CLIMATOLOGICAL DATA FOR JULY, 1913.

DISTRICT NO. 9, COLORADO VALLEY.

FREDERICK H. BRANDENBURG, District Editor.

GENERAL SUMMARY.

The hot dry weather characteristic of early summer in the Colorado Basin prevailed during the first 5 or 6 days. The following week was marked by scattered thundershowers, which caused some improvement in conditions, but high temperatures continued in the southern half of the district. Beginning on the 14th showers became general, and for 10 days they occurred over the greater part of the district. In localities in Arizona, western New Mexico, and eastern Utah the 24-hour falls exceeded an inch. While the precipitation for the entire month was about normal it exceeded the combined total for April, May, and June, which was only 1.37 inches. Sheep and range cattle industries and dry-farming interests suffered from the drought, and irrigation ditches which receive their supply from the smaller streams experienced a shortage of water. The Indian agencies in the plateau region of northeastern Arizona reported that the season thus far had been so deficient in precipitation as to endanger all crops on the reservations. More rain is needed to bring the ranges in different parts of the district into good condition.

TEMPERATURE.

The mean temperature for the stations reporting was 72.4°, or 1.6° below the normal. The mean for July, 1912, was 70.9°. The highest monthly mean was 90.6°, at Quartzite, Ariz., and the lowest 46.5°, at Corona, Colo. As a whole the first half of the month was warmer than the seasonal average, while the last half was consistently cooler than the average, with marked daily deficiencies in the southern half of the district. During this period freezing temperatures occurred at a number of high stations in the different areas. The lowest temperature, 24°, occurred at Dillon and Fraser, Colo., and Strawberry Tunnel (east), Utah, on the 12th. Temperatures of 100° or higher occurred in the different areas except western Wyoming. The highest temperature, 121°, occurred at Parker, Ariz., on the 15th.

Details of temperature are summarized in the following table:

Areas of States in District No. 9.	Temperature.					
	Mean.	Departure from normal.	Highest.	Station.	Lowest.	Station.
Western Wyoming	60.7	+0.7	95	At 2 stations	30	At 2 stations.
Western Colorado	63.9	−1.6	104	Palisades	24	Do.
Eastern Utah	70.8	−1.5	111	St. George	24	Strawberry Tunnel (east).
Western New Mexico	72.2	−1.1	108	At 3 stations	31	Berger's ranch.
Arizona	78.6	−2.0	121	Parker	28	Alpine.
Southeastern Nevada	79.4	+3.6	113	Logan	40	Caliente.

PRECIPITATION.

The average for the 202 stations reporting was 1.68 inches, or 0.04 inch below the normal. The average for July, 1912, was 2.65 inches. The first 5 days were practically without rain. From the 6th to the 10th scattered showers occurred in the different areas, except western Wyoming. The 14th marked the beginning of fairly well-distributed showers throughout the district. The last 3 days were showery in Arizona and western New Mexico, but in the rest of the district the period from the 25th to the end of the month did not add materially to the water supply. The greatest monthly amount was 4.75 inches at Chlarson's Mill and Fairbank, Ariz., and the least, a trace, at Caliente, Nev. Light snow fell at Grandlake, Colo., on the 11th, and on a number of dates at Corona, Colo. The average number of days with 0.01 inch or more precipitation was 6 in western Wyoming, 10 in western Colorado, 7 each in eastern Utah, western New Mexico, and Arizona, and 2 in southeastern Nevada. The average for the district as a whole was 7 days.

The average precipitation and departures from the normal on the different watersheds are given in the following table:

Watershed.													
Green.		Grand.		San Juan.		Little Colorado.		Gila.		Mimbres.		Colorado proper.	
Average.	Departure.	Average.	Departure.	Average.	Departure.	Average.	Departure.	Average.	Departure.	Average.	Departure.	Average.	Departure.
1.56	+0.20	1.80	+0.04	1.50	+0.01	1.96	−0.13	1.99	−0.24	1.91	−0.20	1.25	+0.21

MISCELLANEOUS.

The average amount of sunshine, in percentages, with departures from the normal, was as follows: Grand Junction, 77, ±0; Durango, .4, −3; Phoenix, 79, −5; and Yuma, 89, ±0.

The relative humidity reported was: Grand Junction, 44, +9; Durango, 51, −6; Phoenix, 38, +2; and Yuma, 45, +1 per cent.

RIVERS.

The volume discharged by the Colorado and tributaries was much below the normal, and the least in 3 years. The highest stages occurred at the beginning of the month after which there was a steady decline until the 17th. As a result of showers there was a moderate rise in the upper reaches until the 25th. The lowest stages occurred generally at the end of the month.

