (near)	Mora	5,985	1								1.06		0.22	2.0	8	11	7	13	sw.	J. E. LaRue.
Montoya	Quay	4,335	3			83	30				0.45		0.25	T.	2	15	2	13	w.	Agent E. P. & S. W. R. R.
Mount Dora (near)	Union	5,600	1	47.2		80	30	17	2	41	2.20		1.20	6.0	5	5	19	6	sw.	Edward F. Grygla.
Nara Visa	Quay	4,225	6	53.0		80	26†	29	2	42	1.31		0.48	0	7	18	7	5	sw.	George Bringle.
Palo Verde	Mora	5,880	1								0.78		0.34	2.5	7	2	27	1	sw.	G. R. Abernathy.
Pasamonte	Union		3								1.58		0.52	2.0	5	16	10	4	w.	J. J. Heringa.
Pleasant View	Mora		1								1.34		0.27	3.0	8	16	13	1	sw.	R. W. Boulware.
Portales	Roosevelt	4,004	2																	Portales Irrigation Co.
Raton	Colfax	6,660	14	43.0	− 5.4	70	10	18	2	41	2.63	+ 1.42	1.20	14.5	5	17	9	4	w.	Humphrey & Wiseman.
Rociada	San Miguel	8,200	8	43.4		70	30	18	2	41	0.64		0.20	6.5	4	11	17	2	w.	J. E. Dailey.
Rosebud	Union	4,500	1								3.29		1.56	0	5					H. A. Nachtrieb.
Roy	Mora	5,884	3								0.98		0.45	2.0	5	9	19	2	sw.	Agent E. P. & S. W. R. R.
Roy (near)	do	5,880	1								0.64		0.36	2.0	3	16	14	0	sw.	Baum Bros.
San Jon	Quay	4,200	5	53.2		88	30	25	2	44	1.03		0.32	T.	6	20	4	6	sw.	Jesse T. White.
Solano	Mora	5,622	3	47.8		70	4†	24	21	39	0.90		0.32	2.5	6	21	6	3	sw.	F. M. Hughes.
Springer	Colfax	5,857	20	46.7	− 2.9	78	30	20	1	54	0.13		0.10	0	1	24	6	0	w.	Agent A., T. & S. F. R. R.
Taylor	do	5,661	3			80	30	20	2†		0.56		0.42	0.5	3	16	13	1	sw.	Agent E. P. & S. W. R. R.
Trementina	San Miguel	5,000	4								0.68		0.25	0	7	11	6	13		Miss Alice Blake.
Tucumcari	Quay	4,194	7	55.2		87	30	30	2	40	1.01		0.38	0	6	19	10	1	w.	John F. Seaman.
Valley	Union	5,000	7	52.0		79	30	29	8†	43	1.60		1.00	1.0	5	17	13	0	s.	Miss M. L. Payne.
Vance (near)	do		1								2.54		1.02	2.0	8	13	11	6	sw.	C. E. Anderson.
Vermejo Park	Colfax	7,600	7	41.4		72	27	14	2	50	0.70		0.26	1.0	4	21	4	5	w.	H. W. Adams.
Wagon Mound (near)	Mora	6,300	3	43.6		78	30	18	2	48	1.00		0.40	2.0	8	15	9	6	sw.	Guy L. Barnes.

TABLE 1.—*Climatological data for April, 1912. District No. 7*—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit. Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Precipitation, in inches. Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	Number of rainy days, 0.01 inch or more.	Sky. Number of clear days.	Number of partly cloudy days.	Number of cloudy days.	Prevailing wind direction.	Observers.
Texas.																				
Amarillo	Potter	3,676	20	54.6	0.0	89	30	31	2	39	0.72	− 1.00	0.20	T.	9	20	9	1	sw.	U. S. Weather Bureau.
Archer City	Archer		1								0.98		0.49	0	4	16	11	3	se.	Charles H. Thuman.
Arthur City	Lamar	590	20								3.35	− 0.72	1.20	0	6	15	0	15		V. V. Bright.
Bonham	Fannin	566	9	63.4		90	15	39	8	34	5.24		1.54	0	7	17	4	9	s.	H. M. Norman.
Canadian	Hemphill	2,339	5	56.9		91	30	32	1	38	2.27		0.87	0	7	11	13	6	sw.	Canadian Academy.
Childress	Childress	1,869	19								1.43	− 1.06	0.48	0	4	20	0	10	n.	George Baker.
Chillicothe	Hardeman	1,406	4								1.82		1.01	0	3					A. B. Connor.
Clarendon	Donley	2,719	7	57.9		87	10	33	7	44	2.14		0.66	0	9	15	9	6	sw.	Whitfield Carhart.
Clarksville	Red River	442	12	66.2	+ 1.7	87	15	41	2†	34	3.36	− 2.92	1.46	0	6	12	4	14		J. W. O'Neill.
Claude	Armstrong	3,397	7								1.60		1.10	0	2					Ft. W. & D. C. Ry.
Dalhart	Dallam	3,998	7	51.6		86	30	26	7	45	2.56		0.80	0	10	12	9	9	sw.	W. D. Griggs.
Denison	Grayson		12								6.36	+ 2.40	1.70	0	11	9	2	19	s.	E. B. Wilson.
Finley	Bowie		2								4.85		1.30	0	7	14	0	16	s.	Robert L. Smith.
Henrietta	Clay	915	20	63.1	0.0	99	22	40	17	52	2.34	− 0.45	1.00	0	5	16	0	14	s.	C. K. Brown.
Hereford	Deaf Smith	3,750	7																	A. C. Elliott.
Memphis	Hall	2,067	7	59.2[d]		95	30	35	1	54	1.02		0.45	0	3	26	0	4		Ft. W. & D. C. Ry.
Miami	Roberts	2,743	6	56.9		85	5†	30	7†	46	0.81		0.44	T.	3	18	9	3	s.	J. E. Kinney.
Mobeetie	Wheeler		18																	Dr. W. J. Joss.
Ochiltree	Ochiltree		4																	S. J. Allen
Panhandle	Carson	3,450	3																	J. Sid O'Keefe.
Paris	Lamar	592	23	62.2	− 1.7	88	15	39	3	38	6.39	+ 3.16	1.75	0	12	9	2	19	s.	Robert A. Miller.
Plemons	Hutchinson		5	53.7		90	30	23	7	52	2.22		0.75	0	7	13	10	7	s.	C. S. Solomon.
Quanah	Hardeman	1,563	10	62.2		96	30	37	2	42	1.50	− 0.22	0.90	0	3	14	10	6	s.	William H. Crawford.
Ringo Crossing	Hopkins		2								5.08		1.65	0	6	9	2	19	ne.	H. J. Palmer.
Romero	Hartley		2	53.4		87	30	27	7	49	0.95		0.27	T.	6	16	8	6	sw.	R. S. Chamberlain.
Sherman	Grayson	745	19																	R. A. Gibbs.
Stratford	Sherman	3,699		54.5		90	30	26	7	47	1.65		0.48	T.	9	13	10	7	s.	J. W. Elliott.
Texline	Dallam	4,694	7								2.20		1.90	3.0	2					Ft. W. & D. C. Ry.
Tulia	Swisher	3,501	14	56.0	− 0.1	95	30	28	2	49	1.06	− 0.89	0.26	T.	6	11	15	4	s.	Lou Mulhall.
Wellington	Collingsworth										1.80		0.65	0	7					J. D. Camp.
Wichita Falls	Wichita	958	20								2.15	− 0.48	0.70	0	6	13	14	3	s.	E. F. Mittmann.
Winfield	Titus		2								7.11		1.85	0	8	4	21	5	se.	J. B. Newberry.
Kansas.																				
Alden	Rice	1,684	2								0.54		0.54	0	1	17	0	13	se.	L. B. Wait.
Anthony	Harper	1,329	15	56.5		83	5	30	17	41	3.29	+ 0.16	0.75	0	9				sw.	R. H. Beebe.
Ashland	Clark	1,951	24	55.0	− 2.3	93	30	28	8	48	1.80	− 0.16	1.01	T.	8	21	6	3	s.	C. W. Carson.
Burlington	Coffey	1,010	19	55.8	− 0.8	83	12	34	7†	42	3.92	+ 0.43	1.45	0	7	0	24	6	s.	O. E. Sanford.
Chanute	Neosho	940	8	57.2		86	25	35	7†	39	5.81		1.45	0	9	6	17	7	se.	C. W. Brown.
Cimarron	Gray	2,700		53.4		85	5	27	22	45	3.28		2.77	T.	6	19	5	6	sw.	C. C. Isely.
Coffeyville	Montgomery	744		58.6		84	27	34	2	32	7.10		4.02	0	10	13	0	17	s.	A. F. Briggs.
Coldwater	Comanche	2,090	15	55.0	− 1.8	92	30	29	17	44	1.77	+ 0.22	0.98	T.	7	20	5	5	s.	J. L. Stanley.
Columbus	Cherokee	898	22	56.2	− 0.3	79	11	32	2	35	6.87	+ 2.79	3.13	1.5	10	17	4	9	s.	O. E. Skinner.
Coolidge	Hamilton	3,348	15	50.4	− 2.9	86	5	20	7	53	1.19	− 0.53	0.42	5.0	4	12	11	7	se.	W. R. Padley.
Cottonwood Falls	Chase	1,234	8	56.7		80	5	32	18	40	2.97		0.95	0	6	19	2	9	s.	E. B. Greene.
Council Grove	Morris	1,234	3	57.2[j]		82[m]	12	31[f]	7	38[m]	1.15		0.20	0	11	6	10	5	s.	J. P. Blackledge.
Cunningham	Kingman	1,680	28	55.6	− 1.1	85	5	27	17	41	2.81	+ 0.33	0.95	0	6	13	13	4	se.	W. H. Morton.
Dodge City	Ford	2,513	38	52.8	− 1.6	85	5	27	18	41	1.73	− 0.14	1.54	T.	6	12	12	6	se.	U. S. Weather Bureau.
Eldorado	Butler	1,291	10	56.5		81	12	33	24	42	5.12		2.21	0	9	18	6	6	s.	W. Y. Miller.
Ellinwood	Barton	1,790	37	54.4	− 0.9	86	5	23	17†	43	2.09	− 0.09	1.21	0	7	5	19	6	sw.	Martin Musil.
Emporia	Lyon	1,138	31	55.0	− 0.2	82	12	33	7	41	2.04	− 0.89	0.72	0	6	14	5	11	s.	W. H. Boyles.
Eureka	Greenwood	1,079	16	57.4		81	12	31	7	41	6.31	+ 3.65	3.20	0	8	12	13	5	s.	Mrs. T. C. Peffer.
Fall River	do	925	16	57.6	+ 1.3	81	12	31	8	41	5.22	+ 2.53	2.15	0	10	18	10	2	s.	J. McDaniel.
Fargo	Seward		2								2.57		1.56	2.0	3	10	18	2	s.	N. B. Swink.
Fredonia	Wilson	975	9	57.2		80	12	34	7	35	5.37		2.30	0	8	14	10	6	nw.	B. W. Holmes.
Garden City	Finney	2,836	23	52.6	− 2.0	86	5	23	7	50	2.36	+ 0.30	2.07	T.	3	12	7	11	s.	B. F. Stocks.
Great Bend	Barton	1,850	3								2.33		0.93	0	4	17	6	7	sw.	I. Pritchard.
Greensburg	Kiowa	2,235	5	54.0		90	30	27	17	43	0.95		0.75	T.	5	18	5	7	n.	C. C. Raymond.
Grenola	Elk	1,116	24	56.6	− 0.8	80	12	30	8	42	5.50	+ 2.51	1.73	0	10	15	9	6	sw.	W. H. Lawyer.
Hess	Gray	2,700	6	51.6		85	5	23	7	48	1.87		1.45	T.	5	14[a]	10[a]	5[a]	s.	Harry Jacques.
Howard	Elk	1,112	5	57.0		79	12	31	8	40	5.52		1.94	0	11	18	7	5	sw.	J. W. Eby.
Hugoton	Stevens		8	53.2		90	5	22	7	55	3.07		1.92	1.5	7	17	8	5	s.	F. A. McCoy.
Hutchinson	Reno	1,535	22	55.0	− 1.5	84	5	26	18	41	2.07	− 0.41	0.96	0	8	15	8	7	sw.	E. S. Webster.
Independence	Montgomery	800	38	57.9	− 1.0	80	12	35	2†	39	8.48	+ 4.80	3.43	0	12	13	10	7	s.	F. L. Kenoyer.
Iola	Allen	984	6	56.0	+ 1.8	80	12	35	17	37	5.70	+ 2.91	2.65	T.	12	15	7	8	s.	U. S. Weather Bureau.
Irene	Hamilton	3,440	2	50.5		87	4	22	7	51	1.94		1.05	T.	4	11	9	10	sw.	N. M. Herbig.
Jetmore	Hodgeman	2,268	11	53.0		87	5	23	18	43	2.82	+ 1.27	2.63	T.	4	7	15	8	ne.	James Aiken.
Kingman	Kingman	1,504	4	56.9		84	5	30	18	40	1.94		0.80	0	9	16	10	4	sw.	B. B. Anawalt.
La Crosse	Rush	2,061	10	54.1		89	30	19	18	43	1.14	− 0.80	1.14	0	1	14	11	5	se.	Rodney Torrey.
Lakin	Kearny	2,993	22	49.1[d]	− 5.0	83[g]	30	22	7	47[g]	2.21	− 0.06	1.55	2.0	4	14	12	4	sw.	C. H. Longstreth.
Larned	Pawnee	2,090	27	54.9		87	5	21	18	41	1.43	− 0.39	1.34	T.	3	16	7	7	n.	H. H. Wolcott.
Lebo	Coffey	1,138	26	56.0	+ 0.1	83	12	33	7	42	1.86	− 1.10	0.69	0	5	15	7	8	s.	J. J. Bowman.
Le Roy	do	990	3								4.51		1.62	0	9	12	2	16	s.	F. W. Schmitt.
Liberal	Seward	2,843	5	53.8		87	30	28	7	50	1.39		0.35	1.0	7	20	1	9	s.	Dr. R. T. Nichols.
Macksville	Stafford	2,032	28	53.0	− 1.3	89	30	23	18	42	1.16	− 1.01	0.43	0	6	17	8	5	s.	Mrs. Nella Poling.
McPherson	McPherson	1,495	23	54.8	− 0.9	81	5†	30	17	36	1.95	− 1.66	0.86	0	8	17	1	12	sw.	Ed. F. Haberlein.
Madison	Greenwood	1,074	11	54.4	− 0.7	82	12	28	17	46	3.09	− 0.24	1.04	0	6	5	19	6	se.	C. A. David.
Marion	Marion	1,310	19	56.2	− 0.6	82	5†	30	7	42	1.26	− 1.65	0.60	0	10	11	13	6	s.	Jerry Forney.
Medicine Lodge	Barber	1,259	19	56.0	− 2.4	88	5	29	17	45	3.81	+ 1.65	1.66	0	8	17	6	7	s.	S. P. Garrison.
Medora	Reno	1,484	3								2.22		1.03	0	8	12	3	15	s.	M. L. Rickenbrode.
Mount Hope	Sedgwick	1,410	15								2.30	− 0.25	0.85	0	6	17	7	6	s.	H. N. Renfrew.
Neosho Rapids	Lyon	1,092	7								2.14		0.80	0	6	20	3	7	nw.	W. H. McMullin.
Ness City	Ness	2,260	19								2.10	− 0.08	1.38	0	2					J. K. Barnd.
Newton	Harvey	1,454	15	55.8	+ 1.2	82	5	32	17	40	2.12	− 0.86	1.00	0	6	14	11	5	se.	H. A. Brush.
Norwich	Kingman	1,496	16	56.8	− 0.3	81	25†	30	18	34	3.53	+ 0.61	1.20	0	9	12	13	5	se.	N. I. Farris.
Oswego	Labette	899	18	58.0	+ 0.2	79	12†	32	2	32	6.41	+ 2.50	2.77	0	13	11	12	7	sw.	Jas. M. Currigan.
Plains	Meade	2,766	2	52.6		86	30	30	1†	45	1.88		0.51	T.	7	13	11	6		E. J. Henning.
Pratt	Pratt	1,950	17	57.0	+ 2.2	87	5	28	18	44	2.07	− 0.82	1.00	0	5	20	7	3	sw.	T. J. Arnold.
Richfield	Morton		1	51.3	− 3.7	85	10	24	7†	54	2.88	+ 1.08	1.58	1.0	6					M. J. Allen.
Rome	Sumner	1,218	26	56.6	− 1.2	81	11	32	18†	46	5.35	+ 2.16	1.33	0	9	16[a]	7[a]	6[a]	s.	D. M. Adams.
Sedan	Chautauqua	834	27	57.4	+ 0.1	81	12	34	19	42	7.43	+ 4.16	3.24	0	11	14	10	6	s.	A. Y. Buckles.
Toronto	Woodson	1,040	15	57.6	+ 3.1	83	12	32	8	45	5.77	+ 2.63	2.05	0	7	18	6	6	s.	M. A. Webb.
Ulysses	Grant	3,027	21	52.6[d]	− 1.1	85	4†	25	7	48	2.30	+ 0.62	1.50	2.5	5	15	9	6	sw.	T. W. Marshall.
Walnut	Crawford	940	10	56.6[d]	+ 0.1	79	12	36	7	34	9.44		3.34	0	11	15[c]	5[c]	7[c]	sw.	R. C. Harlan.
Wellington	Sumner	1,225	16	57.3	− 0.4	81	11†	27	18	43	3.86	+ 0.65	0.90	0	11	15	4	11	s.	E. O. G. Kelley.
Wichita	Sedgwick	1,377	25	54.7	− 1.9	78	30	32	18	31	3.87	+ 1.18	2.14	0	9	10	12	8	s.	U. S. Weather Bureau.
Winfield	Cowley	1,124	18	56.9	0	82	12	33	8	39	5.92	+ 2.96	2.19	0	8	18	5	7	s.	M. B. Light.
Yates Center	Woodson	1,068	33	54.8	− 0.7	80	12	31	13†	47	5.26	+ 2.36	1.56	T.	12	14	10	6	n.	J. W. Tipton.