TABLE 1.—*Climatological data for July, 1913. District No. 9, Colorado 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.	Observer.
				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.		
Wyoming.																				
Battle Mountain	Carbon	7,300	1																	U. S. Forest Service.
Big Piney	Lincoln	6,800																		Ira Dodge.
Daniel	do	6,740	14	57.2	+ 0.7	84	9	30	12†	46	1.11	+ 0.31	0.40	0	6	13	17	1	nw.	J. M. VanDervort.
Eden	Sweetwater	6,577	4	62.0		88	9†	34	12†	46	2.04		0.85	0	7	16	14	1	sw.	Eden Val. L. & I. Co.
Green River	do	6,083	8	64.7		95	6	31	31	50	0.96		0.86	0	2	6	24	1	w.	Geo. H. Maxon.
Pinedale	Fremont	7,167	7	60.2		86[d]	10	30[d]	31	47	1.09		0.46	0	6	13[d]	11[d]	3[d]	nw.	U. S. Forest Service.
Wamsutter	Sweetwater	6,702		65.2		95	5	33	30	46	1.29		0.56	0	9	15	10	6	sw.	T. C. Sherman.
Willow Creek Cabin	Fremont	7,500	4																	U. S. Forest Service.
Colorado.																				
Ashcroft	Pitkin	9,483	11	54.3	− 0.4	82	2	30	27†	49	2.53	+ 0.48	0.42	0	14					Dan McArthur.
Blue Valley Ranch	Grand	7,525		61.3		89	6	33	31	45	1.67		0.50	0	8	14	10	7		L. R. Hubbard.
Breckenridge	Summit	9,536	24																	Dr. Edwin H. Taylor.
Cascade	San Juan	8,900	6								2.02		0.40	0	12	15	9	7		Western Colorado Power Co.
Cedaredge	Delta	6,175	15	69.4	− 0.3	94	6	44	28	40	0.95	+ 0.10	0.27	0	8	14	13	4		Harry A. Cobbett.
Cochetopa	Saguache	9,088	4								2.67		0.50	0	10	4	7	20	sw.	Miss Bessie McDonough.
Collbran	Mesa	6,000	20	66.8	− 1.5	92	6	44	28	40	2.12	+ 0.92	0.46	0	13	18	11	2	sw.	A. A. Wood.
Columbine	Routt	8,766	3								3.94		0.63	0	13	16	7	8	sw.	Mrs. M. A. Caron.
Columbine Ranch	Delta	6,925	3								1.37		0.45	0	5	21	5	5	s.	George W. Wade.
Corona	Grand	11,660	6	46.5		66	6	30	28	26	4.41		0.80	T.	19				w.	U. S. Weather Bureau.
Cortez	Montezuma	6,100	2	69.5		96	5	43	30	47	0.13		0.08	0	2	31	0	0	sw.	W. G. Clucas.
Crawford (near)	Montrose	6,600	3	66.3		91	6	43	28	36	1.89		0.70	0	9	15	16	0		C. W. Roe.
Crested Butte	Gunnison	8,867	3	54.8		81	5†	28	1	48	1.69		0.33	0	10	9	8	14		Charles L. Ross.
Delta	Delta	4,965	23	76.5	+ 2.5	103	6	45	3	52	1.88	+ 1.01	0.85	0	6	16	12	3		E. M. Getts.
Dillon	Summit	8,800	3	53.1		82	6	24	12	52	2.71		0.52	0	15	12	6	13	sw.	Mrs. Nannie B. Strong.
Durango	La Plata	6,534	19	66.9	− 1.8	94	5	39	28	46	2.47	+ 0.92	0.69	0	14	10	18	3	nw.	U. S. Weather Bureau.
Eureka	San Juan	10,000	6								1.29		0.80	0	4	16	8	7	s.	Western Colorado Power Co.
Fraser	Grand	8,560	4	51.9		79	5	24	12	50	2.71		0.79	0	11	5	7	19	w.	L. D. C. Gaskill.
Fruita	Mesa	4,510	14	70.2	− 4.6	103	6	42	28	51	0.38	− 0.53	0.12	0	4	17	14	0	sw.	J. B. Willsea.
Glade Park	do	7,000	2								1.13		0.33	0	9	17	14	0	sw.	A. F. Terrill.
Gladstone	San Juan	10,400	6								2.75		0.97	0	11	10	13	8	ne.	Western Colorado Power Co.
Glenwood Springs (near).	Garfield	5,823	15	62.8	− 4.5	96	4†	37	29	56	1.46	+ 0.11	0.48	0	9	23	6	2	w.	E. A. O'Neil.
Grand Junction	Mesa	4,602	22	76.4	− 2.8	100	6	56	30	36	0.31	− 0.19	0.17	0	6	15	12	4	se.	U. S. Weather Bureau.
Grandlake	Grand	8,153	5								2.63		0.92	T.	10	13	12	6	w.	Mrs. Belle Kauffman.
Grand Valley	Garfield	5,089	21	70.6	− 2.0	102	6	41	29	53	1.38	+ 0.46	0.58	0	10	11	12	8		David Evans.
Gunnison	Gunnison	7,670	20	59.4	− 1.7	86	5	30	28	50	0.87	− 0.87	0.56	0	6	13	18	0	sw.	Clarence Adams.
Hayden	Routt	6,337		63.8		95	6	35	12	53	1.24		0.54	0	9	8	11	12	s.	A. W. Friederich.
Hesperus (near)	La Plata	7,610	1								2.36		0.84	0	9	11	8	12		G. F. Snyder.
Horsefly	Montrose	8,700	3								2.81		0.78	0	10	17	10	4	sw.	Lawrence J. Finch.
Ironton	Ouray	10,000	3								2.08		0.40	0	9	11	10	10	s.	Mrs. Amanda E. Foley.
Lake City	Hinsdale	8,686	8	59.8		86	5	31	27	43	2.82		0.70	0	15	13	10	8	s.	J. F. Maurer.
Lay	Moffat	6,190	19	64.6	− 1.9	96	6	33	13	55	0.12	− 0.84	0.04	0	5	23	4	4	w.	A. G. Wallihan.
Mancos	Montezuma	6,960	14	66.4	− 0.2	93	5	35	1	52	2.09	+ 0.43	0.55	0	13	6	20	5	w.	Miss Gertrude Rickner.
Marble	Gunnison	7,951	4	59.0		87	6†	32	12†	47	1.95		0.42	0	12	24	7	0	ne.	F. E. Morse.
Marshall Pass	Saguache	10,846	10								1.75	− 0.31	0.20	0	12	10	5	16		Wm. L. Williams.
Meeker (near)	Rio Blanco	6,182	21	63.0	− 2.0	90	6†	37	12†	48	1.10	− 0.54	0.40	0	13	13	9	9	sw.	T. Baker.
Montrose	Montrose	5,811	24	69.8	+ 0.1	95	6†	42	28	42	0.68	− 0.19	0.25	0	6	20	11	0		U. S. Reclamation Service.
Nast	Pitkin	7,953	3	56.6		84	5†	31	28	49	2.15		0.53	0	5	17	10	4	w.	Arthur Hanthorn.
Pagosa Springs	Archuleta	7,108	6	62.0		93	5†	27	28	57	1.29		0.33	0	9	12	18	1	sw.	E. T. Walker.
Palisades	Mesa	4,729	2	75.2		104	6†	46	28	54	0.95		0.50	0	5	13	17	1		E. P. Updegraff.
Paonia	Delta	5,694	18	70.7	− 1.4	99	6	45	28	45	0.90	− 0.10	0.25	0	7	12	18	1	sw.	J. M. Underwood.
Pitkin	Gunnison	9,500	4								2.44		0.85	0	9	16	8	7		Mrs. Maggie Cammann.
Redcliff	Eagle	8,695	20								3.25	+ 1.05	0.60	0	13	14	3	14		Dorothea Greiner.
Redvale	Montrose	6,300		67.2		93	7	43	28	39	1.63		0.55	0	8	16	5	10	sw.	Dr. E. S. C. Foster.
Rico	Dolores	8,824	11								1.97	− 1.09	0.44	0	10	19	4	8	s.	Clinton B. Smith.
Rifle	Garfield	5,437	2	70.1		99	7	45	2	46	1.27		0.79	0	9	18	6	7	sw.	Herman Eiche.
River Portal	Montrose	6,570	7	70.4[f]		100	6	47[k]	1†	46[k]	0.86		0.26	0	6	17	13	1		U. S. Reclamation Service.
Sapinero (near)	Gunnison	8,125	10	57.4	− 1.6	82	7	31	28	43				0		15	15	1	w.	W. F. Irving.
Shoshone	Garfield	6,110	3																	Central Colorado Power Co.
Silverton (near)	San Juan	9,400	6	53.2		80	5	26	28	46	2.67		0.89	0	13	8	9	14	sw.	Western Colorado Power Co.
Spruce Lodge	Grand	9,600	5								3.26		0.92	0	13	12	6	13	s.	H. J. Wills.
Steamboat Springs	Routt	6,683	10	58.8[d]	− 2.3	90[d]	6	29[d]	12†	58[d]	2.01	+ 0.78	0.49	0	8	19[d]	7[d]	1[d]		Herbert B. Gee.
Tacoma	La Plata	7,300	6								1.44		0.41	0	10	8	12	11	s.	Western Colorado Power Co.
Telluride	San Miguel	8,756	1	59.2		90	5	30	27	57	3.89		0.56	0	11	15	10	6	nw.	David S. Painter.
Terminal Dam	La Plata	8,300	6								1.34		0.28	0	10	21	8	2	sw.	Western Colorado Power Co.
Yampa (near)	Routt	8,000	4								3.24		0.95	0	9	18	13	0	sw.	Wm. A. Charls.
Utah.																				
Aneth	San Juan	4,800	9	78.4		103	6	52	12	48	1.02		0.42	0	4	22	9	0		Howard R. Antes.
Bluff	do	4,200	1	78.2[e]		102	5	55[f]	29	40[f]	0.61		0.30	0	5	17	2	12		Herbert H. Redd.
Canaan	Washington		0								1.49		0.80	0	6					J. M. Lauritzen.
Castle Dale	Emery	5,500	14	66.4	− 3.1	98	6	38	1	49	1.08	+ 0.54	0.35	0	6	22	9	0		Miss Fay Jeffs.
Cisco	Grand	4,100	13																	John J. Anderson.
Dragon	Uinta	6,000	3	70.4		96	6	46	12	42	1.73		0.26	0	15	22	6	3	s.	Homer D. Ford.
Duchesne	Wasatch	5,500	6	66.0		91	5†	39	28	48	0.96		0.38	0	8	8	15	8		Matthew M. Smith.
Elkhorn	Uinta	6,657	3								1.54		0.90	0	11	7	21	3		Chas. de Moisey, jr.
Emery	Emery	6,200	12	60.6	− 5.3	89	13	35	10	49	1.22	+ 0.80	0.79	0	3	7	0	24	sw.	Hans C. Wickman.
Escalante	Garfield	5,700	10	68.6	− 0.9	94	7	43	27	45	2.14	+ 0.82	0.75	0	6	16[a]	0[a]	14[a]		Geo. H. Barney.
Fort Duchesne	Uinta	4,941	25	70.2	− 0.9	95	6†	41	28	45	1.31	+ 0.80	0.70	0	8	15	10	6	w.	Geo. W. Dickson.
Fruitland	Wasatch	7,625	3																	J. Peter Naab.
Grayson	San Juan	6,000	6	71.1		95	6	49	26	40	0.19		0.06	0	4	20	11	0	sw.	E. F. Thompson.
Green River	Emery	4,080	13	77.9	− 2.1	106	6	48	28	53	0.59	+ 0.36	0.26	0	5	13	18	0	sw.	Edgar E. Adams.
Hanksville	Wayne	4,200	2																	F. J. Weber.
Hite	Garfield	3,500	13	83.8	− 0.9	110	6	57	27	44	0.44	+ 0.04	0.17	0	5	13	16	2	sw.	John P. Hite.
Hurricane	Washington	3,800	1								0.72		0.30	0	4	10	15	6		Amos Workman.
Kanab	Kane	4,925	5	73.4		104	6	45	24	46	1.20		0.39	0	9					Vermilion Company.
La Sal	San Juan	7,000	10	64.9[j]		86[j]	7	45[k]	26†	33[k]	0.62[f]		0.21	0	6[f]	7[g]	0[g]	17[g]		Gertrude W. Carpenter.
Leeds (near)	Washington	3,400	1	79.3		105	6	55	27	39	0.97		0.51	0	2	6	1	24		B. F. Anderson.
Loa	Wayne	7,000	17																	F. E. Brown.
Manila	Uinta	6,225	3	63.1		87	9†	37	28†	48	1.94		0.45	0	10	12	13	6		Daniel M. Nelson.
Moab	Grand	4,000	23	77.4	− 0.2	107	6	48	12†	50	0.37	− 0.22	0.12	0	5	11	16	4		Henry Crouse.
Monticello	San Juan	7,545	5																	Geo. F. Barton.
Mountain Home	Wasatch	6,750									1.38		0.86	0	7				sw.	Oscar Wilkins.
New Harmony	Washington	5,200	2								1.99		0.82	0	5					Geo. F. Prince.
Orderville	Kane	6,660	3								1.75		0.51	0	8					F. A. Porter.
Pine Valley	Washington	6,000	2								2.15		0.65	0	9	11	13	7	s.	Mason Gardner.