TABLE 1.—*Climatological data for April, 1912. District No. 7*—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit. Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Precipitation, in inches. Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	Number of rainy days, 0.01 inch or more.	Sky. Number of clear days.	Number of partly cloudy days.	Number of cloudy days.	Prevailing wind direction.	Observers.
Oklahoma.																				
Ada	Pontotoc	1,001	4	60.7	.....	83	24	38	17	34	4.59	.....	1.57	0	10	13	7	10	s.	W. S. Creveling.
Alva	Woods	1,350	7	57.3	.....	87	30	31	17	38	2.41	.....	0.50	2.0	6	12	12	6	s.	S. A. Stech.
Apache	Caddo	1,255	2	60.9	.....	89	30	33	17	39	2.07	.....	0.54	0	7	20	7	3	sw.	G. D. Teeter.
Arapaho	Custer	1,575	18	59.8	+ 0.3	90	25	32	8†	42	2.58	− 0.30	1.43	0	5	21	2	7	s.	J. C. Brower.
Ardmore	Carter	872	10	62.0	+ 0.3	85	24†	40	2†	35	4.26	+ 0.72	1.60	0	11	11	6	13	n.	H. T. Nisbett.
Arnett	Ellis	2,136	8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	C. H. Holmes.
Bartlesville	Washington	687	4	58.2	.....	81	12	35	18	37	8.69	.....	2.60	0	10	20	4	6	sw.	Dr. A. P. Owens.
Beaver	Beaver	2,500	15	55.6	− 2.0	95	27	30	7†	48	1.69	− 0.50	0.76	6.2	6	25	1	4	s.	W. C. Frazer.
Blackburn	Pawnee	800	10	60.2	+ 0.2	84	12	33	8	38	8.36	+ 3.92	4.70	0	10	23	6	1	sw.	M. M. Rhodes.
Cache	Comanche	1,350	6	60.3	.....	90	....	28	....	42[a]	0.96	.....	0.32	0	5	15	10	5	n.	Mrs. Frank Rush.
Calvin	Hughes	713	7	.....	.....	....	....	....	....	....	6.90	.....	3.11	0	12	12	0	18	s	Thomas Purcell.
Chandler	Lincoln	865	10	.....	.....	....	....	....	....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Chas. L. Kern.
Chattanooga	Comanche	1,150	6	62.2	.....	89	30	36	8	36	1.91	.....	0.75	0	5	10	15	5	s.	Squire Humble.
Chickasha	Grady	1,091	10	.....	.....	....	....	....	....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	J. C. Good.
Cloud Chief	Washita	1,400	10	62.1	+ 2.2	87	30	31	8	41	3.60	+ 0.82	1.65	0	5	14	10	6	ne.	J. P. Stutzman.
Crawford	Roger Mills	.....	....	69.6	.....	93	30	48	18	27	3.00	.....	1.20	0	5	.....	.....	.....	s.	W. O. Horr.
Durant	Bryan	643	10	60.8	− 0.7	88	26	40	3†	35	3.60	− 0.08	1.25	0	9	15	8	7	s.	Nelson Houk.
Eldorado	Jackson	1,456	5	61.6	.....	96	....	34	....	43[a]	1.87	.....	0.65	0	5	13[a]	15[a]	1[a]	se.	T. W. Lanham.
Elk City	Beckham	.....	....	59.2	.....	87	25†	32	7	47	4.04	.....	3.04	0	4	23	0	7	s.	R. J. Carlile.
El Reno	Canadian	1,400	20	60.8	+ 0.6	86	11†	33	17	40	4.19	+ 0.98	1.85	0	8	15	9	6	s.	Rose E. Walker.
Enid	Garfield	1,269	10	58.1	+ 0.2	84	12	32	18	38	10.01	+ 7.37	8.30	0	6	19	6	5	s.	Uri B. Worcester.
Erick	Beckham	2,058	7	.....	.....	....	....	....	....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	A. W. Hanes.
Eufaula	McIntosh	566	....	61.6	.....	92	19	33	8	45	6.12	.....	3.73	0	7	16	8	6	s.	R. Uhl Brown.
Fairland	Ottawa	839	12	58.9	+ 1.1	82	12†	33	2	37	6.21	+ 2.54	2.28	T.	10	7	19	4	s.	C. W. Prier.
Fort Gibson	Muskogee	556	7	.....	.....	....	....	....	....	....	4.56	.....	1.05	0	12	11	1	18	s.	John T. Welsh.
Frederick	Tillman	1,293	5	62.8	.....	95	25†	33	17	42	1.37	.....	0.51	0	4	14	13	3	se.	B. B. Bradley.
Geary	Blaine	1,546	....	59.8	.....	92	26	31	17	41	4.12	.....	1.57	0	9	23	5	2	s.	O. P. Ruth.
Goodwell	Texas	3,300	1	53.4	.....	84	30	23	13	52	1.32	.....	0.40	1.0	4	20	0	10	s.	S. W. Black.
Guthrie	Logan	1,000	19	60.7	− 1.0	84	11	34	17	42	4.80	+ 1.67	2.85	0	7	19	4	7	s.	S. E. Snyder.
Guymon	Texas	3,133	2	.....	.....	....	....	....	....	....	1.70	.....	0.60	T.	6	25	3	2	sw.	A. L. Mordt.
Hartshorne	Pittsburg	700	13	63.6	+ 1.7	85	24†	36	8	37	2.27	− 1.93	0.65	0	10	18	7	5	s.	Frank Webber.
Healdon	Carter	900	18	62.4	− 0.3	85	24†	31	8	40	5.44	+ 1.80	2.05	0	9	10	15	5	s.	C. H. Heald.
Helena	Alfalfa	1,396	4	59.1	.....	85	26	35	1	41	3.95	.....	1.05	0	8	17	11	2	s.	R. E. Ellis.
Hennessy	Kingfisher	1,166	17	59.0	− 1.5	84	....	32	....	36[b]	4.38	+ 1.69	2.25	0	5	11	17	2	s.	Mrs. M. C. Parks.
Hobart	Kiowa	1,396	9	59.8	.....	91	....	33	....	39[a]	5.02	.....	4.26	0	6	7[a]	18[a]	4[a]	s.	Rev. J. E. Black.
Holdenville	Hughes	900	11	59.5	+ 0.2	83	24	38	17	35	4.93	+ 1.52	1.32	0	10	15	9	6	s.	Eula L. Rutherford.
Hooker	Texas	3,038	6	53.8	.....	88	30	25	7	47	1.65	.....	0.59	0	6	8	3	19	s.	H. N. Kelly.
Hurley	Cimarron	4,200	4	51.8	.....	86	....	31	....	42[a]	0.78	.....	0.66	T.	2	12	6	12	sw.	Dr. C. W. Meyers.
Idabel	McCurtain	474	3	.....	.....	....	....	....	....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	M. L. Henderson.
Jefferson	Grant	1,062	18	57.1	− 1.2	84	30	31	8	44	4.40	+ 1.64	1.48	0	8	15	12	3	s.	T. E. Beck.
Kenton	Cimarron	4,000	11	51.8	− 1.4	85	30	24	7	45	1.10	− 0.68	0.39	2.0	8	14	9	7	n.	Wm. M. Guy.
Kingfisher	Kingfisher	1,046	15	60.4	+ 0.1	84	11†	33	8	45	4.67	+ 1.71	2.97	0	13	12	16	2	s.	J. C. Cross.
Lawton	Comanche	1,111	....	.....	.....	....	....	....	....	....	2.60	.....	1.02	0	7	13	15	2	s.	F. C. Davis.
McAlester	Pittsburg	698	15	62.6	.....	86	24	37	8	37	4.58	+ 0.39	1.23	0	11	15	1	14	s.	Wm. Noble.
Mangum	Greer	1,585	19	60.7	− 1.4	95	30	34	8†	46	5.65	+ 3.45	5.22	0	5	23	1	6	se.	F. D. Dodson.
Marlow	Stephens	1,292	11	61.3	+ 0.7	86	30	37	8	35	4.34	+ 0.63	1.10	0	8	12	3	5	se.	Wm. B. Anthony.
May	Harper	.....	....	56.4[d]	.....	95	....	26	....	50[d]	2.27	.....	1.10	5.0	4	15[d]	2[d]	9[d]	s.	G. C. Gray.
Meeker	Lincoln	1,030	18	61.2	+ 0.5	87	1	34	8	45	3.74	+ 0.01	1.32	0	6	19	3	8	s.	Dr. J. H. Baugh.
Muskogee	Muskogee	614	13	61.4	+ 1.3	83	24	35	18	33	4.41	+ 0.53	1.40	0	6	14	3	13	n.	J. Harry Randall.
Mutual	Woodward	.....	4	56.2	.....	90	11	30	1†	42	2.30	.....	1.29	0	4	19	5	6	s.	Thos. Martin.
Neola	Caddo	1,500	6	60.3	.....	89	25	32	8	37	2.55	.....	1.70	0	9	14	14	2	s.	R. N. Schooling.
Newkirk	Kay	1,149	14	59.3	+ 0.5	83	12†	33	17†	40	6.35	+ 3.55	2.10	0	9	15	9	6	s.	P. H. Albright & Co.
Norman	Cleveland	1,171	17	59.6	− 1.3	85	30	34	8	38	2.48	− 0.81	0.66	0	9	13	15	2	s.	S. E. Boyd.
North Muskogee	Muskogee	.....	....	.....	.....	....	....	....	....	....	4.47	.....	1.11	0	9	14	2	14	s.	J. E. Walker.
Oakwood	Dewey	1,854	2	55.6	.....	88	25	27	8	36	5.26	.....	3.15	0.5	10	21	4	5	s.	Dr. F. P. Osborn.
Okeene	Blaine	1,194	7	59.6	.....	88	25	32	17	50	6.50	.....	3.85	0	10	22	6	2	s.	Dr. L .H. Murdoch.
Oklahoma	Oklahoma	1,247	22	58.8	− 0.8	81	30	35	2	33	2.81	+ 0.01	1.04	0	8	11	14	5	s.	U. S. Weather Bureau.
Okmulgee	Okmulgee	752	7	63.1	.....	84	....	38	....	35[b]	2.83	.....	0.93	0	5	12	5	13	s.	J. L. Maynard.
Pauls Valley	Garvin	880	11	.....	.....	....	....	....	....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	A. M. Foss.
Pawhuska	Osage	918	11	60.6	+ 2.0	87	20	34	2†	43	8.82	+ 5.58	4.35	0	7	17	8	5	s.	R. C. Block.
Perry	Noble	920	13	59.6	+ 0.5	85	25	33	17	44	8.25	+ 4.65	7.03	0	8	12	13	5	se.	G. C. Wollard.
Rankin	Roger Mills	2,200	8	.....	.....	....	....	....	....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	T. Compton.
Ravia	Johnston	796	9	62.1	.....	85	24†	35	3†	33	1.42	.....	0.53	0	5	14	3	13	s.	R. G. Guptill.
Sac and Fox Agency	Lincoln	900	18	60.6	+ 0.3	82	24	37	18	36	4.07	+ 1.05	1.70	0	7	15	7	8	s.	M. R. Gayle.
Shawnee	Pottawattomie	1,041	10	58.2	− 3.3	82	30	35	17	36	3.92	+ 0.57	1.25	0	12	9	12	9	nw.	Mrs. Kate Chatman.
Snyder	Kiowa	1,356	5	62.0	.....	93	30	37	17	41	2.19	.....	0.62	0	6	15	13	2	sw.	Dr. W. C. Woodard.
Stillwater	Payne	880	19	59.4	+ 0.2	84	30	35	17†	41	6.54	+ 3.05	5.18	0	11	18	8	4	se.	A. R. Evans.
Tulsa	Tulsa	700	23	60.2	.....	83	12†	36	8†	35	5.94	+ 2.45	3.04	0	11	13	11	6	n.	Dr. H. M. Hutchinson.
Vinita	Craig	698	8	59.2	.....	81	....	34	....	35[b]	8.61	.....	4.09	0	8	19[b]	0[b]	9[b]	sw.	W. C. Chamberlain.
Wagoner	Wagoner	588	15	59.1	0.0	84	30	33	18	37	7.90	+ 4.22	2.00	0	8	14	0	16	s.	S. L. Hatfield.
Waukomis	Garfield	1,258	15	58.7	− 0.4	88	12	33	8	39	8.87	+ 5.88	4.15	0	7	17	12	1	se.	R. C. Shades.
Waurika	Jefferson	988	1	62.0	.....	89	30	36	8	37	2.27	.....	0.89	0	7	14	9	7	s.	B. A. Swindler.
Weatherford	Custer	1,639	10	58.6	− 0.2	89	25	32	17	42	2.95	+ 0.25	2.33	0	7	15	6	9	n.	Eugene Forbes.
Webbers Falls	Muskogee	479	13	60.8	+ 0.8	89	24	32	18	44	4.24	+ 0.49	2.20	0	5	7	14	9	sw.	B. D. Boulineau.
Whiteagle	Kay	945	8	59.3	.....	82	12†	32	17	38	7.59	.....	2.50	0	10	19	4	7	ne.	J. M. Dankwardt.
Woodward	Woodward	1,893	9	57.0	.....	91	30	29	2†	41	1.63	.....	0.57	0	7	21	6	3	s.	R. A. Boyle.
Wyandotte	Ottawa	.....	....	.....	.....	....	....	....	....	....	6.06	.....	2.00	0	10	9	4	17	sw.	Henry Hicks.
Missouri.																				
Belle	Maries	.....	21	55.2	+ 0.8	80	5†	32	7†	34	7.68	+ 3.60	1.83	0	13	6[b]	14[b]	8[b]	s.	A. J. Wofford.
Birchtree	Shannon	1,200	19	57.2	+ 0.3	82	15	35	8	35	6.84	+ 2.17	1.98	0	13	13	6	11	s.	V. H. Kirkendall.
Cape Girardeau	Cape Girardeau	305	8	.....	.....	....	....	....	....	....	7.31	.....	2.00	0	13	12	6	12	s.	D. L. Albert.
Cardwell	Dunklin	.....	1	62.7	.....	84	15	40	8	32	9.94	.....	3.15	0	10	17	8	5	s.	E. M. Perry.
Caruthersville	Pemiscot	.....	21	65.3	+ 6.0	97	15	38	3	44	12.18	+ 8.31	3.00	0	12	14	6	10	e.	H. E. Averill.
Cassville	Barry	.....	2	55.5	.....	80	24	26	8	41	6.12	.....	3.30	T.	11	15	4	11	se.	Mrs. Zuma Bloomer.
Dean	McDonald	.....	14	57.1	− 0.3	82	30	28	8	42	7.68	+ 3.38	3.35	0	14	19	4	7	s.	H. E. Dean.
Doniphan	Ripley	440	9	59.4	.....	86	15	33	8	39	11.16	.....	2.52	0	15	16	1	13	s.	W. W. Martin.
Gano	Dent	.....	9	57.8	.....	89	11†	30	8	40	7.75	.....	2.50	0.3	15	14	5	11	s.	A. C. Leech.
Goodland	Iron	900	8	55.9	.....	80	14	26	8	41	9.56	.....	3.20	0	10	9	12	9	s.	F. M. Adams.
Hollister	Taney	1,000	3	55.6	.....	82	5†	32	8	44	7.12	.....	2.00	0	11	18	0	12	sw.	W. P. Chapmann.
Ironton	Iron	925	35	56.6	+ 1.2	82	15	29	8	40	11.68	+ 7.30	4.50	T.	13	6	11	13	s.	W. H. Delano.
Jackson	Cape Girardeau	458	22	58.9	+ 2.4	84	15	34	8	35	6.12	+ 1.58	2.25	0	9	12	5	13	s.	L. M. Bean.
Joplin	Jasper	979	33	60.2	+ 1.9	85	12	32	2	38	7.59	+ 3.82	2.25	0	12	17	0	13	s.	Miss Ruth Smith.

TABLE 1.—*Climatological data for April, 1912. District No. 7*—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit. Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date	Greatest daily range.	Precipitation, in inches. Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	Number of rainy days, 0.01 inch or more.	Sky. Number of clear days.	Number of partly cloudy days.	Number of cloudy days.	Prevailing wind direction.	Observers.
Missouri—Continued.																				
Koshkonong	Oregon	911	12	59.2	+ 2.1	86	15	37	8†	33	7.84	+ 3.00	1.85	0	16	9	10	11	se.	J. W. Hitt.
Lamar	Barton	964	32	57.5	+ 0.6	80	13	32	3	35	6.69	+ 2.58	2.52	T.	10	11	10	9	sw.	E. H. Adams.
Marble Hill	Bollinger	420	21	56.8	+ 0.8	85	15	30	8	38	6.25	+ 1.69	2.00	0	8	10[a]	12[a]	7[a]	s.	A. F. Hendrix.
Mountaingrove	Wright	1,490	14	55.8	+ 1.5	77	21	33	18	30	7.44	+ 3.27	1.67	T.	14	8	7	15	s.	Mo. Fruit Exp. Sta.
Mount Vernon	Lawrence	1,480	32	56.5	+ 0.9	80	11†	33	2†	38	8.03	+ 4.57	4.00	T.	11	11	10	9	sw.	J. R. White & Son.
Neosho	Newton	1,023	30	58.1	− 0.1	81	30	31	8	41	8.24	+ 4.17	3.41	0.5	14	14	6	10	sw.	W. O. Buck.
New Madrid	New Madrid	285	19								8.50	+ 4.33	2.66	0	10	14	4	12	s.	Miss Josie Smith.
Oakfield	Franklin	793	21	57.1	+ 1.2	80	5†	34	3†	29	8.26	+ 4.06	1.75	0	13	7	12	11	sw.	E. E. Steines.
Olden	Howell	1,246	23	57.1	+ 0.2	82	15	33	8	38	6.85	+ 2.20	1.70	0	9	8[c]	11[c]	8[c]	sw.	J. D. Evans.
Rolla	Phelps	1,139	32	57.4	+ 2.9	79	11	32	2	38	6.96	+ 2.59	2.12	2.0	13	15	4	11	sw.	Prof. P. J. Wilkins.
Springfield	Greene	1,350	24	55.4	0.0	79	13	32	2	29	5.57	+ 2.01	2.15	0.5	13	14	7	9	se.	U. S. Weather Bureau.
Kentucky.																				
Blandville	Ballard	445	31	60.0	+ 2.8	81	15	39	8†	26	7.81	+ 3.62	1.72	0	13	7	11	12	sw.	E. W. Horr.
Tennessee.																				
Arlington	Shelby		30	61.0	+ 2.4	82	15	38	8	34	11.15	+ 7.18	4.20	0	10	11	6	13	s.	A. Thomas B. Etheridge.
Bolivar	Hardeman	450	25	60.8	+ 1.4	82	14	37	3†	38	13.90	+ 9.32	5.35	0	10	16	1	13	s.	Miss Mary A. Smith.
Brownsville	Haywood	361	27	62.4	+ 2.1	82	14	38	8	32	10.36	+ 5.66	2.40	0	14	10	7	13	s.	Miss Hattie N. Moses.
Covington	Tipton	311	25	61.0	+ 0.9	79	14†	39	8	29	9.93	+ 5.52	2.00	0	10	12	1	17	s.	James S. Ruffin.
Dyersburg	Dyer	310	29	62.2	+ 2.4	80	5†	41	8	33	6.35	+ 1.08	1.60	0	9	16	0	14	se.	Miss Martha A. Sinclair.
Jackson	Madison	450	19	62.0	+ 1.5	83	11	33	7	36	10.04	+ 4.87	2.80	0	8	9	11	10	s.	Shelby A. Robert.
Kenton	Obion	325	10	61.0	+ 2.4	81	14†	38	3†	32	10.21	+ 4.95	2.60	0	18	7	10	13	se.	George S. Martin.
Memphis	Shelby	409	41	62.6	+ 0.8	81	14	45	8	22	8.01	+ 3.18	2.44	0	12	11	4	15	s.	U. S. Weather Bureau.
Milan	Gibson	440	29	60.6	+ 1.2	81	11†	39	3†	35	10.15	+ 5.43	2.30	0	11	8	2	20	s.	Orlando F. Cantwell.
Trenton	do	345	29	62.6	+ 3.1	82	14†	37	9	37	9.00	+ 4.43	2.17	0	12	11	7	12	sw.	F. L. Dennison.
Union City	Obion	360	14	61.4	+ 3.5	83	15	36	8	33	12.02	+ 7.86	2.47	0	14	11	7	12	s.	J. B. Kimzey.
Arkansas.																				
Alicia	Lawrence		8	63.5[g]		89	25	41	23	36[g]	6.77		3.40	0	10					McCullough and Guelck.
Amity	Clark	250	20	64.4	+ 1.9	90	15	38	8†	40	9.40	+ 4.53	2.00	0	9	9	13	8	w.	J. W. Campbell.
Arkadelphia (near)	do	250	5	64.2		87	15	39	18	35	9.16		2.09	0	17	11	8	11	sw.	J. A. Ross.
Arkansas City	Desha	145	29								10.98	+ 7.20	2.40	0	12					W. C. Blundell.
Batesville	Independence	271	7								6.84		2.10	0	12					Lelia S. Teter.
Bee Branch	Van Buren		20	63.0[d]	+ 2.0	90	15	38	3	45[e]	8.05	+ 4.28	3.70	0	10					J. E. Scanlan.
Benton	Saline	283	5	61.2		90	15	30	4	47[a]	9.76		2.13	0	10	14	5	11	s.	P. B. Jackson.
Bentonville	Benton	1,303	7	57.7	+ 0.8	79	12	34	2	35	7.54	+ 3.65	3.01	0	12	16	6	8	s.	U. S. Weather Bureau.
Bergman	Boone	1,324	15	53.9	− 3.2	80	26	26	1	42	6.70	+ 2.87	2.28	0	11	13	4	13	se.	John T. Maxey.
Black Rock	Lawrence	259	8								8.40		3.05	0	12					S. J. Howe.
Brinkley	Monroe	226	26	64.0	+ 2.3	84	15	38	8	35	9.44	+ 4.91	1.81	0	12	10	7	13		H. L. D. Whitson.
Calico Rock	Izard	361	8								8.06		3.50	0	7					W. H. Stoner.
Camden	Ouachita	158	27	64.5	+ 0.9	84	13†	37	3	37	8.06	+ 3.50	1.73	0	14					R. K. Quarterman.
Centerpoint	Howard	470	12	63.9	+ 0.9	91	15	37	3†	38	8.47	+ 3.41	2.05	0	11	8	7	15	se.	J. M. Huddleston.
Clarendon	Monroe	171	8								11.96		4.30	0	14					Mrs. B. E. Bishop.
Conway	Faulkner	309	29	62.3	0.0	89	15	38	8	39	5.79	+ 2.04	2.65	0	10	9	12	9	s.	G. H. Burr.
Corning	Clay	293	20	62.2[f]	+ 3.1	86	15	37	8	33[f]	9.59	+ 5.41	2.31	0	15				s.	Jacob Brobst.
Dardanelle	Yell	330	26	61.4		92	15	36	8	45	6.55	+ 2.83	2.12	0	11					A. Bernard.
Dodd City	Marion	1,175	31	59.1	− 1.2	83	26	31	8	41[a]	5.92	+ 2.01	1.60	0	9				s.	Neal Dodd.
Dutton	Madison		10	56.2	+ 0.1	84	15	26	8	43[a]	7.60	+ 2.59	2.75	0	13				s.	J. M. Ricketts.
Eldorado	Union	265	8	64.0		85	13†	39	3	37	8.54		2.34	0	13					J. J. Babb.
England	Lonoke		6	62.2		84	15	38	8	34[e]	10.87		2.80	0	12				s.	J. C. Chenault.
Eureka Springs	Carroll	1,465	10	60.4	+ 2.4	84	13†	31	8	37	7.20	+ 2.24	1.49	0	13	6	14	10	sw.	George W. Nichoalds.
Fayetteville	Washington	1,451	23	59.4	+ 0.6	81	24†	33	8	36	6.67	+ 2.28	1.62	0	14	9	14	7	sw.	University of Arkansas.
Fordyce	Dallas			64.6		85	15	38	3	35	8.58		2.14	0	13	7	10	13	s.	A. Tredick.
Fort Smith	Sebastian	481	30	62.0	+ 0.3	85	26	39	18	34	2.60	− 1.30	0.47	0	8	8	10	12	e.	U. S. Weather Bureau.
Frazier's Turnpike	Pulaski										11.18		2.45	0	12	5	8	17	s.	R. E. Brown.
Fulton	Hempstead	264	8								7.54		2.10	0	12					B. C. Logan.
Hardy	Sharp	643	14	60.2	+ 2.1	89	15	38	8	33	8.73	+ 4.71	3.90	0	16	2	13	15	sw.	C. A. Caywood.
Helena	Phillips	182	27																	B. F. Modisett.
Hot Springs	Garland	600	20	63.0	+ 0.5	90	15	37	6	38	11.86	+ 6.44	2.47	0	12	16	3	11	sw.	Army and Navy Gen. Hosp.
Huttig	Union	85	5	66.3		85	13	38	3	34	4.30		0.87	0	15	4	25	1		C. A. Berry.
Jonesboro	Craighead	345	17	63.4	+ 1.4	93	15	41	3†	44	9.19	+ 5.23	4.71	0	13	1	25	4	s.	Benedictine Sisters.
Junction	Union		19	67.2	+ 4.0	89	27	37	3	39	3.51	− 1.15	1.08	0	6	10	6	14	se.	J. A. Lowderback.
Lake Farm	Jefferson	195	5	63.0		83	13†	36	3	35	10.08		2.80	0	12	13	11	6	s.	R. H. Gillispie.
Lewisville	Lafayette	262	9	64.5[e]		88	15	39	3†	37[e]	5.56		0.89	0	11					F. W. Youmans.
Little Rock	Pulaski	357	33	62.8	+ 0.1	84	13	42	3	30	10.76	+ 6.25	2.28	0	15	9	10	11	e.	U. S. Weater Bureau.
Lutherville	Johnson	775	15	60.7	+ 1.7	88	15	34	8	34	5.40	+ 1.49	2.00	0	11	8	17	5	sw.	W. R. Hentchel.
Malvern	Hot Springs	277	25	62.8	+ 0.9	90	15	37	3	38	10.31	+ 6.22	3.10	0	14					Miss L. C. Smith.
Mammoth Spring	Fulton	512	8	59.9		89	15	32	8	46	8.51		2.27	0	15	8	13	9		F. Wallick.
Marked Tree	Poinsett	229	8																	L. Smith.
Mena	Polk	1,100	26	61.1	− 1.3	87	15	38	9†	37	8.27	+ 3.49	3.15	0	15	11	9	10	sw.	R. R. St. John.
Newport	Jackson	231	28	61.6	− 0.1	88	15	34	2	35[b]	6.61	+ 2.11	2.10	0	8					Charles Sprigg.
Ozark	Franklin	377	21																	R. M. Adams.
Pine Bluff	Jefferson	215	24	63.0	− 0.6	85	15	38	3	36	8.95	+ 4.35	3.00	0	12					J. M. Hudson.
Pocahontas	Randolph		20	61.6	+ 2.3	89	15	36	8	39	10.01	+ 5.86	2.50	0	15	11	9	10		Benedictine Sisters.
Pond	Benton	1,250	15	58.1	+ 2.2	81	30	29	8†	40	6.40	+ 2.72	1.97	T.	12	5	14	11	sw.	A. F. Stevens.
Portland	Ashley	122	3	64.8		84	13†	40	3	34	6.15		.85	0	13					T. A. Corson.
Prescott	Nevada	327	24	62.6	− 0.6	88	15	38	3†	40	7.67	+ 2.89	1.87	0	14					A. M. Ellsworth.
Rogers	Benton	1,385	21	58.5	+ 0.3	80	13†	31	8	45	6.27	+ 1.96	1.88	T.	11	10	8	12	s.	Carl A. Stark.
Springbank	Miller	182	4								7.87		1.23	0	14					G. Field.
Stuttgart	Arkansas	495	25	63.7	+ 1.1	82	11†	39	8	33	12.94	+ 8.65	3.16	0	16	13	7	10	sw.	H. A. Buerkle.
Subiaco	Logan	1,050	15	61.8	+ 1.1	88	15	38	18	38	3.60	+ 0.16	1.29	0	11	13	5	12	sw.	New Subiaco Abbey.
Swain	Newton	2,300		56.6		80	15	34	18	29	8.22		2.45	0	14	9	10	11	s.	George Paxton.
Texarkana	Miller	332	28	63.4	− 0.2	90	15	37	3	38	6.30	+ 2.05	1.15	0	10					D. E. Moore.
Warren	Bradley	304	17	64.1	+ 1.8	87	13	38	3	36	12.85	+ 7.85	2.35	0	13					W. J. Savage.
Whitecliffs	Little River	206	8								12.42		3.62	0	12					John E. Payton.
Wiggs	Garland		19	61.2	0.0	88	15	32	8	43	10.17	+ 5.70	2.17	0	16	9	13	8	sw.	S. D. Jester.
Wynne	Cross	250	4	60.8		83	15	34	8	33	7.59		1.66	0	11					John Seals.