TABLE 1.—*Climatological data for July, 1913. District No. 9*—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.
Utah—Continued.																				
Price	Carbon	5,557	2	70.7[e]	.....	100[e]	6†	46[e]	30	48[e]	1.59	.....	0.70	0	8	9	10	12	nw.	George Mathis.
Ranch	Kane	6,700	11	62.4	+ 0.5	93	6	35	27	52	3.09	+ 1.44	1.12	0	6	20	6	5	w.	J. W. Seaman.
San Rafael	Emery	4,250	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Jos. J. Nouguier.
St. George	Washington	2,880	26	81.6	− 0.7	111	5	54	12†	54	1.55	+ 0.48	1.03	0	6	14[f]	9[f]	2[f]	.....	Wm. Goodspeed.
Scofield	Carbon	7,625	4	55.8[d]	.....	86[d]	6	26[d]	10	53[d]	3.35	.....	0.64	0	11[d]	15[d]	0[d]	12[d]	s.	B. Newren.
Springdale	Washington	3,500	5	79.8	.....	109	5	53	20	51	1.10	.....	0.35	0	4	15	4	12	.....	Hattie F. Wood.
Strawb'ry Tun'l East	Wasatch	7,650	1	55.7	.....	82	6	24	12	54	1.85	.....	1.15	0	6	18	0	13	.....	U. S. Reclamation Service.
Teasdale	Wayne	7,000	4	.....	.....	.....	.....	38	27	.....	.....	.....	.....	.....	.....	17	9	5	w.	Henry Cullum.
Thompsons	Grand	5,150	2	76.2	.....	102	6	55	12	37	2.02	.....	0.99	0	8	16	9	6	sw.	Mrs. A. M. Starmont.
Tropic	Garfield	7,000	16	65.8	− 1.7	94	6	39	27	40	1.30	+ 0.39	0.77	0	6	13	14	4	sw.	E. P. Bolton.
Trout Creek Range	Uinta	9,200	2	.....	.....	.....	.....	.....	.....	.....	3.24	.....	0.90	0	14	8	15	8	.....	Forest Supervisor.
Vernal	do	5,050	16	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	H. E. Dillman.
Victor	Emery	5,250	1	.....	.....	.....	.....	.....	.....	.....	0.77	.....	0.30	0	4	.....	.....	.....	.....	F. F. Noyes.
White Rocks	Uinta	6,200	2	.....	.....	.....	.....	.....	.....	.....	0.05	.....	0.01	0	5	5	7	19	.....	E. C. Sims.
Woodside	Emery	4,645	2	73.0	.....	104	6	40	28	53	0.53	.....	0.29	0	3	10	9	12	s.	D. P. Adams.
New Mexico.																				
Alma	Socorro	5,500	15	72.4	− 1.9	104	5†	39	28	57	2.20	− 0.40	0.58	0	12	5	22	4	sw.	Max A. Balke.
Aragon	do	.....	6	66.8	.....	95	11	40	27†	49	1.75	.....	0.50	0	8	11	19	1	sw.	John R. Milligan.
Aztec	San Juan	5,590	13	.....	.....	.....	.....	.....	.....	.....	0.36	− 0.66	0.17	0	3	12	19	0	sw.	Dr. T. J. West.
Berger's Ranch	McKinley	8,000	1	62.1	.....	90	5†	31	28	57	3.60	.....	1.48	0	8	14	11	6	nw.	Herman Berger.
Blackrock	do	6,500	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Patrick DesGeorges.
Bloomfields	San Juan	5,500	18	71.3	− 3.1	98	8	41	28	52	0.44	− 0.50	0.13	0	4	10	21	0	sw.	Fred LeClerc.
Cambray	Luna	4,215	14	.....	.....	107	12	.....	.....	.....	1.25	− 0.22	0.50	0	4	16	10	5	.....	Agent So. Pac. R. R.
Cliff	Grant	4,470	13	80.5	+ 3.2	106	5†	44	23	50	1.99	− 0.73	0.57	0	6	20	11	0	.....	W. C. Belden.
Columbus	Luna	4,054	4	.....	.....	106	11	.....	.....	.....	0.69	.....	0.21	0	5	8	9	14	sw.	Agent E. P. & S. W. R. R.
Deming	do	4,333	36	82.6	.....	108	11	58	21	39	3.95	+ 1.83	1.98	0	5	23	8	0	nw.	Agent So. Pac. R. R.
Dulce	Rio Arriba	6,756	16	65.6	+ 0.4	96	5	33	28	55	1.96	− 0.75	0.70	0	7	21	9	1	w.	E. O. Green.
Farmington	San Juan	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Orville Ricketts.
Fort Bayard	Grant	6,152	44	72.3	− 0.3	98	11†	51	1†	41	2.20	− 0.89	1.08	0	10	15	7	9	nw.	U. S. Genl. Hospital.
Fruitland	San Juan	4,800	19	72.0	− 2.4	98	6	45	1†	49	1.57	+ 0.62	0.70	0	6	10	21	0	sw.	Cyril J. Collyer.
Gage	Luna	4,486	13	81.8	.....	108	11†	60	13†	41	0.50	− 1.52	0.50	0	1	7	24	0	w.	Agent So. Pac. R. R.
Gila Planting Station	Grant	6,475	2	71.3	.....	97	11	49	27	35	3.26	.....	1.78	0	12	16	13	2	w.	U. S. Forest Service.
G. O. S. Ranch	do	8,000	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Victor Culberson.
Hachita	do	4,504	4	.....	.....	108	8	56	28	.....	1.22	.....	0.45	0	6	14	10	7	w.	Agent E. P. & S. W. R. R.
Haynes	Rio Arriba	6,600	2	69.4	.....	95	5	39	1	50	0.04	.....	0.02	0	3	16	9	6	sw.	Mrs. O. L. Wingate.
Hermanes	do	4,451	4	.....	.....	.....	.....	.....	.....	.....	0.65	.....	0.18	0	5	26	5	0	w.	Agent E. P. & S. W. R. R.
Lordsburg	Grant	4,245	31	78.5	− 3.5	104	4	52	28	45	0.43	− 1.37	0.27	0	3	10	19	2	.....	J. H. McClure.
Luna	Socorro	7,300	12	63.7	.....	93	4	31	28	56	1.58	− 0.80	0.72	0	8	5	26	0	s.	C. B. Martin.
Mimbres	Grant	5,007	8	.....	.....	98	13	.....	.....	.....	2.48	.....	0.66	0	7	18	13	0	.....	Charles Dennis.
Pinos Altos (near)	do	7,253	2	.....	.....	.....	.....	40	28	.....	3.45	.....	1.13	0	12	7	24	0	se.	O. L. Scott.
Pratt	Grant	4,415	4	.....	.....	103	9	58	3†	.....	3.41	.....	1.07	0	9	18	7	6	e.	Agent E. P. & S. W. R. R.
Putnam	San Juan	6,200	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	C. F. Spader.
Redrock	Grant	4,150	8	.....	.....	.....	.....	.....	.....	.....	0.81	.....	0.33	0	7	13	18	0	.....	Robt. H. Woods.
Rodeo	do	4,118	4	.....	.....	.....	.....	.....	.....	.....	0.80	.....	0.20	0	8	16	4	11	sw.	Agent E. P. & S. W. R. R.
Silver City	do	5,937	2	72.4	.....	98	12	50	28	38	2.24	.....	0.94	0	12	15	15	1	nw.	E. M. Brumback.
Arizona.																				