TABLE 1.—*Climatological data for April, 1912. District No. 7*—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit. Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Precipitation, in inches. Total.	Depart from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	Number of rainy days, 0.01 inch or more.	Sky. Number of clear days.	Number of partly cloudy days.	Number of cloudy days.	Prevailing wind direction.	Observers.
Mississippi.																				
Anguilla	Sharkey	107	4	66.8	.....	85	28	40	3	30	11.73	.....	3.05	0	15	10	10	10	se.	E. W. Cook.
Austin	Tunica	200	16	63.6	+ 1.6	81	15†	40	10	33	10.84	+ 6.70	2.16	0	14	14	8	8	s.	H. J. Irvine.
Batesville	Panola	230	25	63.2	+ 1.4	87	14	38	3	36	9.61	+ 5.39	3.46	0	13	9	5	16	w.	J. M. Cox.
Big Creek	Calhoun	.....	.....	63.8	.....	84	11†	35	3	39	8.91	.....	3.76	0	9	.....	.....	.....	s.	J. P. Havens.
Byhalia	Marshall	390	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Tallahatchie Drainage Co.
Canton	Madison	228	22	66.6	+ 1.8	87	28	40	3	33	8.01	+ 3.89	2.30	0	14	4	19	7	se.	Dr. G. W. Smith-Vaniz.
Charleston	Tallahatchie	.....	2	66.8	.....	92	26	34	3	44	8.90	.....	2.20	0	14	11	6	13	s.	W. B. Burke.
Clarksdale	Coahoma	177	5	63.0	.....	83	11†	40	8†	35	8.25	.....	1.73	0	13	9	1	20	se.	A. C. Tuttle.
Cleveland	Bolivar	160	.....	.....	.....	.....	.....	.....	.....	.....	9.73	.....	2.37	0	11	23	0	7	.....	W. W. Boone.
Coffeeville	Yalobusha	241	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Tallahatchie Drainage Co.
Corinth	Alcorn	470	24	61.8	+ 2.7	82	14	37	8	33	8.24	+ 3.36	1.84	0	14	10	2	18	se.	M. A. Candler.
Crenshaw	Panola	187	3	.....	.....	.....	.....	.....	.....	.....	9.11	.....	2.86	0	17	9	12	9	sw.	Tallahatchie Drainage Co.
Denmark	Lafayette	.....	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Do.
Duck Hill	Montgomery	.....	13	63.4	+ 0.6	85	28	36	3	39	14.58	+ 9.63	4.47	0	15	11	11	8	s.	W. H. Eskridge.
Edwards	Hinds	222	25	66.4	+ 0.3	87	26†	40	3	34	10.79	+ 6.40	2.45	0	13	11	16	3	s.	E. F. Farr.
Enid	Tallahatchie	.....	3	.....	.....	.....	.....	.....	.....	.....	7.83	.....	2.20	0	8	.....	.....	.....	s.	Tallahatchie Drainage Co.
Fayette	Jefferson	270	10	67.3	+ 1.5	88	27	38	3	35	6.26	+ 0.18	1.98	0	9	12	11	7	s.	T. L. Darden.
Greenville	Washington	126	25	64.5	0.0	83	11†	39	3	33	9.29	+ 5.29	3.49	0	13	13	0	17	se.	F. L. Harbison.
Greenwood	Leflore	140	12	65.4	+ 2.4	86	28	40	3	35	16.51	+12.76	5.28	0	13	13	3	14	se.	J. H. Stephen.
Grenada	Grenada	194	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Tallahatchie Drainage Co.
Hernando	De Soto	391	24	62.6	+ 1.0	82	11†	38	8	35	10.82	.....	2.94	0	9	12	3	15	s.	W. F. Wood.
Hickory Flat	Benton	435	3	.....	.....	.....	.....	.....	.....	.....	5.47	.....	2.10	0	8	13	17	0	s.	Tallahatchie Drainage Co.
Holly Springs	Marshall	600	25	61.5	− 0.2	81	14	39	8	29	8.86	+ 3.96	2.58	0	12	11	2	17	se.	L. B. Mosby.
Kosciusko	Attala	430	22	64.4	+ 1.0	85	11†	38	3	35	10.10	+ 6.21	2.30	0	15	14	7	9	se.	E. L. Lucas.
Lake Cormorant	De Soto	206	3	.....	.....	.....	.....	.....	.....	.....	10.71	.....	3.15	0	15	7	17	6	nw.	Tallahatchie Drainage Co.
Lula	Coahoma	182	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Do.
Malone	Marshall	.....	3	.....	.....	.....	.....	.....	.....	.....	9.49	.....	2.58	0	12	.....	.....	.....	.....	Do.
Marks	Quitman	163	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Do.
Natchez	Adams	206	24	68.6	+ 1.2	90	27	40	3	32	7.78	+ 3.09	2.35	0	10	8	5	17	se.	F. L. Garrity.
New Albany	Union	398	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Tallahatchie Drainage Co.
Pontotoc	Pontotoc	475	23	62.4	+ 0.4	82	14	39	3	33	10.92	+ 7.22	2.00	0	15	5	20	5	se.	Dr. C. W. Bolton.
Port Gibson	Claiborne	116	24	66.4	+ 0.9	89	27	42	3†	35	9.18	+ 4.76	4.11	0	13	6	5	19	e.	H. H. Crisler.
Rosedale	Bolivar	143	4	62.6	.....	85	24	41	3	36	9.63	.....	2.05	0	11	12	3	15	sw.	T. J. Murray.
Senatobia	Tate	284	3	.....	.....	.....	.....	.....	.....	.....	7.79	.....	2.26	0	12	10	2	18	n.	Tallahatchie Drainage Co.
Shoccoe	Madison	.....	9	65.4	.....	87	11	37	3	34	8.83	+ 4.77	3.50	0	13	18	6	6	s.	J. C. Pitchford.
Suffolk	Franklin	.....	11	68.3	+ 3.0	87	27	39	3	34	7.33	+ 3.09	2.37	0	13	12	10	8	s.	Prof. Geo. H. Kent.
Swan Lake	Tallahatchie	148	7	.....	.....	.....	.....	.....	.....	.....	7.46	.....	1.74	0	10	13	5	12	ne.	W. J. Hawkins.
Tchula	Holmes	130	7	67.0	.....	86	28	43	3	31	9.53	.....	3.40	0	13	6	19	5	e.	Dr. M. P. Winkler.
University	Lafayette	502	19	64.1	+ 1.6	85	21	38	3	35	8.18	+ 3.90	3.70	0	13	.....	.....	.....	s.	Prof. J. H. Dorroh.
Utica	Hinds	287	8	66.2	.....	87	27	39	3	33	10.46	.....	2.35	0	11	.....	.....	.....	.....	Dr. J. B. Dudley.
Vicksburg	Warren	247	41	66.0	+ 0.8	84	27	46	3	26	9.71	+ 4.55	2.36	0	13	9	9	12	se.	U. S. Weather Bureau.
Water Valley	Yalobusha	300	23	64.1	+ 0.8	84	11†	37	3	37	7.27	+ 2.52	2.20	0	9	14	8	8	se.	Miss Louise Erikson.
Woodville	Wilkinson	560	19	68.1	+ 1.4	86	27	41	3	31	8.39	+ 3.36	3.15	0	11	15	12	3	sw.	James D. Lee.
Yazoo City	Yazoo	116	18	66.6	+ 1.4	87	28	39	3	34	11.59	+ 7.27	2.00	0	14	15	4	11	se.	W. H. Courts.
Louisiana.																				
Abbeville	Vermilion	18	24	70.3	+ 1.4	85	22†	44	3	29	3.98	− 0.25	1.25	0	12	11	9	10	se.	C. J. Edwards.
Alexandria	Rapides	77	24	69.0	+ 1.9	91	27	42	3†	38	6.95	+ 2.40	3.23	0	7	9	3	18	n.	Nellie Graham.
Amite	Tangipahoa	130	24	69.1	+ 1.9	86	27	43	3	32	15.47	+10.28	5.80	0	12	6	22	2	s.	Lulu M. Wentz.
Antioch	Claiborne	.....	.....	66.1	.....	89	27	37	2	38[a]	6.99	.....	2.00	0	10	15	0	15	s.	W. L. Anglin.
Avoca Island	St. Mary	.....	1	.....	.....	.....	.....	.....	.....	.....	4.60	.....	1.80	0	5	.....	.....	.....	.....	J. N. Pharr & Sons (Ltd.).
Baton Rouge	East Baton Rouge	60	24	69.6	+ 2.3	86	27	45	3	29	8.48	+ 3.85	4.05	0	12	9	0	21	se.	Elmo M. Bott.
Burnside	Ascension	20	12	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	C. S. McFarland.
Burrwood	Plaquemines	1	24	68.6	+ 0.6	81	28	53	4	18	2.06	− 1.32	1.30	0	4	9	15	6	se.	Graham Meyers.
Cades	St. Martin	.....	2	70.2[d]	.....	86	27	45	3	31[d]	4.96	.....	2.06	0	9	12	7	11	s.	C. E. Smedes.
Calhoun	Ouachita	180	24	66.2	+ 2.1	89	27	36	3	40	6.94	+ 2.41	2.25	0	13	7	12	11	.....	North Louisiana Expt. Sta.
Cameron	Cameron	6	19	65.4	− 3.7	85	22	39	3	33[d]	3.87	+ 0.40	1.60	0	7	5	13	12	se.	Adolph Bruckert.
Carrollton	Orleans	7	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Loyola College.
Cheneyville	Rapides	67	24	68.3	− 0.1	90	14†	42	5	38	5.85	+ 1.09	1.65	0	9	8	5	17	s.	Walter I. Tanner.
Cinclare	West Baton Rouge	.....	2	69.8	.....	87	27	44	2	30	9.15	.....	3.60	0	9	9	3	18	se.	Cinclare Central Factory.
Clinton	East Feliciana	113	24	68.9	+ 1.6	86	27	43	3	30	6.96	+ 2.01	2.90	0	12	7	4	19	s.	John A. White.
Collinston	Morehouse	65	11	67.2	+ 2.5	89	27	38	3	39	8.19	+ 3.53	3.20	0	14	5	4	21	s.	John B. Reily.
Columbia	Caldwell	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	H. W. Blanks.
Covington	St. Tammany	39	20	69.3	+ 1.3	89	22†	44	4	36	15.74	+11.42	4.00	0	15	6	0	24	s.	Cecile P. Champagne.
Dodson	Winn	.....	3	66.9	.....	89	13	37	3	37	7.02	.....	1.66	0	10	5	14	11	se.	J. P. Lucas.
Donaldsonville	Ascension	33	24	70.4	+ 2.2	88	25†	45	3	33	7.61	+ 3.29	2.00	0	10	10	13	7	s.	John F. Park.
Dutchtown	do	.....	1	.....	.....	.....	.....	.....	.....	.....	7.01	.....	1.92	0	12	13	1	16	.....	Picard & Geismar (Ltd.).
Farmerville	Union	177	24	64.0	− 0.9	86	12	37	2	36	5.36	+ 0.11	1.06	0	11	13	7	10	s.	W. P. Chandler.
Ferriday	Concordia	.....	5	62.1	.....	85	30	40	7	28	6.77	.....	2.50	0	8	.....	.....	.....	.....	C. L. Achor.
Franklin	St. Mary	10	20	71.4	+ 2.5	90	29	47	4	33	2.19	− 2.13	0.56	0	11	7	6	17	ne.	J. M. Bonney.
Franklinton	Washington	.....	2	68.6	.....	88	29	43	3†	34	17.90	.....	5.80	0	12	6	20	4	.....	D. A. Self.
Grand Cane	De Soto	302	18	64.7	+ 0.3	85	14†	32	3	41	4.58	0.00	1.27	0	10	8	6	16	s.	G. Foster Provost.
Grand Coteau	St. Landry	93	24	69.8	+ 1.4	87	14†	44	4	33	5.33	+ 1.13	2.35	0	8	14	11	5	sw.	St. Charles College.
Hammond	Tangipahoa	44	20	68.8	+ 1.5	87	29	44	4	32	8.15	+ 3.65	2.65	0	11	21	4	5	se.	C. C. Carr.
Houma	Terrebonne	.....	24	.....	.....	.....	.....	44	4	.....	2.30	− 1.82	0.95	0	8	19	0	11	se.	J. M. Foote.
Jena	La Salle	.....	1	67.5	.....	89	27	37	3	38	4.28	.....	1.20	0	8	10	13	7	se.	C. E. Wilbanks.
Jennings	Calcasieu	30	15	69.9	+ 2.7	89	14	43	3	36	4.67	+ 1.04	1.74	0	8	7	10	13	se.	J. F. Buch.
Laark	Morehouse	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	P. M. Donley.
Lafayette	Lafayette	36	24	70.3	+ 2.2	89	14†	44	3	31	4.58	+ 0.64	1.75	0	13	9	0	21	e.	J. J. Davidson.
Lake Charles	Calcasieu	22	24	65.2	− 2.2	88	14	39	3	37	6.90	+ 3.81	2.00	0	8	8	9	13	s.	George Boudreaux.
Lakeside	Cameron	9	1	69.2	+ 1.4	86	30	49	1†	26	6.99	+ 3.33	2.96	0	6	12	4	14	se.	L. J. Nunemacher.
La Rose (near)	La Fourche	.....	1	70.0	.....	86	22	48	4	27	4.97	.....	2.20	0	11	16	12	2	se	Louisiana Delta Farms Co
Lawrence	Plaquemines	6	21	70.6	+ 2.4	90	27	47	4	30	8.37	+ 4.93	2.45	0	11	13	7	10	s.	H. C. Warmoth.
Leesville	Vernon	.....	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	C. M. McFarland.
Liberty Hill	Bienville	.....	24	67.6	+ 1.6	92	13	35	3	42	6.00	+ 1.60	2.50	0	11	10	4	16	s.	E. A. Crawford.
Logansport	De Soto	192	8	.....	.....	.....	.....	.....	.....	.....	2.68	.....	0.84	0	7	13	7	10	s.	Bettie M. Dennis.
Melville	St. Mary	45	24	68.9	+ 0.9	90	28	41	4	35	4.63	− 0.57	2.04	0	10	12	3	15	ne.	Charles B. McNeill.
Merryville	Calcasieu	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	A. P. Windham.
Minden	Webster	194	24	64.4	− 0.8	89	27	34	3	42	6.95	+ 3.22	1.48	0	12	6	16	8	e.	Ethel Fort.
Monroe	Ouachita	82	24	66.1	+ 0.2	86	27	45	3	30	8.61	+ 4.29	1.85	0	14	7	3	20	se.	L. L. Smith.
Morgan City	St. Mary	14	6	.....	.....	.....	.....	.....	.....	.....	1.03	.....	0.27	0	8	6	3	21	se.	Virgil E. Kinsey.
Newellton	Tensas	.....	5	67.2	.....	90	27	40	3	33	13.17	.....	4.06	0	11	.....	.....	.....	.....	John D. Fultz.
New Iberia	Iberia	15	24	71.4	+ 2.9	85	22†	46	3	26	4.61	+ 0.10	1.40	0	10	7	10	13	sw.	Mrs. John A. Gebert.

TABLE 1.—*Climatological data for April 1912. District No. 7*—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.							Precipitation, in inches.				Number of rainy days. 0.01 inch or more.	Sky.			Prevailing wind direction.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.		Number of clear days.	Number of partly cloudy days.	Number of cloudy days.		
Louisiana—Continued.																				
New Orleans (1)	Orleans	51	41	70.4	+ 0.5	86	29	51	3	25	8.62	+ 3.71	1.69	0	16	3	6	21	s.	U. S. Weather Bureau.
New Orleans (2)	do	18	24	71.2	+ 2.8	88	26†	44	4	35	9.19	+ 4.80	2.77	0	13	4	8	18	s.	Sugar Experiment Sta.
Opelousas	St. Landry	83	20	70.0	+ 2.1	91	14†	41	3	38	4.72	+ 0.06	2.84	0	9	9	0	21	s.	Andrew Moresi.
Paradis	St. Charles		1								3.34		1.17	0	9					R. E. Boyce.
Pearl River	St. Tammany	29	6								23.43		7.50	0	13	13	3	14	e.	George F. Bancks.
Plain Dealing	Bossier	268	20	64.8	+ 0.6	86	27	36	3	40[c]	5.69	+ 1.06	1.69	0	12	9	4	17	se.	Leon Sanders.
Rayne	Arcadia	44	20	70.9	+ 2.3	87	14†	44	3	30	4.55	+ 1.05	1.60	0	10	7	1	22	s.	A. P. McNeil.
Reserve	St. John Baptist		11	69.6	+ 2.5	90	26	46	4	34	7.96	+ 4.10	3.22	0	12	8	11	11		Leon Godchaux Co. (Ltd.).
Richland Plantation	Rapides																			A. B. Pendleton.
Robeline	Natchitoches	147	16	65.3	+ 0.7	89	13†	35	3	41	6.90	+ 2.21	1.75	0	9	6	19	5	s.	Ruby McCook.
Ruston	Lincoln	312	17																	R. A. Clampet.
St. Francisville	West Feliciana	115	9	70.1		86	22†	48	17	31	10.85		4.13	0	4	6	12	12	s.	L. P. Kilbourne.
Schriever	Terrebonne	17	20	71.7	+ 3.4	91	28	45	4	40	3.14	− 0.57	1.30	0	10	9	5	16	w.	Harriet F. Riviere.
Shreveport	Caddo	249	41	66.0	+ 0.2	85	14	45	3	26	7.49	+ 2.91	1.97	0	12	7	7	16	se.	U. S. Weather Bureau.
Simmesport	Avoyelles	42	6								4.55		1.27	0	12	4	0	26	ne.	C. T. Leigh.
Southern Univ. Farm	Jefferson		15								10.81	+ 6.08	2.90	0	13	11	3	16	se.	F. L. St. Martin.
Sugartown	Calcasieu		19	69.0	+ 2.0	86	27	42	2	28	4.59	− 0.06	2.12	0	5	6	11	13		G. W. Richardson.
Tallulah	Madison	91	5					40	3		12.22		2.45	0	13					Neal T. Halt.
Walker	Livingston		2	69.0		86	25†	44	2†	35[a]	7.58		3.33	0	9	8	11	11	ne.	H. C. Fondren.
Winnsboro	Franklin																			J. C. Carlton.

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

TABLE 2.—*Daily precipitation for April, 1912. District No. 7, Lower Mississippi Valley.*

Stations.	Watershed.	Day of month.																														
		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	
Colorado.																																
Buena Vista	Arkansas												T.			T.	.15	T.	T.	T.	.15					T.		T.				0.30
Calhan	Big Sandy																															
Canon City‖	Arkansas	.02	T.									T.					.13		.62	.24			.16						.02			1.19
Colorado Springs	Fountain	.01							.01		T.			.01			T.	.05	.70	T.	.63	.05					.04	.01	.05			1.56
Cripple Creek	Oil Creek	T.							.03		T.			T.	.02	T.		.02	.47	.03	.03	.02	.27			T.		T.	.30			1.19
Cuchara Camps	Cucharas	1.19				.03	.21				.14		.06	T.	.36	.24	.72	.27	T.	T.		T.				T.			1.36			4.58
Eads	Big Sandy	T.																										T.				T.
Fairview	St. Charles	1.10						.30							.16					1.75						.10		.31				3.72
Fremont Experiment Station.‖	Fountain	T.				T.			T.		T.	T.	.01		T.	T.	.04	.06	.90	.02		.31	T.			T.	.09	.13				1.56
Garfield	Little Arkansas										.06		.09	.19			.12	.09	.03		.25					.13		.04				1.00
Hamps	Big Sandy	T.												.07				.05	.65			.04							.32			1.13
Hermit Lake	Grape Creek	.65					.17			.55			.60	.82	.85		.75		.51	.72	.36	.19			.22		.92					7.64
Hoehne (near)	Purgatoire	.15					.10										T.	.10	.22								T.		.83			1.40
Holly	Arkansas	.30																	.15	T.								.17	.31			0.93
La Junta	do	.15															T.		.27	.02			.05						.09			0.58
Lake Moraine	Fountain	.04							.04		.06		T.	.12		.04	.22	.31	.53		.06	.29	.19			T.		.05	.28			2.23
Lamar	Arkansas	.75						.40																								1.15
Las Animas	do																															
La Veta Pass	Cucharas											.21				.22	T.	.29	.37		T.				T.			T.	.38			1.47
Leadville	Arkansas	.01				T.	.01				T.		T.	.19	.04	T.	T.	.01	.01	.03	.01	T.	.01	.13		.05	.12	T.	T.			0.62
Limon (near)	Big Sandy																.15		.60		.10	.20				T.			.35			1.40
Madrid	Purgatoire	.05					.04				T.						.25	.27	.19										.57			1.37
Marshall Pass	Arkansas					.24								.17			.22			.18	.35			.17								1.33
Monument	Fountain								.13				T.					.54				.22					.08	.20				1.17
North Lake	Purgatoire	.18				.06	.04									.56	.31	.30	.27	.39	.24								.70			3.05
Oro	Arkansas																															
Pueblo	do	.09									T.						.44	.04	.25	.16		.21				T.	T.	.02				1.21
Rocky Ford (near)	do																															
St. Elmo	Chalk Creek					T.	T.				.09		.06	.04		T.	.06	.04		.06	.06	.07	T.			.20		T.				0.68
Salida‖	Arkansas	.24					T.					.08		T.			.08															0.40
Santa Clara	Huerfano	.26					.10		T.		T.					.19	.02	.63	.29	.05	T.	T.	T.			T.			.62			2.16
Sheridan Lake	Arkansas																															
Stonewall	Purgatoire	T.					.13				T.					.44	T.	.22	.05										.44			1.28
Trinidad	do	.13					.04				T.					T.	.24		.16			T.			T.		T.		.75			1.32
Two Buttes	Arkansas																															
Victor (near)	Oil Creek							T.			T.		T.					.30	T.	T.			.20		T.			T.				0.50
Vilas	Cimmaron	T.																	.30						.28			T.	1.72			2.30
Wayne	Arkansas																	T.	.36	.74							T.					1.10
Westcliffe	Grape Creek										.10		.10				.03	.65	.33				T.						.27			1.48
Winfield	Clear Creek	T.			T.	.03	T.				.01		.03	.01		T.		.02	T.	.03	.06	T.	T.			.01	T.	.05	T.			0.25
Woodman Sanatorium.	Fountain								T.		T.			T.		T.	T.	.01	.80	T.	T.	.20						.26				1.27
Wortman	Arkansas	T.			T.	T.	T.			T.	.10	T.	T.	.30	T.	.10	T.	T.	.10	.10	.15	T.	.10	.10	T.	T.	T.	T.	T.	.20	T.	1.25
New Mexico.																																
Abbott	Canadian	.32																	.21						.07				.13			0.73
Albert	do																.15	.35	.48						.28							1.26
Aurora	do	.09					.07		.18					.07		.05	.32	.06	.21		.01							.01	.08			1.15
Bell Ranch	do	.14				.22			.04								.09	T.	.04						.29							0.82
Black Lake	do	.02											.01			.09	.01	.08	.18													0.39
Cabeza	do	.07				.80			T.								.17		T.						*	1.20		*	.10			2.34
Campana	do	.04				.22			.04							T.	.09	.18	.08						.22				.08			0.95
Chacon	do						.10						.10	.48		.33	.10	.05	.20													1.36
Cimarron (near)	do						.05										.02	.02	T.									.58				0.67
Clayton	do																															
Clovis	Red																															
Cuervo	Canadian	T.				T.													.30										T.			0.30
Dawson	do	T.				T.											T.	T.	.80		T.							.50				1.30
Elizabethtown	do						.12		.05								.09	.15	.03	T.									.04			0.48
Folsom	Dry Cimarron	.20					.04									T.	.28	.02	.55	.08		T.							.87			2.04
Fort Union	Canadian	.16				T.	.05		.16								.15	.05	T.						T.			.10				0.67
Hayden	do	.05				.12			.02								.10	T.	.17						1.08				1.23			2.77
Hoosier Ranch	do	.10		T.					.04								.16	.03							.23							0.56
Johnsons Park	do	T.	.18			.02					.17						.29	.40	.14		T.								.95			2.15
Kappus	do	.30					.25			T.						T.			.10		.07					T.		.07				0.79
Lake Alice	do	.56																.50	*	.50									1.30			2.86
Logan	do	.30															T.		.18										.50			0.98
Lykins (near)	Red					.40											.33	.17														0.90
Maxwell (near)	Canadian																.06	.25	.13									.46				0.90
Melrose	Red						.27											.23	.03													0.53
Miami Ranch	Canadian																.05	.10	.04										.57			0.76
Mills (near)	do	.20				.22	T.		.05								.21	.14	.10						.07				.07			1.06
Montoya	do	T.				.25			T.							T.	T.	T.	T.										.20			0.45
Mount Dora (near)	do	.45				T.											T.	*	.40						.15				1.20			2.20
Nara Visa	do	.20					.20		T.									.01	.48	.02					.10				.30			1.31
Ocate	do																															
Optimo	do																															
Palo Verde	do	.15				.05	T.		.04								.03	T.	.07						.34				.10			0.78
Pasamonte	do	.18																.52	.13						.25				.50			1.58
Pleasant View	do	.25				.06			.04								.27	.22	.15						.17				.18			1.34
Portales	Red																															
Raton	Canadian	.48															.55	.15	.25									1.20				2.63
Rociada	do	.16					.18		.20								.10															0.64
Rosebud	do	.08				.20											.12	T.	T.							1.33			1.56			3.29
Roy	do	.25				.08		T.								.10	T.	T.	T.						.45				.10			0.98
Roy (near)	do	.18				T.											.10	T.	T.						.36			T.				0.64
San Jon	do	.15					.05		T.								.28	T.	.13						.10	T.			.32			1.03
Solano	do	.28				.11		.05									.09		.05						.32							0.90
Springer	do	.02						.01										T.	T.										.10			0.13
Taylor	do	.04							T.		T.								.10							T.			.42			0.56
Trementina	do	T.				.25			.12								.15		.05		.03			.02					.06			0.68
Tucumcari	do	.20				.38											.09		.05						.02				.27			1.01
Valley	Dry Cimarron																	*	.45		.15				T.			*	1.00			1.60
Vance (near)	Canadian	.16				.09			T.								.07		.50	.11					.55	.04			1.02			2.54
Vermejo Park	do	.14						T.		.26			T.	.22			T.											.08				0.70
Wagon Mound (near)	do	.20					.02				.01						.20	.05	.10						.02				.40			1.00

TABLE 2.—*Daily precipitation for April, 1912. District No. 7*—Continued.

Stations.	Watershed.	Day of month.																														Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
Texas.																																
Amarillo	Canadian	.10				.19	.01		.04			T.					.13	.02	.10	T.					.11			.02	T.			0.72
Archer City	Red	T.					T.			T.	T.						.32		.02	.15						T.			.49			0.98
Arthur City ‖	do		1.20									.90							.20	.10									.65	.30		3.35
Bonham	do	1.54					.37			.30			1.53				.63			.14									.73			5.24
Canadian	Canadian	.57	.03																.22	.19						.19	.87	.20				2.27
Childress	Red											T.				.45	.20		.48									.30				1.43
Chillicothe	do											1.01					.13											.68				1.82
Clarendon ‖	do	.41	.04				.06										.18		.28	.07						.41			.66	.03		2.14
Clarksville	do	.48					.57			.27		.40							.18									1.46				3.36
Claude	do								T.									T.	T.						.50			1.10				1.60
Dalhart ‖	Canadian	.23					.19		.03								.16	.12	T.	.39						.63		.63	.17	.01		2.56
Denison ‖	Red	1.70	.15					.30			.35		1.60				.70	.50		.10	.10								.80	.06		6.36
Finley ‖	do						T.	.63			.50		1.22					.30					.60				T.	.30		1.30		4.85
Henrietta ‖	do	.10											1.00				.50			.25									.49			2.34
Hereford	do																															
Memphis	do															.40												.45	.17			1.02
Miami	Canadian	.30	T.				T.		T.		T.						T.	T.	.07	.44								T.				0.81
Mobeetie	Red																															
Ochiltree	Canadian																															
Panhandle	do																															
Paris ‖	Red	1.07	1.20				T.	.67			.39	T.	1.75			T.	.01	.13		.36	.06	T.					.05	T.	.30	.40		6.39
Plemons	Canadian	.64					.08		.02								T.	T.	.26	.46						.75		.01				2.22
Quanah ‖	Red	.35											.90				.25	T.		T.									T.			1.50
Ringo Crossing ‖	do	.32									.52		1.65				1.62	.42												.55		5.08
Romero	Canadian	.15					.23											T.	.27						.03	.02			.25			0.95
Sherman ‖	Red																															
Stratford	Canadian	.17					.05		.03									.02	.48	.38						.39		.11	.02			1.65
Texline	do	.30																	1.90													2.20
Tulia	Red	.11					.16		.26							.20	T.	T.	.21	T.					T.			.12	T.			1.06
Wellington	do	.35						.06				.18		.23						.02		.31						T.			.65	1.80
Wichita Falls	do	.59				T.						T.	.70			.30	.09		T.							.05			.42			2.15
Winfield	do	.71					1.85			.72			1.20			.73			.04			T.				T.	1.08		.78			7.11
Kansas.																																
Alden	Arkansas	.54																														0.54
Anthony	do	.75	.44							.01			T.	.24						.37	.02					.57		.21	.68			3.29
Ashland	Cimarron	1.01	.11						.01										.12	.12	.09					.30			.04	T.		1.80
Burlington	Neosho	.79	.35														.17					.15				.47			1.45	.54		3.92
Chanute	do	.61	.79														T.	.42	.20	T.	.46					.82	.64	T.	1.45	.42		5.81
Cimarron	Cimarron	.02					T.		T.										.09	.02						.01		.37	2.77			3.28
Coffeyville	Verdigris																.14	.23		.06		.90		.10	.16	.50	.11	4.02	.88			7.10
Coldwater	Cimarron	.98	.18									T.		.02					T.	.25	.05					.25			.04			1.77
Columbus	Neosho	.26	.61				.08			T.	T.		T.	T.			.20	.25		.21	T.	.85				1.28		2.60	.53			6.87
Coolidge	Arkansas	.42																	.11	.36									.30			1.19
Cottonwood Falls	Neosho	.95	.10											.52						T.	T.				.05				.91	.44		2.97
Council Grove	do	.19	.02								.02			.13						.13	.11	.05					.08	.16	.20	.06		1.15
Cunningham	Arkansas	.95	.50							T.										.22	.80					.18		T.	.16			2.81
Dodge City	do	.05					T.		T.		T.			T.					.09	.02	T.					.03		.68	.86			1.73
El Dorado	do	.72	.36											.50						.06	T.			.03		.37		.37	2.21	.50		5.12
Ellinwood	do	.31	.01				T.		T.				.01	T.						T.	.51					.02			1.21	.02		2.09
Emporia ‖	Neosho	.71	.18							T.				.12											T.	.23			.72	.08		2.04
Eureka	Verdigris	.73	.32								T.									.12		.01		T.		.50		.40	1.03	3.20		6.31
Fall River	do	.50	.55										.05	T.							T.	.25		.02	.65		.35	.35	2.15	.35		5.22
Fargo	Cimarron						T.		T.										.21	T.	T.							1.56	.80			2.57
Fredonia	Verdigris	.48	.44								T.	T.					T.	.26		T.	T.	.26		T.		.60	.94	T.	2.30	.09		5.37
Garden City	Arkansas	T.					T.				T.						T.		.11	T.						T.		.18	2.07	T.		2.36
Great Bend ‖	do	.80	.30																			.30							T.	.93		2.33
Greensburg	do	.75					T.				T.	T.		.05					.01	.04	T.				.10						0.95
Grenola	Verdigris	.57	.30										.18	T.						.09	T.	.50		.03		1.73		.50	1.45	.15		5.50
Hess	Cimarron	.11					T.		T.										.11	T.	T.					.10		.10	1.45			1.87
Howard	Verdigris	.89	.35								T.	T.	.31					T.		.07		.31		.07		.62	.64	.22	1.72	.32		5.52
Hugoton	Cimarron	.10					T.		T.										.35	.11	.03					.28		1.92	.28			3.07
Hutchinson	Arkansas	.96	.14											.08						.02	.32					.11		.17	.27			2.07
Independence	Verdigris	.80	.81				T.						.03				.04	.28		.26	T.	.12		.07		.50	1.71	.43	3.43			8.48
Iola	Neosho	.77	.22			T.					T.	.04	T.				.30	.04		.07	.26			.02		.63		.79	2.54	.02		5.70
Irene	Arkansas	.44																	.20	.25						T.		T.	1.05			1.94
Jetmore	do	.03							.02										T.									.14	2.63			2.82
Kingman	do	.80	.30											.15						.08	.10					.15		.20	.12	.04		1.94
La Crosse	do	T.					T.		T.												T.							T.	1.14			1.14
Lakin	do	T.																	.20							.06		.40	1.55			2.21
Larned	do	.03					T.														.06	T.							1.34			1.43
Lebo	Neosho	.40	.15								T.	T.						T.		T.	T.			T.		.38		.24	.69			1.86
Le Roy ‖	do	.52	.52									T.	T.					.27			T.	.37			.04	.38	.26		1.62	.53		4.51
Liberal	Cimarron	.26							T.					T.					.30	.10	.06					.35		.19	.13			1.39
Macksville ‖	Arkansas	.35	.43							T.		T.		.10							.06	T.				.07				.15		1.16
McPherson ‖	do	.58											.04	.05								.86				.04	.23		.12	.03		1.95
Madison	Verdigris	.92	.25																	.21	T.			T.		.49		T.	1.04	.18		3.09
Marion	Neosho	.60	.07										.01	.05						T.	.07			.02		.03		.20	.16	.05		1.26
Medicine Lodge	Arkansas	1.66	.78											.12					T.	.23	.34					.26		.02	.40			3.81
Medora ‖	do	.79	.05												.01						T.	1.03				.06	.08	.12	.08			2.22
Mount Hope	Arkansas	.85	.27									.18														.28		.32	.40			2.30
Neosho Rapids ‖	Neosho	.70	.20																			T.				.30	.02		.80	.12		2.14
Ness City	Arkansas																											.72	1.38			2.10
Newton	do	1.00	.26																		.18					.14		.36	.18			2.12
Norwich	do	.89	.28							T.		T.	T.	.12						.12	.18			T.		.23		.34	1.20	.17		3.53
Oswego	Neosho	.30	.63				.13										.11	.29		.25	.37			.03		.97	.06		2.77	.50		6.41
Plains	Cimarron	.50							T.	T.	T.								.20	.04	.10					.30		.51	.23			1.88
Pratt	Arkansas	1.00	.45																	.17						.14		T.	.31	T.		2.07
Richfield	Cimarron	.05																	.16	.05						.30		.74	1.58			2.88
Rome	Arkansas	.55	.40										.44	.76						.32	.09			T.		1.16		.30	1.33			5.35
Sedan	Verdigris	.90	.45										T.					.06		.15	.12	.20			.05	.54	1.34		3.24	.38		7.43
Toronto	do	.37	.98									T.	T.									.20				.12	1.25		2.05	.80		5.77
Ulysses	Cimarron	.10					T.												.15						.30			.25	1.50			2.30
Walnut	Neosho	.41	.99				T.			T.	T.	T.					.10	.36	T.	.14		.60		1.02		1.11	1.01	T.	3.34	.36		8.44
Wellington	Arkansas	.63	.38								T.		.06	.22						.33	.03	T.		.06		.88		.22	.90	.15		3.86
Wichita	do	.84	T.						T.		T.	T.	.02	.19						.07	.02			.06		.19		.38	2.10			3.87
Winfield	do	.61									T.			.18						.16	.88			.05		2.19		.32	1.53			5.92
Yates Center	Verdigris	.51	.20									.09	.06			T.	.13		.09	T.	.21		.06		1.30		.62	1.56	.43			5.26

TABLE 2.—*Daily precipitation for April, 1912. District No. 7*—Continued.