Allaires Ranch	Cochise	4,184	17	.....	.....	.....	.....	.....	.....	.....	1.69	− 0.76	0.80	0	7	13	14	4	se.	Thomas Allaire.
Alpine	Apache	8,500	4	59.6	.....	89	6	28	28	53	2.66	.....	0.75	0	12	8	10	13	s.	U. S. Forest Service.
Ashfork	Yavapai	5,229	2	.....	.....	.....	.....	.....	.....	.....	0.70	.....	0.45	0	2	16	15	0	.....	Do.
Aztec	Yuma	492	15	89.8	− 5.0	116	10	56	19	46[d]	1.60	+ 1.40	1.07	0	2	14	9	8	ne.	Agent Southern Pacific Ry.
Benson	Cochise	3,523	32	79.4	− 5.4	106	5	54	20†	45	2.63	+ 0.55	0.62	0	8	10	10	11	w.	Do.
Bernardino	do	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.66	.....	0.50	0	8	0	8	23	w.	Operator E. P. & S. W. R. R.
Bisbee	do	5,350	23	.....	.....	.....	.....	.....	.....	.....	1.47	− 2.21	0.90	0	7	.....	.....	.....	.....	Agent E. P. & S. W. R. R.
Blue	Greenlee	6,500	6	.....	.....	.....	.....	.....	.....	.....	1.39	.....	0.62	0	5	3	27	1	s.	Mary A. Jones.
Bonita	Graham	4,916	39	.....	.....	.....	.....	.....	.....	.....	3.67	+ 1.03	1.55	0	10	16	6	9	.....	A. H. Jelley.
Bowie	Cochise	3,756	37	82.8[d]	+ 2.4	109	11	57	23	39[d]	.....	.....	.....	0	7	12	13	6	w.	Agent Southern Pacific.
Buckeye	Maricopa	982	21	87.0	− 0.4	113	5	58	1†	50	0.44	− 0.79	0.25	0	4	21	9	1	sw.	H. E. Kell.
Canille	Santa Cruz	5,225	4	.....	.....	.....	.....	.....	.....	.....	3.75	.....	1.45	0	13	1	30	0	se.	Robert A. Rodgers.
Casa Grande	Pinal	1,396	32	.....	.....	.....	.....	.....	.....	.....	1.15	+ 0.38	0.75	0	3	22	6	3	sw.	Agent Southern Pacific Ry.
Casa Grande Ruins	do	1,422	5	87.2	.....	114	11	58	1†	50	0.44	.....	0.23	0	5	15	4	12	w.	Frank Pinkley.
Cavecreek (near)	Maricopa	1,452	6	87.5	.....	113	5†	62	27	39	0.94	.....	0.38	0	5	19	11	1	sw.	John B. Lammers.
Chandler	do	1,213	18	88.9	+ 0.9	113	5†	56	1	52[d]	0.32	− 1.11	0.20	0	2	23	8	0	nw.	F. V. N. Dana.
Chin Lee	Apache	6,090	5	66.4	.....	90	2	45	1†	36	1.28	.....	0.86	0	8	6	11	14	sw.	Rev. L. Ostermann, O. F. M.
Chiarsons Mill	Graham	8,000	6	64.0	.....	87	5†	43	16†	27	4.75	.....	1.10	0	12	4	25	2	.....	Hiram R. Chiarson.
Clifton	Greenlee	3,584	22	84.4	.....	109	6	63	19	40	3.63	+ 1.62	1.75	0	8	14	10	7	.....	L. C. Kyhl.
Cochise	Cochise	4,219	15	78.3	− 3.1	108	5†	51	27†	49	1.07	− 1.15	0.35	0	5	16	7	8	w.	Agent Southern Pacific Ry.
Columbia**	Yavapai	1,900	13	89.8	+ 2.2	114	5	68	22†	32	0.90	− 1.75	0.25	0	6	15	1	15	e.	M. J. Nolan.
Cornville	do	3,300	.....	77.2	.....	106	5†	48	1	50	0.42	.....	0.25	0	3	11	20	0	sw.	N. F. Girdner.
Courtland	Cochise	4,543	4	.....	.....	.....	.....	.....	.....	.....	1.83	.....	0.90	0	8	10	15	6	w.	Agent E. P. & S. W. R. R.
Don Luis	do	5,025	.....	.....	.....	.....	.....	.....	.....	.....	2.85	.....	0.50	0	6	15	5	11	ne.	Do.
Dos Cabezos	do	5,250	5	74.5	.....	103	2	46	26	50	3.33	.....	1.18	0	10	11	19	1	w.	Neil Erickson.
Douglas	do	3,930	10	82.0	− 2.0	106	5	57	16	43	3.31	+ 0.56	0.80	0	10	9	16	6	sw.	Dr. F. T. Wright.
Dudleyville	Pinal	2,204	22	79.0	− 4.6	104	5	53	1	47	2.96	+ 0.90	0.71	0	11	3	20	8	sw.	George F. Cook.
Elgin	Santa Cruz	4,706	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	George Beebe.
Fairbank	Cochise	3,862	4	.....	.....	.....	.....	.....	.....	.....	4.75	.....	0.72	0	10	3	6	22	w.	Agent E. P. & S. W. R. R.
Flagstaff	Coconino	6,907	21	62.8	− 2.2	90	5†	36	27†	48	2.35	+ 0.56	0.65	0	9	14	14	3	sw.	George T. Herrington.
Flagstaff (1)	do	7,500	5	59.6	.....	91	5†	29	27	52	2.43	.....	0.71	0	13	17	6	8	sw.	U. S. Forest Service.
Florence	Pinal	1,504	14	88.4	+ 0.5	114	11	59	26	45	0.42	− 1.23	0.13	0	5	15	15	1	w.	Agent Ariz. Eastern R. R.
Fort Apache	Navajo	5,200	42	72.4	− 1.5	105	5	44	26	50	0.49	− 2.50	0.10	0	10	15	14	2	nw.	Post Surgeon, U. S. Army.
Fort Huachuca	Cochise	5,100	28	76.8	− 0.2	102	6	55	22†	37	.....	.....	.....	0	7	20	0	11	.....	Do.
Fort Mohave	Mohave	604	44	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	August F. Duclos.
Gila Bend	Maricopa	737	23	87.8	− 6.2	114	9	64	27†	44	0.72	− 0.07	0.37	0	2	10	11	10	.....	Agent Southern Pacific Ry.
Globe	Gila	3,625	11	80.8	− 1.4	109	5	54	20	44	3.35	− 0.71	1.50	0	9	10	19	2	nw.	Dr. B. G. Fox.
Grand Canyon	Coconino	6,866	9	66.0	.....	92	6†	42	28	48	3.85	.....	0.80	0	9	11	20	0	sw.	Agent Grand Canyon R. R.
Grand Canyon (1)	do	3,676	14	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	B. W. Zachau.
Granite Reef Dam	Maricopa	1,325	20	87.0	− 2.6	112	5†	61	27	44	1.51	+ 0.01	1.02	0	5	16	11	4	w.	U. S. Reclamation Service.
Hackberry	Mohave	3,500	.....	.....	.....	.....	.....	.....	.....	.....	0.46	.....	0.25	0	4	11	11	9	sw.	A. N. Keech.
Hereford	Cochise	4,180	4	.....	.....	.....	.....	.....	.....	.....	4.47	.....	1.09	0	13	8	10	13	sw.	Agent E. P. & S. W. R. R.
Holbrook	Navajo	5,069	23	71.4	− 4.3	104	4	42	1†	62	20.4	− 0.30	1.44	0	4	21	8	2	sw.	Thorwald Larson.
Indian Oasis	Pima	3,000	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Joseph Menager.
Jerome	Yavapai	4,743	16	79.5	0.0	104	5	55	23	33	3.28	+ 0.56	0.80	0	10	14	16	1	s.	Dr. L. A. Hawkins.

TABLE 1.—*Climatological data for July, 1913. District No. 9*—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.		
***Arizona*—Continued.**																				
Keams Canyon	Navajo	6,600	9	70.4	.....	98	5	44	28†	44	0.87	.....	0.40	0	6	14	15	2	w.	Fred A. Bartram.
Kingman	Mohave	3,326	10	80.9	− 1.3	109	11	53	1	47	0.08	− 0.73	0.04	0	3	20	0	11	s.	Agent A. T. & S. F. Ry.
Lakeside	Navajo	6,500	15	64.2	.....	92	12	37	28	49	3.44	+ 0.73	0.66	0	12	8	5	18	sw.	Prof. Joseph Peterson.
Lewis Springs	Cochise	4,029	4	.....	.....	.....	.....	.....	.....	.....	4.46	.....	1.00	0	10	6	4	21	.....	Agent E. P. & S. W. R. R.
McNeal	do	4,150	3	.....	.....	.....	.....	.....	.....	.....	1.50	.....	0.46	0	8	6	20	5	w.	Gladys Taylor.
Maricopa	Pinal	1,186	37	89.3	− 4.5	116	5	62	1†	49	0.37	− 0.43	0.21	0	3	15	15	1	sw.	Agent Southern Pacific Ry.
Marinette	Maricopa	1,150	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Theo. Katzenstein.
Moccasin	Mohave	4,500	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	J. G. Maxwell.
Mohawk Summit	Yuma	538	13	.....	.....	116	10	63	27	.....	1.51	+ 1.29	0.50	0	4	16	9	6	.....	Agent Southern Pacific Ry.
Naco	Cochise	4,579	4	.....	.....	.....	.....	.....	.....	.....	3.13	.....	1.15	0	10	21	10	0	se.	Agent E. P. & S. W. R. R.
Natural Bridge	Gila	4,990	24	.....	.....	.....	.....	.....	.....	.....	2.02	− 0.53	0.50	0	7	15	13	3	sw.	D. G. Goodfellow.
Nutrioso	Apache	8,000	3	.....	.....	.....	.....	.....	.....	.....	2.34	.....	0.45	0	9	8	7	16	sw.	U. S. Forest Service.
Oracle	Pinal	4,502	19	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	J. W. Lawson.
Osborn	Cochise	4,676	4	.....	.....	.....	.....	.....	.....	.....	2.53	.....	0.95	0	7	9	20	2	w.	Agent E. P. & S. W. R. R.
Paradise	do	5,436	7	71.0	.....	99	5	43	27	47	3.76	.....	0.79	0	9	3	27	1	sw.	J. C. Hancock.
Parker	Yuma	345	17	86.4	− 5.5	121	15	62	15†	59	0.58	+ 0.12	0.40	0	4	23	5	3	.....	M. A. Isreal, M. D.
Payson	Gila	5,550	5	70.6	.....	100	5	42	26	50	2.72	.....	0.71	0	9	10	0	21	.....	Mart McDonald.
Phoenix	Maricopa	1,108	19	86.3	− 4.1	110	5	65	27	37	0.94	− 0.13	0.82	0	6	15	8	8	e.	U. S. Weather Bureau.
Phoenix (1)	do	1,092	23	85.4	− 3.4	113	9	59	27	42[e]	1.70	+ 0.44	1.45	0	4	18	11	2	w.	Geo. Acuff.
Phoenix (2)	do	1,189	5	86.0	.....	109	5†	62	1†	41	1.11	.....	0.25	0	7	24	0	7	sw.	Salt River Valley Nurseries.
Pinal Ranch	Pinal	4,520	19	.....	.....	.....	.....	.....	.....	.....	2.62	.....	1.05	0	7	.....	.....	.....	.....	Irion & Craig.
Pinedale	Navajo	6,500	1	.....	.....	.....	.....	.....	.....	.....	2.47	.....	1.17	0	10	4	17	10	sw.	E. Thomas, jr.
Pinto	Apache	5,660	9	.....	.....	.....	.....	.....	.....	.....	1.04	.....	0.40	0	5	17	10	4	sw.	Celia F. Henning.
Prescott	Yavapai	5,320	46	69.4	− 1.6	99	5	44	27	47	3.27	+ 0.30	1.20	0	10	16	9	6	.....	Dr. J. W. Flinn.
Prescott Dry Farm	do	5,008	1	73.3	.....	101	6†	51	23†	38	1.99	.....	0.83	0	7	18	10	3	s.	L. L. Bates.
Quartzsite	Yuma	800	6	90.6	.....	118	11	65	27	40	0.90	.....	0.31	0	5	12	14	5	sw.	W. E. Scott.
Redrock	Pinal	1,864	5	.....	.....	.....	.....	.....	.....	.....	1.48	.....	0.70	0	4	16	4	11	ne.	Agent Southern Pacific Ry.
Rice	Gila	2,540	30	81.2	− 4.9	109	5	52	27†	58	1.32	− 0.32	0.56	0	8	23	3	5	w.	Arthur Pritchard.