Stations.	Watershed.	Day of month.																													Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
Oklahoma.																																
Ada	Canadian	.65					.30			.14	.01		.35	.02			.39			.34						1.57			.82			4.59
Alva	Arkansas	.10	1.00						T.	T.	T.	T.	T.	.01						.50	T.					.30	T.	T.	.50			2.41
Apache	Red	.45											.23	.03			.40			.27	T.					.15			.54			2.07
Arapaho	Washita	.70	.05																	.22								.18	1.43			2.58
Ardmore ‖	Red	1.60	.12							.07	.09	.02	.55				.13	.12		.15							.74		.67			4.26
Arnett	Canadian																															
Bartlesville	Arkansas	.75					.10			T.		T.					.15	.01			.38	1.00				1.05		2.50	2.60	.15		8.69
Beaver	Canadian	.76	.05						T.			.25							.20		.15					.28						1.69
Blackburn	Arkansas	.67	.20									T.		.06			.02			.53	.02	.28				.38		1.50	4.70			8.36
Cache	Red	.30											.32				.22			.12						.02						0.98
Calvin	Canadian	.90	.22					.42		.04	.05		.15	.05			.65			.40						.18	3.11		.73			6.90
Chandler ‖	do																															
Chattanooga	Red	.37											.18			.75				.11	T.								.50			1.91
Chickasha	Washita																															
Cloud Chief	do	.32					T.		T.					.30			T.			.31		T.					1.65	1.02				3.60
Crawford	Canadian											.60							.20	.70						.30		1.20				3.00
Durant	Red	1.25	.15					.28			.24		.40				.17	.13		.15							T.		.83			3.60
Eldorado	do	.50				T.			T.			T.	.39				.30			.03								T.	.65			1.87
Elk City	do	.50	.10																							.40		3.04				4.04
El Reno	Canadian	.45											.03	.02					.02	.65	.37					T.		.80	1.85			4.19
Enid ‖	Cimarron	.30	.15																	.49		.15				.62	T.		8.30			10.01
Erick	Red																															
Eufaula	Canadian	.47					.34			.10	T.			T.			.82			.08						3.73			.58			6.12
Fairland	Arkansas	.31	.18			.32			T.	T.							.05	.25		.65		.44				1.22		T.	2.28	.51		6.21
Fort Gibson	do	1.05	.45					.37			.13		T.	T.	T.		.45	.13	.28	.09						.09	.42		.85	.25	T.	4.56
Frederick	Red	.51					T.						.45				.16				T.								.25			1.37
Geary	Canadian	.34	.06										.15	.09					.04	.29						.04		1.54	1.57			4.12
Goodwell	do	.40																		.20	.40					.32			T.			1.32
Guthrie	Cimarron	.30											.22	T.			.05			.40	T.					.08		.90	2.85			4.80
Guymon	Canadian	.37																.10	.25	.60					.28			.10				1.70
Hartshorne	do	.50	.05					.26					.15	.05			.12			.30						.10	.09		.65			2.27
Healdton	Red	.17					.14			.10	.11		1.02	.19			.95		T.	T.						2.05		T.	.71			5.44
Helena	Cimarron	1.05	.45										.25	T.						.20	.02					.93		.45	.70			4.05
Hennessey	do	.50										T.	T.								.50					.13		1.00	2.25			4.38
Hobart	Red	.32					.03						.15				T.			.26								3.18	1.08			5.02
Holdenville ‖	Canadian	1.08	.16					.12			.18		.15				.30			.39						.50	1.32		.73			4.93
Hooker	do	.26																	.15	.11	.59					.27		.27	T.			1.65
Hurley	Cimarron	T.																							.12				.66			0.78
Idabel	Red																															
Jefferson	Arkansas	.69	.37							T.	T.		.04	.03						.29						1.48		.28	1.22			4.40
Kenton	Cimarron	.20					.03										.02	.05	.26	.14						.01		T.	.39			1.10
Kingfisher	do	.62	.10				.01			.01	.02		.09	.06			.01		.07	.51						.20		1.01	1.96			4.67
Lawton	Red	.54				.01			T.				.30	.02			1.02			.16	T.							T.	.55			2.60
McAlester	Canadian	1.23					T.	.42		.11	.07	T.	.12	.04			.47		.01	.39						.81			.91			4.58
Mangum ‖	Red						.05				T.	T.	.12				.11		T.	.15									5.22			5.65
Marlow ‖	Washita	.75				T.				T.	T.		.50	.04			.96	.14		.28	T.	T.				1.10	.06	.51				4.34
May	Canadian	1.10																	.01						.26				.90			2.27
Meeker	do	1.00					.47										.40		.30							.25			1.32			3.74
Muskogee	Arkansas	1.06					.29			T.							.54			.35						.77			1.40			4.41
Mutual	Canadian	.64																	.12									1.29	.25			2.30
Neola	Washita					T.							.26	.04			.04	.01		.41	T.		.02			.05		.02	1.70			2.55
Newkirk	Arkansas	1.10	.35												T.					.35		.85				1.05	.10	.30	2.10	.15		6.35
Norman	Canadian	.55					.15			T.	T.		.13	.01			.66		T.	.30	.T					.12		.01	.55			2.48
North Muskogee	Arkansas		.92	.26	.22			.22									.62			.20							1.11		.82	.10		4.47
Oakwood	Canadian	.76	.11											.15			.04	.10		.49	.06					.10		.30	3.15			5.26
Okeene	Cimarron	.45	.10									T.	T.	.02				.02	.03	.71	.23					.10		.99	3.85			6.50
Oklahoma	Canadian	.18	T.				T.			T.	T.		.59	T.			.03		.21	.51	T.				T.	.22		.03	1.04			2.81
Okmulgee	do						.25			T.							.60			.30						.75			.93			2.83
Pauls Valley	Washita																															
Pawhuska	Arkansas	.65															T.	T.		.24		.64				.82		1.68	4.35	.44		8.82
Perry	do	.60	.18				T.			T.	T.			.11			T.		T.	.25	.07			T.		.08		7.03	.03			8.35
Rankin	Red																															
Ravia	Washita						.06						.53			.48				.25						.10						1.42
Sac and Fox Agency	Canadian	.60	.04				.48										.30			.50						.45		1.70				4.07
Shawnee ‖	do	1.25	.08					.51		T.	.02		.22	.02			.43	.03		.35						T.	.11		.80	.10		3.92
Snyder	Red	.62											.56				.22			.28						.15		T.	.36			2.19
Stillwater ‖	Cimarron						.03						.11	.08			.07			.47	.10	.45				.01	.01		5.18	.03		6.54
Tulsa ‖	Arkansas	.47	.28					.35			T.			T.			.20	.04		.40	.11	.32				.10	.63		3.04	T.		5.94
Vinita	do	.33	.20					.20										.46		.71		.56				2.06			4.09			8.61
Wagoner	do			2.00		.65			1.50			.50				1.00				.30						.65			1.30			7.91
Waukomis	Cimarron	.52									T.			.10					T.	.50	1.75					.20		1.65	4.15			8.87
Waurika	Red	.12								.02			.89				.57			.06						.06		T.	.55			2.27
Weatherford ‖	Canadian	.12				.02			T.				.08				T.		.05	.30						.05			2.33			2.95
Webbers Falls	Arkansas	.44					.25			T.							.85									2.20			.50			4.24
Whiteagle	do	.53	.26											.14						.53	.37	.48				1.00	.12	1.66	2.50			7.59
Woodward	Canadian																															
Wyandotte	Arkansas	.10	.30								.30							.65		.58		.43				.72	.58		2.00	.40		6.06
Missouri.																																
Belle	Meramec	.22	.67				.53			T.			.53	.03			.20	.80	.15			.32				.50	1.60		1.83	.30		7.68
Birchtree	Black	.72	.18				.15	.09					.79	.08				.79		.14		.46				.59	1.98		.55	.32		6.84
Cape Girardeau	Mississippi	.30	1.20	T.				.10			.01			.50	.05		1.30	.20			.05		.20				2.00	.20		1.20	T.	7.31
Cardwell	do	3.15	1.81				.74				.02		.20					.32								T.	.44	1.52	.98	.76		9.94
Caruthersville	do	2.08	1.69				.04	1.13		T.	.04		T.	.12	T.		T.	.64		T.			.03			T.	.51	3.00	1.75	1.15		12.18
Cassville	White	.72	T.				.34		.02			.06					.41	.27		.37		.36					.08		3.30	.19		6.12
Dean	Neosho	.52	.20				.30			.10	.03	T.	.06				.78	.39		.33		.56				.91	.10		3.35	.05		7.68
Doniphan	Black	1.00	.25				T.	.17		T.			.38	.03			2.00	.20		.10		.05	2.00			.15	2.52	.08	.73	1.50		11.16
Gano	Meramec	.24	.68				.28				.06		1.12	.06	.12		.12	.85		.22	.05	.26				.81	1.79		1.09			7.75
Goodland	Black	.95						.38						1.36	.95			1.06		.16		.77					3.20		.20	.53		9.56
Hollister	White	.62	.10				.40			.10							.40	.10		.40		.40				2.00			1.30	1.30		7.12
Ironton ‖	Mississippi	.20	.55	.05				.45		T.				.83	3.45			.80			.10	.15	T.				3.50	1.00	.15	.45		11.68
Jackson	do	.96	.58				.30						.47			.07						.54				2.25	.18		.77			6.12
Joplin	Neosho	1.05					.20										.15	.47		.35		.62	.54		.41	1.09	.25		2.25	.21		7.59
Koshkonong	Black	1.48	.18				.12	.17		.04	T.		.80	.22	T.		.07	.85		.21		.20				1.00	1.85	.01	.38	.26		7.84
Lamar ‖	Neosho	.17	.15	.88				.04			T.	T.	T.	T.				.10	.42			.92					.56	.93		2.52		6.69
Marble Hill	Mississippi	1.00	.70					.25					.60										.60			.40	2.00		.70			6.25
Mountaingrove	White	.33	.32				.37			.04	T.		.34	.15			.05	.64		.11		1.15				.72	1.67		1.23	.32		7.44
Mount Vernon	Neosho	.27	.36				.20			T.	.04						.45	.28		.38		1.15				.60	T.		4.00	.30		8.03
Neosho	do	.36	.26				.21			.04	.02						.47	.45		.43		.73				1.50	.02	.02	3.41	.32		8.24
New Madrid ‖	Mississippi	.52	2.66					1.05						.50		.04		.30	.03								.75	.85		1.80		8.50
Oakfield	Meramec	.22	.76				.25			T.			.60	T.	1.05		.08	.96		.07		.17				.63	1.75		1.37	.35		8.26
Olden	White	1.40						.40					.10	.70						.23		.80				.67	1.70			.85		6.85
Rolla	Meramec	.15	.84				.02			T.			.10	T.	.02		.06	1.18		.25		.34				.75	1.37		1.80	.08		6.96
Springfield	White	.30	.27				.18			T.			.21	T.			.33	.11		.31	T.	.60		.01		.62	.76	.34	1.83	T.		5.87

TABLE 2.—*Daily precipitation for April, 1912. District No. 7*—Continued.

Stations.	Watershed.	Day of month.																														Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
Kentucky.																																
Blandville	Mississippi	1.72	.62				.13	.38			.03		.26					.34				T.	1.04			.08	.92	.51	.82	.96		7.81
Tennessee.																																
Arlington ‖	Mississippi	.30	2.58	.05				1.47						.15	T.			.58	.12		T.		.15				T.	4.20	T.	1.55	T.	11.15
Bolivar ‖	do	.21	3.10					.97						.49	.41			.47			.10		.51				T.	5.35		2.29	T.	13.90
Brownsville ‖	do	.17	2.40	.05	T.			.88						1.02	.07			.32	.94		.06		.58				T.	2.35	.05	1.46	.01	10.36
Covington ‖	do	.62	2.00						1.30						.64			.45	.75		.52		.15					1.75		1.75		9.93
Dyersburg ‖	do	.60						1.10						.60	.15			.45	.15				.30					1.40		1.60		6.35
Jackson	do	.82	2.80					.68						.74													1.45	1.85	.70	1.00		10.04
Kenton	do	2.60	1.30					1.44		.03	.04		.25	.10	.35		.03	.87		.02		.02	.27			.05	.12	.90	.77	1.05		10.21
Memphis	do	1.52	T.				1.34	.32					.12	T.			.57	.27		.03	T.	.01	.16			T.	.88	1.56	1.23	T.		8.01
Milan ‖	do	.02	2.30	T.				.61				T.		1.55	.62			.07	.29		.11		.55				T.	2.00	T.	2.03		10.15
Trenton	do	.85	1.80				T.	1.00					.50	.16	.54		T.	.50		T.			.18				.05	1.65	.52	1.25		9.00
Union City	do	2.47	2.10				.02	1.08			.01		.80	.13				.75					.58			.17	.36	.65	1.90	1.00		12.02
Arkansas.																																
Alicia	White	*	3.40					.60					.40					.32				.42				.50	.08	.55	.50			6.77
Amity	Ouachita	2.00					1.60						1.10				.70			.60		1.00				.20		.20	2.00			9.40
Arkadelphia (near)	do	1.39	.88				.84	.53		.07			.12	.29			.14	.44		.08	.67	.60	.08			.05	.25	2.09	.64			9.16
Arkansas City ‖	Mississippi	2.16	1.90					.88			.10		.02	.50			.30	1.00			.10							.02	1.60	2.40		10.98
Batesville ‖	White	.88	2.10	T.				.40			.08			.64			.02	.68			.04		.48			T.	.56	.06		.90		6.84
Bee Branch	Arkansas	3.70						.40					T.	.20			.55	.50		T.	.10		.10			1.10	.20		1.20			8.05
Benton ‖	Ouachita	1.50	.52					2.13			.16						.98	.57			.81		1.71				.11			1.27		9.76
Bentonville	Arkansas	.99	.06				.60			.07	.02		.15	T.			.79			.30		.40				1.15		.01	3.00			7.54
Bergman	White	1.42	.11				.37			.15							.19	.44		.23						2.28	.52		.84	.15		6.70
Black Rock ‖	do	1.05	2.00					.39						.43	.13			.12			.02		.71		.02		2.50	.10		.93		8.40
Brinkley ‖	do	.91	.89					1.62			.03	.03		.92	.41			.73			.36	T.	.41				T.	1.81		1.32		9.44
Calico Rock ‖	do	.51	1.30	T.			T.	.25			.10			T.				.60					T.			T.	3.50	1.80				8.06
Camden ‖	Ouachita	.68	.28					1.73			.45		.32	.06			1.40	1.50			.01		.18				.10	.22	.08	1.05		8.06
Centerpoint	Red	1.36					.95			.20			1.15	.06			1.00			.45	T.	T.				.40	.50	.36	2.05			8.47
Clarendon ‖	White	2.43	.35					1.10			.02	.01		.55	.25		T.	1.06		.26	.13		.22				.03	4.30	T.	1.25		11.96
Conway	Arkansas	2.65					T.	.80			.05		T.	T.			.50	.30		.10	.06	T.				.45	.03	T.	.85			5.79
Corning	White	1.79	.45				.07	.49			.02	T.	.26	.01				.23		.05		T.	.39			.11	2.15	2.31	.90	.36		9.59
Dardanelle ‖	Arkansas	.78	2.12					.11			.04			.04	T.		.02	1.52		.04	.04						.67			1.17		6.55
Dodd City	White	*	1.17					.40		.12				.15			T.	.58								1.60	1.00		.90			5.92
Dumas	Arkansas																															
Dutton	White	1.39	.09				.68	.05		.15	.07		.27				.30	.10		T.						2.75	.36		1.10	.29		7.60
Eldorado ‖	Ouachita	.46	.86					.99			.75		.60	.29	.06		.63	.70			.10		.05					.71		2.34		8.54
England ‖	Arkansas	2.80	.52					2.00			.03			.30	T.			1.80		.22	.18		.15				.12	2.00		.75		10.87
Eureka Springs	White	.83	.25				.36			.17			.18	T.			.49	.49		.34		.55				1.49	.27		1.34	.44		7.20
Fayetteville	do	1.53	.11					.35		.13	.05		.16	.31			.94	.12		.19						1.62	.37		.60	.19		6.67
Fordyce	Ouachita	.40	.23				.64	1.04			.82		.34	.03			.38	.82					.18				.30	1.26	2.14			8.58
Fort Smith	Arkansas	.84					.20			.13	T.		.18	T.			.47			.07	T.					.32	T.		.39	T.		2.60
Frazier's Turnpike	do	1.85					*	2.45		.14			.17				1.94			.64		1.04				*	*	1.97	.98			11.18
Fulton ‖	Red	1.40	.60				T.	.70			.30		.60	.24			T.	2.10		.10	.12		.26					.26		.86		7.54
Hardy	White	1.70	.26				T.	.22		.01	.02		.12	.03			.07	.35		.07		.02				.87	3.90	.18	.80	.11		8.73
Helena ‖	Mississippi																															
Hot Springs	Ouachita	2.47					1.98				.10			.33			1.69	.50		.30	.63		1.50				.36	.29	1.71			11.86
Huttig	do	.15	.28				.06	.63		.07			.85	.03	.13	.28	.06	.04			.43		.04						.40	.87		4.30
Jonesboro	White	*	4.71				*	.84					.50		.18		.04	.52					.10				.61	.44	*	1.25		9.19
Junction	Ouachita	.55					.63			.42		1.08					.16			T.								T.	.67			3.51
Lake Farm	Arkansas	2.00					1.20			.12			.22	.30	.21		1.20	.81					.10				.40	.72	2.80			10.08
Lewisville	Red	.40	.50					.83		.36			.89				.65	.28			.10		.45				.40		.70			5.56
Little Rock	Arkansas	1.28					1.64	.02		.03	.05		.06	T.			1.66	.23		.66	.35	2.28	T.			.07	.84	.15	1.44			10.76
Lutherville	do	2.00	.04				.34			.11			.12				.44	.42		.09		T.				.63		.12	1.09			5.40
Malvern ‖	Ouachita	3.10	.53					1.75			.10	T.	T.	.17			.10	.65		.20	.44		1.37				.10	.32	.10	1.38		10.31
Mammoth Spring	White	1.73	.11					.30		.04	.04		.90	.06			.04	.65		.11						1.02	2.27	.06	.53	.65		8.51
Marked Tree ‖	St. Francis																															
Mena	Ouachita	3.15					.25	.38		.57			.75	.01			.35	.75		.25	.06	.15				.14	.03	.31	1.12			8.27
Newport ‖	White	1.30	2.10					.73						.13				.65					.02				.45			1.23		6.61
Ozark	Arkansas																															
Pine Bluff ‖	do	3.00	.35					1.98			.05			.28			.10	1.22		T.		.02	.24				T.	.56	.10	1.05		8.95
Pocahontas	White	2.40	.45				.10	.25			.03		.35	.08				.10		.05			.45			.20	2.50	1.80	.90	.35		10.01
Pond	Arkansas	.77	.16				.26			.07			.17				.82	.17		.41		.28				.99		T.	1.97	.33		6.40
Portland ‖	Ouachita	.56	.75					.61			.56		.40	.57	T.	.85	.79	.20			.34	T.	.08				.03			.41		6.15
Prescott ‖	do	1.57	.65					1.30			.22		.30	.22			.35	1.87		.05			.10				.02	.50	.10	.42		7.67
Rogers	Arkansas	.89	.06				.32		.10				.03				.74	.32		.32						1.61			1.16	.72		6.27
Springbank ‖	Red	.55	.45				T.	1.23			.73	.02	.75	.38	T.		1.00	.76		T.	.10		.15			T.	T.	.43	.17	1.15		7.87
Stuttgart	Arkansas	3.16	.28				.75	.76			.22		.82	.28	.15		2.12	.45		.12	.05		.22			T.	.93	1.37	1.26			12.94
Subiaco	do	1.29	.03				.21			.08	T.		.10	.06			.48			.12		T.				.31	T.	.07	.25			3.60
Swain	White	2.45					.69			.18	.02	.02	.20	.07			.12	.33		.05		T.				1.29	1.71		.90	.19		8.22
Texarkana ‖	Red	.42	.54				T.	1.02			.50		.90	T.			.15	.75		T.	.12		.75				T.			1.15		6.30
Warren ‖	Ouachita	1.69	.83					1.25			.34		.45	.17	.35		1.59	1.55					.38					.36	2.35	1.54		12.85
Whiteclifts ‖	Red	1.30	1.70								.10		1.50				.15	1.50		.10	.44		.75				.01	1.25	T.	3.62		12.42
Wiggs	Ouachita	2.17					.64	1.30	.10	.12			.12	.11			1.30	.43		.28	.31		1.16			.22	.11	.14	1.66			10.17
Wynne ‖	St. Francis	.64	.58					1.66						.55	.25			.96			.18		.14				.10	1.32		1.21		7.59
Mississippi.																																
Anguilla	Yazoo	.30	.80				.20	.55			.85		1.65	T.		.90	3.05				.62	.17	.17				.05	.10	.25	2.07		11.73
Austin	do	.57	1.42					1.38			.12		.69		.16		.82	.17	.07		T.	.59			T.	.60	1.77	.32		2.16		10.84
Batesville ‖	do	1.26	1.00					1.38				.06		.42	.36		.10	.70			.03		.12					3.24	.21	.73		9.61
Big Creek	do	.85	.91								T.	T.	.04	.05		1.26	3.76			T.	T.	T.	.80				T.	1.04	T.	.20		8.91
Byhalia	do																															
Canton	Big Black		.15				.05	.33			.35		1.20		.04	2.30	.78				.64	.27	.63				.06	.37	.84			8.01
Charleston	Yazoo	.32	.60				.18	.70			.12		.58			1.50	2.20	.02			.13		.05					1.27	.08	1.15		8.90
Clarksdale ‖	do	1.73	1.19	.01				1.27				.05		.67	.67	T.		.89	T.	.01	T.		.02					1.07	.14	.53		8.25
Cleveland	do	.57	1.53				.10	1.12			.15		.54			.31	1.33						.11					2.37	1.60			9.73
Coffeeville	do																															
Corinth ‖	Mississippi	.54	1.36					1.20			.20	.04		.14	.22			.45	.02		.03		.58				T.	1.62	.04	1.80		8.24
Crenshaw	Yazoo	.33	.60				.28	.97			.12		.40	.78	.04	.01	.70	.40		.03	.02		.61				.18	2.86		.78		9.11
Denmark	do																															
Duck Hill	do	1.07	.19				.11	.42			.18		.42	.06		.83	4.47			T.	.59	.54	.10				T.	1.70	1.90	2.00		14.58
Edwards	Big Black	.35						.50			.50		1.35			2.45	1.44	T.			.50	.30	.30				.05	1.15	.40	1.50		10.79
Enid	Yazoo	.16	.94				.27	.97								.70	2.20											1.39		1.20		7.83
Fayette	Mississippi		.39					.67		T.	1.13		1.98			.48	.26				.17	.36							.82			6.26
Greenville ‖	Yazoo	3.49	.44					.93			.31		.12	.80		.75	.90	.54			.42	T.	.02						.14	.43		9.29
Greenwood ‖	do	4.50	.26					.71			.12			.67	T.	.50	1.72	5.28			.44	.05	.03						.11	2.12		16.51
Grenada	do																															
Hernando ‖	do	.47	1.60					1.08			T.	T.		.22	.64			1.05	T.		T.		.14				T.	2.94	T.	2.68	T.	10.82
Hickory Flat	do						.40	.60					.10	.07			.60						.95					2.10		.65		5.47
Holly Springs ‖	do	.60	1.44					1.45			.02	.05		.18	.04			.42	T.		.02		.82					2.58		1.24		8.86