Roosevelt	do	2,175	9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	U. S. Reclamation Service.
Sacaton	Pinal	1,280	6	87.0	.....	112	5	61	27†	46	0.92	.....	0.32	0	5	.....	.....	.....	.....	E. W. Hudson.
St. Johns	Apache	5,650	9	70.7[d]	.....	105	5†	38	28	51[d]	2.10	.....	.....	0	.....	11	18	2	sw.	Alexander Shreeve.
St. Michaels	do	6,950	26	68.5	− 0.6	96	5	40	28	50	0.95	− 1.09	0.55	0	3	16	11	4	sw.	Rev. Anselm Weber, O. F. M.
San Simon	Cochise	3,609	27	82.0	− 1.9	108	10†	56	21†	42[a]	0.85	− 0.12	0.35	0	3	.....	.....	.....	nw.	Agent Southern Pacific Ry.
Seligman	Yavapai	5,219	8	71.6	.....	100	5†	42	27	52[a]	0.35	.....	0.35	0	1	17	0	14	sw.	Librarian A. T. & S. F. Ry.
Sentinel	Maricopa	685	15	.....	.....	115	9	.....	.....	.....	0.02	− 0.02	0.01	0	2	19	4	8	w.	Agent Southern Pacific Ry.
Silverbell	Pima	2,664	8	.....	.....	109	5	.....	.....	.....	0.36	.....	.....	.....	.....	.....	.....	.....	.....	Imperial Copper Co.
Snowflake	Navajo	5,644	6	67.6	.....	99	6†	37	28	54	1.01	.....	0.66	0	4	6	0	25	sw.	William J. Flake.
Springerville	Apache	6,862	3	63.3	.....	91	5†	36	2	53	2.57	.....	0.42	0	9	17	8	6	sw.	U. S. Forest Service.
Supai	Coconino	3,200	7	83.8	.....	110	6†	60	27†	45	0.82	.....	0.30	0	7	14	12	5	.....	Laura B. Symons.
Tempe	Maricopa	1,165	9	86.6	.....	112	5†	60	1†	48	2.23	.....	1.59	0	7	14	14	3	se.	F. H. Simmons.
Thatcher	Graham	2,800	10	83.0	+ 1.8	112	1†	55	2	55	3.48	+ 0.98	1.24	0	8	8	23	0	.....	J. H. Larson.
Tombstone	Cochise	4,550	18	78.4	+ 0.2	107	5	54	27	41	4.54	+ 1.24	1.56	0	13	7	22	2	sw.	F. N. Wolcott.
Truxton	Mohave	3,997	3	74.4	.....	105	6	41	3	55	1.58	.....	1.10	0	7	13	9	9	s.	Truxton Canyon Indian School.
Tuba	Coconino	4,500	13	74.4	− 2.8	100	5†	45	28	43	0.58	− 0.11	0.19	0	8	13	17	1	sw.	Ira E. Bell.
Tucson	Pima	2,390	33	83.5	− 3.0	109	5	58	1	47	1.32	− 0.71	0.64	0	9	7	16	8	w.	University of Arizona.
Tucson (1)	do	2,380	5	82.2	.....	110	5	52	27	52	1.48	.....	0.44	0	9	14	17	0	sw.	Rev. James F. Record.
Tucson (2)	do	2,526	4	83.5	.....	108	5	57	29	45	3.06	.....	1.06	0	8	11	9	11	w.	U. S. Coast & Geod. Survey.
Vail	do	3,421	14	75.0	.....	105	5†	50	22†	46	2.75	+ 1.46	0.70	0	6	5	6	20	.....	Agent, Southern Pacific Ry.
Walnut Grove	Yavapai	3,649	20	.....	.....	.....	.....	.....	.....	.....	2.75	+ 0.74	1.10	0	6	.....	.....	.....	.....	J. O. Carter.
Wickenburg	Maricopa	2,072	15	83.6	− 1.8	114	12	50	18	52	0.54	− 0.57	0.29	0	3	19	0	12	.....	Agent, S. F. P. & P. Ry
Willcox	Cochise	4,164	32	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Agent, Southern Pacific Ry.
Williams	Coconino	6,750	13	68.8	+ 1.1	98	5†	37	27	50	1.80	− 1.28	0.60	0	4	14	14	3	.....	E. J. Nordyke.
Winslow	Navajo	4,855	9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Winslow High School.
Yuma	Yuma	141	33	88.2	− 2.7	115	10	61	27	44	0.17	+ 0.05	0.15	0	2	27	4	0	s.	U. S. Weather Bureau.
Yuma (1)	do	150	6	82.8	.....	112	10	54	27	48	0.04	.....	0.03	0	2	24	6	1	sw.	C. J. Wood.
Nevada.																				
Caliente	Lincoln	4,407	3	68.2	.....	98	10	40	27†	48	T.	.....	T.	0	0	18	13	0	ne.	Salt Lake Route.
Las Vegas	Clark	2,033	11	84.3	+ 3.6	112	10†	56	26†	44	0.35	+ 0.14	0.15	0	3	16	7	8	s.	C. P. Squires.
Logan	do	1,355	6	85.6	.....	113	6†	55	27	50	0.05	.....	0.03	0	2	24	4	3	s.	Orin W. Jarvis.