TABLE 2.—*Daily precipitation for April, 1912. District No. 7*—Continued.

Stations.	Watershed.	Day of month.																													Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
Mississippi—Con.																																
Kosciusko ‖	Big Black	.52	.38					.86	.05		.21			.65	.01		1.77	2.30	.06		.75	.12	1.17					T.	.30	.95		10.10
Lake Cormorant	Yazoo	.65	1.37				.32	1.45					.25	.18			.58	.18		.07			.37			.07	.40	2.75	.50	1.57		10.71
Lula	do																															
Malone	do	.12	1.00				.47	.70			.17		.39				.45	.06					1.90					2.58	.45	1.20		9.49
Marks	do																															
Natchez ‖	Mississippi		.80						1.42		.97		.07	2.28			.36	.44			.25	.14								1.05		7.78
New Albany	Yazoo																															
Pontotoc	do	.30					.60	.40		.40			.32	.40	.50	2.00	1.00	.50		T.			.50				2.00	.50	1.00	.50		10.92
Port Gibson ‖	Mississippi		.44					.58	.12		.64		.27	1.62		.07	3.55	.56			.17	.56	T.					.13		.47		9.18
Rosedale	Yazoo	2.05	1.40					1.23			.10			.45	.05			1.75					.20					.40	.70	1.30		9.63
Senatobia	do						.21	1.16				.45		.16	.11		.73	.18					.90			.10	2.26	.28	1.25			7.79
Shoccoe	Big Black	.16	.43				T.	.45			.43		1.04		.04	3.50	1.52				.40	.15	.30				T.	.28		.13		8.83
Suffolk	Mississippi		.32					.49		.20	.40		2.37	.06	.05	.05	.85				.48	1.12					T.	T.	.62	.32		7.83
Swan Lake ‖	Yazoo	1.25	.25					.70				.12		.52			.07	1.26			.03		.11						1.41	1.74		7.46
Tchula	do	T.	.68				.20	.49			.21		.83	T.		.68	3.40	T.		T.	.80	.12	.83				T.	.14	.32	.83		9.53
University	do	.39	.38			.18		.89		.27			.08		.04		1.00	T.			.07	.31					T.	3.70	.10	.77		8.18
Utica	Mississippi		.28					.60			1.60		2.35			*	4.17				.87							.05		.54		10.46
Vicksburg	do	.25					.01	.23		.18	.35		2.23			2.34	.66	.01			.87	T.	.41				T.	.06	2.11			9.71
Water Valley	Yazoo		.42				1.40				.10		T.	T.		.55	1.00				.20	.45						2.20		.95		7.27
Woodville	Mississippi		.20					.31		.05	.48		3.07	.11			3.15	.04				.71	.04							.23		8.39
Yazoo City ‖	Yazoo	.36	.55					.89			.51		T.	.85	.24	.85	1.60	2.00			1.13	.22	.63					T.	.69	1.07		11.59
Louisiana.																																
Abbeville	Coast		.40					.25	.10	1.25	.08		T.		.11	.10	.92			.05	.05	.02								.65		3.98
Alexandria ‖	Red		.25						1.00		.62		3.23					.50			.10									1.25		6.95
Amite ‖	Coast		.50					.50			.50		T.	3.50	.85	.20	.80	5.80	T.		.12	.80	T.						.20	1.70		15.47
Antioch	Red	.70	.28				.48	2.00		.50	.28		1.55				.25				.30								.65			6.99
Avoca Island	Coast				.50	T.	1.80			.80	T.			1.25			T.														.25	4.60
Baton Rouge ‖	do		.55						.12		.30			1.12	.05		.79	4.05			.10	.11	.04						.30	.95		8.48
Burnside	do																															
Burrwood	do								.38								.20	1.30												.18		2.06
Cades	do	.45						.71	.17	.78	.22			T.		.07	2.06			T.	.10	T.								.40		4.96
Calhoun	Ouachita	.56	.42				T.	.59		.02			2.25		.30	1.32	.06	T.		T.	.51	.06	.23			T.	T.		.19	.43		6.94
Cameron	Coast	T.						.98	.44	.32	.46						1.60				.03								.04			3.87
Carrollton	do																															
Cheneyville ‖	Red		.20						1.00		.85		.60	.40			.10	1.65				.55								.50		5.85
Cinclare	Coast	.60						.20		.45			.80			1.10	3.60			.10	.20								2.10			9.15
Clinton ‖	do		.15					T.	.10		.20		.09	2.90	.10		.27	2.00			.07	.65	.08						T.	.35		6.96
Collinston	Ouachita	.02	.40					.45		T.	.12		1.56	.04		3.20	.90				.50	.08	.04				.06		.27	.55		8.19
Columbia	Red																															
Covington ‖	Coast		.19						.41		.13	.14	.05	4.00	.91	.30	3.68	2.75	T.		.57	2.33	.04						T.	.22	.02	15.74
Dodson	Red		.30					.98		.17			1.66			.76	.37				.31	1.14	.65						.68			7.02
Donaldsonville ‖	Coast		.58						.15		.83	1.05		2.00			.20	1.90			.10	.35	T.							.45		7.61
Dutchtown	do							.26		.45	.35		T.	1.25	.10	.45	1.92			.20	1.04	.15							.50	.34		7.01
Farmerville ‖	Ouachita	.64					.85			.11		.77	.58		.26	1.06	.06			.30		.25							.48			5.36
Ferriday	do		.48					.45			.95		1.15			2.50	.52				.22									.50		6.77
Franklin ‖	Coast			T.				T.	.29		.56		.01	.03	T.		.05	.47			.33	.04	.03							.08		2.19
Franklinton	Pearl		.24					.45		T.	.02		2.70	2.03	.01	.12	5.80	1.83			1.00	2.00					T.	T.		1.70		17.90
Grand Cane ‖	Red		.26					1.27			.32		.97			.02		.13			.69	.11	.61							.20		4.58
Grand Coteau	Coast	T.	.18					.15	.65	1.75	.05	T.	T.			.05	2.35												T.	.15		5.33
Hammond	do							.17				.46		1.55	1.00	.15	.45	2.65	.30			.75	.35								.32		8.15
Houma	do		.20							.35			.10	.95		.05	.10	.25			.30												2.30
Jena	Red	.30						.47		.46			.56				.48				.22	.59							1.20				4.28
Jennings ‖	Coast		.10						1.18		1.11	.05					.24	1.74				.05								.20		4.67
Laark	Red																															
Lafayette ‖	Coast		.01						.41		.90	.08		.03	.04	.20	.03	1.75			.02	.41	.05							.65		4.58
Lake Charles ‖	do		.16					.59	1.90		.80	.40						2.00				.15								.90		6.90
Lakeside	do							1.13	.20	1.20	1.20		.30				2.96															6.99
La Rose (near)	do		.10					.18		.10	1.20		.16	2.04	.13		.29	.20		.10	.47											4.97
Lawrence ‖	do								1.15		.05	2.10	.07	2.45		.08		1.34	.02		.50	.42									.19	8.37
Leesville	Sabine																															
Liberty Hill ‖	Red	T.	.67				T.	.70		.10	.05		2.50			.50	.10	T.			.80	.10	.42						.06			6.00
Logansport	Sabine							.78									.05	.08			.84		.68	.15						.10		2.68
Melville ‖	Red		.21						.49		.52			.08	.68		.08	2.04			.02	.47	.04					T.				4.63
Merryville	Sabine																															
Minden ‖	Red	.60	.83					1.48			.29		.77	.31	T.	.50	.20	.69			.59							.50		.19		6.95
Monroe ‖	Ouachita	.12	.15					.63			.15		1.85	.43	1.65	.23	1.70		.05		.60	.09	.06							.90		8.61
Morgan City	Coast		.11	T.					.10		.27	T.	T.	.25	T.	T.	T.	.22	T.		.05	T.	T.							.02	.01	1.03
Newellton	Mississippi		.37				T.	.21		T.	.61		2.37	.03		4.06	.94				.44	1.14							1.65	1.35		13.17
New Iberia	Coast	T.	.10					.45		.65	.55	T.	T.	T.	.18	.25	1.40	.60		T.	.20	T.				T.		T.	T.	.23		4.61
New Orleans (1)	do		.09					.01	.13	.06	.57	.01	1.07	.55	1.60	.05	.40	1.29		.19	.38	T.					T.	1.02		1.20		8.62
New Orleans (2)	do		.10						.13		1.02		.08	1.43	2.77	.06		1.25			.45	.04						.58	.38	.90		9.19
New Orleans (3)	do		.10					.01	.11	.01	.29	.28	1.08	.33	2.12		.30	1.35		.04	.46							.60		.94		8.02
New Orleans (5)	do		.10						.10	.03	1.34	.01	1.13	.70	1.85	.07	.57	.64		.20	.21							1.65		.86		9.46
New Orleans (6)	do		.08						.11	.06	.60		.93	.59	1.66	.04	.45	1.05		.11	.39							1.00		1.18		8.25
New Orleans (7)	do		.14					.10	.12	.09	.32		1.14	.33	2.19		.27	1.73		.08	.68	.01						.52		1.70		9.42
New Orleans (8)	do		.12						.10	.06	.67		.87	.27	1.12	.09	1.06	.37		.18	.29							.71		.94		6.85
Opelousas ‖	do		.05					.05	.33		.67	T.	.19	T.	T.	.41	.11	2.84			T.	.07										4.72
Paradis	do		.27				.07		.10		.26			1.17	.50			.50			.27									.20		3.34
Pearl River	do		.08	T.					.98			.20	.14	4.45	.60	.08	7.50	1.28	T.		.44	4.14	T.						3.34		.20	23.43
Plain Dealing	Red	.47					.73	.61					1.69		.27		.22	.34					.01			.06	.31	.02	.92			5.65
Rayne ‖	Coast		.26						.98		1.20	.05		T.		.05	.15	1.60			T.	.10						.06		.10		4.55
Reserve	do		.07						.06		.51	.74		3.22	.57	.38	.26	1.09			.24	.33									.46	7.96
Richland Plantation	Red																															
Robeline ‖	do		.33					1.60	1.75		.18		.98					.70			.60	.41								.35		6.90
Ruston	Ouachita																															
St. Francisville ‖	Mississippi		T.					T.		1.35			1.36		T.			4.13		T.								4.01			10.85
Schriever ‖	Coast							T.	.30			1.30		.54		.03	.05	.54	.03		.28	.03	.04							T.		3.14
Shreveport	Red	.35					.51	1.30		.24	.01	T.	1.08	.23			1.03			.41	.30	T.				T.	.06		1.97			7.49
Simmesport	do	.03	.54					T.	.76		.49		T.	.13	.03		.30	1.27			.02	.87	.05							.06		4.55
So. University Farm	Coast		.20					.05		T.	.73	T.	.01	2.10	2.90	.05	.04	1.72		1.00	.45	T.	T.					.58		.98		10.81
Sugartown	do							.62		.32							2.12				.38								1.15			4.59
Tallulah ‖	Mississippi		.62					.46			.22		1.30	.95	1.05	2.45	1.55	.47			.75	.55	.90							.95		12.22
Walker	Coast	.36								.42	.20	.03	1.04			.36	3.33								.03		1.31					7.58
Winnsboro	Red																															

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

TABLE 3.—*Maximum and minimum temperatures at selected stations for April, 1912. District No. 7, Lower Mississippi Valley.*

Date.	Colorado.						New Mexico.				Texas.				Kansas.										Oklahoma.			
	Lamar.		Leadville.		Pueblo.		Albert.		Cimarron.		Amarillo.		Paris.§§		Dodge City.		Ellinwood.		Iola.		Liberal.		Wichita.		Ardmore.§§		Bartlesville.	
	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....	40	31	28	12	49	31	71	34	44	26	41	31	64	55	42	30	42	31	47	39	40	30	43	33	50	48	54	43
2....	52	33	42	12	65	25	66	36	57	22	63	31	63	42	66	33	66	31	61	36	66	31	62	37	63	40	64	38
3....	74	40	48	16	74	26	77	41	69	22	70	37	72	39	75	40	77	34	73	44	76	38	71	43	72	42	75	38
4....	80	44	44	25	72	46	70	38	68	32	75	42	75	42	76	46	74	48	69	52	78	45	66	50	69	45	75	50
5....	82	41	44	25	75	41	72	36	69	31	79	47	74	50	85	44	86	48	76	54	85	49	77	52	76	51	76	49
6....	80	42	35	15	56	37	77	42	53	31	59	42	69	54	62	42	74	47	68	45	72	46	63	44	76	56	76	52
7....	67	25	52	11	66	24	69	38	59	26	59	32	59	50	58	30	60	28	57	35	62	28	56	36	57	47	59	42
8....	67	41	45	17	63	32	74	30	56	27	51	36	61	43	58	32	66	35	66	36	56	33	64	38	69	40	68	39
9....	75	36	51	19	69	32	71	36	66	23	75	40	60	45	73	41	77	42	68	47	75	40	72	48	58	50	65	45
10....	78	36	44	19	64	34	62	33	60	31	80	42	68	52	78	41	72	52	58	51	83	39	58	53	69	50	63	50
11....	78	39	46	12	68	33	74	38	66	28	78	42	74	58	77	43	81	46	72	52	74	42	78	54	81	55	73	52
12....	76	44	38	20	66	40	68	31	60	36	77	45	80	58	80	52	80	54	80	60	80	52	77	58	78	53	81	57
13....	68	34	26	11	57	38	65	31	51	27	64	36	74	58	69	44	72	48	73	60	75	41	70	51	68	55	74	64
14....	63	35	31	13	65	43	72	31	61	36	64	42	80	49	68	41	65	45	73	49	73	38	69	48	81	52	77	46
15....	68	33	41	9	55	34	60	37	54	28	60	38	88	54	61	37	61	35	65	45	64	40	61	42	78	54	74	52
16....	61	34	39	18	58	36	50	39	49	33	50	40	65	53	56	36	54	34	50	37	59	41	49	36	59	51	50	42
17....	60	30	39	15	52	32	61	41	51	31	62	38	63	44	55	29	48	23	45	35	59	29	47	33	62	40	55	39
18....	53	30	37	13	40	31	60	36	53	27	59	40	64	41	42	27	57	23	56	38	51	31	55	32	66	43	60	35
19....	54	32	40	11	53	29	65	35	59	29	72	43	72	43	52	39	57	43	56	44	56	37	55	43	75	52	55	36
20....	63	42	24	16	54	34	62	39	53	31	69	45	76	54	72	41	67	46	74	48	70	43	64	47	77	55	73	45
21....	53	34	29	12	50	32	64	35	54	22	71	37	84	57	53	36	65	40	70	47	64	36	63	42	81	63	72	52
22....	66	33	36	7	56	30	65	33	60	20	70	36	74	50	63	29	65	31	63	43	65	32	63	37	72	46	66	44
23....	68	35	41	9	60	34	69	39	64	29	69	42	78	47	69	40	69	44	70	39	71	38	66	46	80	45	73	41
24....	77	35	49	18	76	34	72	39	71	33	74	44	85	47	75	41	74	34	76	39	78	39	74	44	85	53	80	47
25....	76	49	38	21	66	46	68	44	64	31	78	54	87	54	80	45	84	55	62	53	76	41	70	53	77	65	75	52
26....	69	42	39	13	57	38	67	40	61	32	73	42	86	65	69	42	74	46	73	56	70	43	73	50	83	68	73	57
27....	71	43	42	25	65	39	72	54	68	36	82	46	80	66	69	48	72	48	71	49	68	45	71	50	80	61	77	57
28....	68	40	44	18	62	44	75	43	59	32	58	44	76	60	54	46	61	47	71	53	66	44	70	46	76	60	74	55
29....	69	31	49	22	76	35	66	39	68	31	74	40	66	55	61	44	56	43	61	48	66	38	58	46	69	55	67	51
30....	85	44	49	30	81	49	85	52	74	47	89	50	83	48	84	49	82	47	76	44	87	37	78	47	85	51	75	49
Mns..	68.0	36.9	40.3	16.1	62.3	35.3	68.3	37.6	60.0	29.7	68.5	40.8	73.3	51.1	66.1	39.6	67.9	40.9	66.0	45.9	68.8	38.9	64.8	44.6	72.4	51.5	69.3	47.2

Date.	Oklahoma.														Missouri.										Blandville, Ky.		Jackson, Tenn.	
	Enid.§§		McAlester.		Mangum.§§		Muskogee.		Oklahoma.		Weatherford.§§		Woodward.		Caruthersville.		Ironton.§§		Lamar.§§		Olden.		Springfield.					
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
1....	47	37	58	49	68	37	60	47	50	36	55	37	60	42	62	53	60	54	68	42	60	54	57	40	65	55	71	55
2....	66	35	65	41	70	38	61	38	61	35	66	34	66	39	66	41	58	38	45	42	59	36	53	32	61	41	70	47
3....	76	38	74	43	75	35	73	43	70	45	72	36	75	42	81	38	70	31	59	32	.....	.....	70	45	63	40	75	39
4....	70	47	72	44	70	45	72	49	67	50	70	48	71	53	86	46	75	38	73	44	.....	.....	71	50	73	49	76	59
5....	83	55	76	53	75	48	77	55	74	55	76	51	80	54	84	57	79	57	73	48	.....	.....	77	55	74	60	74	56
6....	67	60	72	56	74	45	72	49	75	51	75	55	75	61	69	59	71	59	77	55	75	57	70	47	68	60	72	59
7....	61	38	62	45	65	43	64	43	57	40	60	35	62	38	61	47	59	39	73	52	59	39	54	37	60	44	63	33
8....	70	34	70	37	67	34	67	40	65	42	66	33	69	38	76	43	65	29	58	37	67	33	63	38	61	39	66	34
9....	76	41	70	50	78	43	64	47	63	51	74	39	70	48	83	39	72	34	68	42	68	38	58	44	69	43	74	38
10....	75	51	70	52	84	35	67	51	70	54	83	50	61	54	83	47	67	50	64	47	69	39	64	49	73	53	76	56
11....	81	55	75	55	85	56	78	54	79	58	85	57	79	54	92	54	80	45	63	51	75	49	75	49	75	56	83	57
12....	84	53	82	58	85	57	82	70	75	57	83	56	82	64	81	56	80	56	78	52	74	56	73	58	77	60	78	56
13....	71	51	81	59	74	47	78	70	70	53	73	47	78	55	85	57	67	56	80	60	75	41	79	57	70	59	78	55
14....	79	51	79	56	83	45	79	52	76	50	79	45	77	49	90	58	80	45	78	58	78	40	74	53	79	63	80	56
15....	68	50	79	55	72	48	76	51	68	49	69	46	70	48	97	54	82	42	76	54	82	56	71	53	81	58	82	57
16....	55	48	73	48	57	49	68	45	56	44	59	48	67	45	74	58	56	50	69	49	73	49	53	39	71	59	71	55
17....	60	46	58	42	68	34	53	40	59	36	65	32	58	32	63	51	45	45	58	42	52	43	40	37	63	47	66	59
18....	56	32	60	38	64	36	61	35	56	41	58	35	56	34	76	42	57	34	44	38	57	36	51	33	51	39	55	46
19....	55	35	74	48	71	45	69	47	65	45	58	40	56	44	69	43	57	31	59	38	54	39	52	42	58	39	61	38
20....	65	45	76	51	85	48	77	50	72	51	80	47	67	48	88	52	71	42	50	40	71	42	70	46	69	49	73	38
21....	75	45	83	64	81	43	77	61	72	49	75	39	70	44	90	57	77	53	76	44	76	49	75	46	74	56	80	60
22....	68	42	80	46	75	48	73	46	64	44	80	40	66	42	78	56	62	47	72	54	64	41	58	43	72	50	74	59
23....	68	44	79	45	85	43	76	43	76	50	80	42	77	46	86	53	71	32	65	44	69	42	65	42	66	44	74	40
24....	82	44	86	52	85	47	83	63	80	47	82	40	80	42	92	51	77	41	71	50	76	48	74	50	73	57	76	45
25....	83	47	75	60	91	48	74	58	76	62	89	46	77	55	75	54	63	45	77	42	66	53	62	50	73	56	80	46
26....	70	52	84	71	85	50	79	66	77	56	81	50	76	54	88	60	78	51	76	53	79	47	74	54	74	65	74	63
27....	77	55	79	57	80	44	77	59	77	60	76	50	74	54	90	49	71	50	75	54	74	53	72	51	71	59	72	60
28....	72	53	76	57	73	58	75	57	71	55	70	54	75	54	77	60	70	54	74	51	70	58	64	52	67	56	80	58
29....	62	49	74	53	74	47	65	53	60	49	67	51	68	49	72	56	59	56	70	54	61	49	54	46	66	51	73	61
30....	83	48	83	46	95	49	80	48	81	52	82	49	82	51	61	50	67	46	64	48	66	46	69	45	56	43	63	51
Mns..	70.2	46.0	74.2	51.0	76.5	44.8	71.9	51.0	68.7	48.9	72.9	44.4	70.8	47.8	79.2	51.4	68.2	45.0	67.8	47.2	68.5	45.7	64.7	46.1	68.4	51.7	73.0	51.0

TABLE 3.—*Maximum and minimum temperatures at selected stations for April, 1912. District No. 7*—Continued.

Date.	Tennessee.				Arkansas.																		Mississippi.					
	Kenton.		Memphis.		Benton. ville.		Corning.		Dardanelle.§§		El Dorado.§§		Fort Smith.		Little Rock.		Pine Bluff.§§		Texarkana.§§		Wynne.§§		Clarksdale.§§		Corinth.§§		Greenville.§§	
	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....	65	54	73	56	58	44	.....	.....	61	56	64	46	63	48	68	56	75	61	74	56	69	55	77	54	74	52	80	55
2....	64	44	61	46	59	34	.....	.....	62	47	59	48	62	43	60	48	65	50	63	44	60	50	55	54	60	56	58	51
3....	65	38	68	46	72	41	.....	.....	75	39	76	39	74	43	72	42	74	38	74	37	65	41	72	41	69	38	70	39
4....	74	45	72	57	69	48	.....	.....	76	43	78	54	73	50	74	52	77	46	78	40	69	46	75	44	75	45	77	54
5....	74	56	74	62	74	56	.....	.....	78	51	78	54	78	55	76	60	78	50	78	47	65	59	78	51	74	52	78	56
6....	68	60	68	56	71	50	.....	.....	66	60	68	58	69	57	66	58	66	62	65	56	65	62	68	59	70	58	68	51
7....	64	47	56	48	56	40	77	42	62	48	59	52	62	47	59	51	60	52	59	53	62	51	59	53	56	48	61	51
8....	62	39	59	45	66	36	66	37	65	36	67	44	65	42	62	46	65	28	69	39	60	34	65	40	64	37	61	41
9....	71	39	68	49	58	44	70	40	68	39	79	42	58	47	72	45	75	40	67	55	70	37	75	40	73	40	74	41
10....	73	54	66	56	69	49	68	54	66	50	70	49	67	51	62	54	68	44	72	50	67	52	68	44	74	47	68	55
11....	77	56	76	57	77	51	79	50	81	51	80	50	80	53	80	57	80	50	81	51	74	50	83	55	80	52	83	55
12....	79	56	71	60	79	58	77	61	81	61	79	62	82	60	73	63	78	60	83	55	65	60	73	59	74	61	75	54
13....	73	59	76	60	78	58	78	56	85	61	85	68	82	63	84	63	84	62	82	60	76	59	80	63	70	60	81	62
14....	81	61	81	65	75	54	82	59	84	50	83	56	80	56	82	60	84	58	83	61	77	59	83	63	82	62	83	64
15....	81	56	79	64	76	48	86	53	92	47	80	62	84	56	83	60	85	57	90	58	83	56	76	62	80	64	73	63
16....	69	55	66	60	56	40	76	58	66	61	71	64	66	47	67	55	69	58	70	60	63	61	67	61	64	56	71	62
17....	66	52	61	51	45	37	62	51	54	49	61	54	50	43	56	49	59	42	60	48	55	54	60	57	69	58	62	59
18....	54	42	55	47	56	36	60	40	64	41	68	41	62	39	64	43	65	44	69	39	57	43	64	46	60	48	65	48
19....	59	38	58	47	64	43	59	40	65	47	74	53	75	48	60	49	74	50	77	40	56	42	68	48	64	37	73	49
20....	75	50	74	53	74	48	74	49	67	49	76	55	78	53	73	52	77	52	79	54	67	52	76	51	71	46	74	53
21....	78	56	77	60	78	50	79	59	83	53	78	58	82	62	78	59	80	50	83	49	72	60	76	57	78	54	78	57
22....	73	52	67	57	62	43	77	50	71	52	76	60	68	48	70	55	74	48	74	53	65	55	72	60	74	57	77	63
23....	69	41	66	50	72	37	72	41	76	41	76	45	78	44	71	52	75	46	78	46	75	42	75	46	73	42	75	50
24....	76	53	76	58	79	48	80	50	87	47	61	49	84	53	79	55	81	49	83	48	75	50	81	48	80	48	81	50
25....	76	51	76	62	71	53	79	58	73	49	78	52	75	56	73	61	78	56	74	57	73	53	81	48	78	52	82	52
26....	76	57	75	66	79	62	79	55	80	61	85	58	85	65	78	65	74	68	72	63	77	68	79	62	76	58	83	61
27....	75	58	73	62	75	54	78	58	76	60	79	69	75	58	71	65	75	64	83	62	74	62	71	65	66	60	77	70
28....	79	62	79	60	70	52	73	62	65	60	82	69	75	58	75	61	68	65	74	67	82	64	82	65	80	60	82	66
29....	70	55	69	55	57	49	64	55	67	57	71	60	64	55	69	53	72	56	80	56	72	62	74	64	78	62	76	65
30....	58	50	64	53	79	44	64	50	73	47	78	50	79	48	70	48	74	50	80	51	67	51	71	48	62	52	74	52
Mns..	70.8	51.2	69.5	55.6	68.5	46.9	73.3[f]	51.2[f]	72.3	50.4	74.0	54.0	72.5	51.6	70.9	54.6	73.6	52.5	75.1	51.8	68.6	53.0	72.5	53.6	71.6	52.1	74.0	55.0

Date.	Mississippi.						Louisiana.																			
	Kosciusko.§§		Natchez.§§		Vicksburg.		Alexandria.§§		Baton Rouge.§§		Covington.§§		Lafayette.§§		Lake Charles.§§		Monroe.§§		New Orleans.		Robeline.§§		Schriever.§§		Shreveport.	
	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.....	79	54	83	62	80	58	80	62	83	67	83	65	81	66	76	48	77	50	82	69	75	60	85	59	76	51
2.....	60	56	60	52	60	50	65	50	69	55	70	58	70	57	74	49	58	49	74	55	69	47	85	52	60	46
3.....	71	38	72	40	68	46	77	42	74	45	79	45	74	44	75	39	75	45	69	51	72	35	83	46	70	45
4.....	75	43	77	49	75	53	80	42	75	48	80	44	77	46	70	40	76	55	72	56	73	42	85	45	75	50
5.....	79	54	77	55	75	55	79	47	79	54	79	45	79	50	77	40	77	49	76	55	77	44	81	46	76	58
6.....	69	55	77	63	73	63	77	57	78	60	80	51	79	59	79	42	74	58	78	62	79	38	84	47	67	62
7.....	57	50	78	52	67	52	60	55	72	61	72	64	67	65	66	59	58	52	76	56	71	51	82	46	65	53
8.....	67	42	70	48	66	47	72	50	68	50	70	51	68	50	66	47	72	45	65	51	68	43	81	50	68	46
9.....	75	40	69	48	69	51	67	49	79	51	75	48	71	52	64	48	71	48	73	57	64	44	77	51	63	51
10.....	74	50	77	60	72	56	86	50	80	62	76	50	79	58	75	56	75	54	78	64	73	44	82	64	73	55
11.....	85	56	81	63	80	62	85	62	82	63	80	65	79	64	77	59	82	57	78	65	85	55	85	61	82	63
12.....	74	60	68	65	72	60	75	65	74	67	73	63	84	65	78	61	76	60	77	62	77	61	87	65	79	62
13.....	81	61	82	62	81	63	85	62	78	64	80	62	88	65	87	62	83	62	83	63	89	61	87	64	82	64
14.....	82	62	81	64	81	66	90	64	83	66	80	63	89	67	88	64	85	62	78	68	88	59	86	65	85	62
15.....	68	67	87	70	71	62	85	70	80	68	78	66	80	70	78	65	69	65	82	67	81	66	82	69	81	66
16.....	66	60	73	64	71	62	80	63	74	71	76	66	74	68	72	68	72	62	79	66	76	68	80	73	76	57
17.....	73	61	73	62	67	54	77	60	75	60	79	65	78	64	81	58	72	57	76	66	71	55	82	66	64	50
18.....	67	46	72	48	66	50	80	48	76	51	78	53	79	53	76	48	72	52	73	58	72	42	79	55	68	46
19.....	73	47	80	50	73	53	86	49	79	56	84	54	81	54	81	50	78	50	78	59	80	42	84	54	76	54
20.....	72	49	76	56	69	56	82	56	82	60	75	56	83	58	80	57	70	57	77	65	75	52	81	59	70	58
21.....	79	54	84	60	77	60	82	60	78	65	82	57	86	63	81	61	76	59	83	74	82	59	82	67	77	62
22.....	79	63	82	64	76	62	85	70	80	67	89	65	82	71	84	62	78	57	84	71	80	65	89	69	77	59
23.....	74	46	84	60	75	55	82	55	77	55	85	58	78	56	80	55	77	56	76	63	81	44	82	58	78	54
24.....	81	47	81	58	80	55	84	53	81	53	85	50	81	54	82	52	82	56	75	61	82	44	86	52	80	57
25.....	82	50	82	57	83	57	80	53	83	61	83	53	81	61	79	56	80	58	80	62	78	48	89	54	77	62
26.....	82	60	86	67	83	68	86	62	84	69	89	60	83	66	84	59	84	60	85	71	85	60	89	62	82	72
27.....	82	68	90	70	84	66	91	73	86	71	89	73	88	74	85	69	86	71	85	70	89	70	90	73	85	71
28.....	85	64	84	71	84	64	85	73	79	74	87	72	89	73	85	68	81	71	84	70	83	70	91	69	82	69
29.....	78	63	85	65	76	64	85	64	83	66	88	68	88	66	86	61	76	65	86	61	79	62	89	71	70	59
30.....	76	57	80	57	75	58	86	56	85	59	85	59	88	57	86	52	76	56	80	66	86	48	85	59	80	54
Mns.....	74.8	53.9	78.4	58.7	74.3	57.6	80.5	57.4	78.5	60.6	80.3	58.3	80.1	60.5	75.1	55.2	75.6	56.6	78.1	62.8	78.0	52.6	84.4	59.0	74.8	57.3

[a], [b], [c], etc., indicate respectively 1, 2, 3, etc., days missing from the record.
§ § Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.