[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 July, 1913. District No. 9, Colorado 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	31	Total.
Wyoming.																																	
Battle Mountain	Snake																																
Big Piney	Green																																
Daniel	do						T.				T.								T.				.40	.35	.05	.09	.15		.07	T.			1.11
Eden	do			T.	.16																	.15	.85	.40				.08	.20		.20		2.04
Green River	do				.10			T.	T.								T.	T.			T.	T.	.86	T.									0.96
Pinedale	do																						.36	.08	.46	.10	.03		.06				1.09
Wamsutter	do			.06										.03	.01		.07		.07				.56	.20	.18						.11		1.29
Willow Creek Cabin	do																																
Colorado.																																	
Ashcroft	Grand						.03	.02	.07	.33	.09					.22	.06	.20	.42	.31	.13	.19	.13	.33				T.					2.53
Blue Valley Ranch	Yampa													T.	.17	.06	.12	.50	.42			.05	.05	.30									1.67
Breckenridge	Grand																																
Cascade	San Juan					.04		.17	T.		.33				.09		.40	.29	.22	.06	.24	.05	.05	.08		T.							2.02
Cedaredge	Gunnison								.27		.12				.08	.10		.05	.02	.25	.06												0.95
Cochetopa	do							T.	.25	.40	.10	.24	.10			.50	.30	.18	.20					.40									2.67
Collbran	Grand						T.	.01		.08	.02			T.	.09	.03	.46	.02	.09	.22	.17	.20	.34	.39	T.	T.		T.					2.12
Columbine	Yampa			.06					.08	.03			.20	.63				.30	.18	.56	.45	.40	.32	.45	.28								3.94
Columbine Ranch	Gunnison							.30										.10	.25	.45				.27									1.37
Corona ‖	Grand								.16	.02	.02	.22			.04	.58	.28	.64	.18	.35	.04	.43	.07	.80	.50		.02	.02	.02		.02		4.41
Cortez	San Juan										.08					T.						.05												0.13
Crawford (near)	Gunnison								.09	.21	.07				.07		.70		.49	.10				.10				.06					1.89
Crested Butte	do						T.	T.	.04	T.					.05	.33	.10	.10	.13	.33	.30	.06	T.	.25			T.	T.					1.69
Delta	do								.10		.18						.28		.85	.42	.05												1.88
Dillon	Grand							.23			.20				.10	.12	.17	.52	.41	.04	.29	.04	.06	.38		.10	.02	.03					2.71
Durango	San Juan						.02		T.	.55	.01			.05	.01	.09	.24		.34	.68		.13	.01	.27			T.			.03		.04	2.47
Eureka	do	T.				T.	T.	T.					T.	T.	.10	T.	.18	.80	T.	.21	T.	T.	T.	T.					T.				1.29
Fraser ‖	Grand								.12							.79	.32	.33	.16	.18	.03	.21	.02	.18	.37								2.71
Fruita	do							T.		.12				T.	.12		.07	T.	.07	T.	T.	T.	T.	T.		T.							0.38
Glade Park	do						T.	.01	T.	.06				T.	.10	.33	T.	.07	T.	.06	.10	.25	T.	.15				T.					1.13
Gladstone	San Juan					.02	T.	T.	T.	T.	.29			.11		.21	.39	.97	.14	.22	.14	.09	.17	T.									2.75
Glen'd Spr'gs (near)	Grand																.16	.14	.10	.43	.04	.05	.08	.40	.06								1.46
Grand Junction	do							T.		.02	.05			.02	T.	.15	.02	.05	T.	T.	T.	T.		T.		T.							0.31
Grandlake	do					T.	T.	.10	T.	.20	.50	T.	.10	.11					.92	.10	T.	.40	.10	.10				T.	T.				2.63
Grand Valley	do							T.	T.		.15			T.	.04	.09	.01	.06	T.	.58	.04	T.	.31	.09	.01	T.		T.					1.38
Gunnison	Gunnison							T.	.04								.10		.56	.06	.08	.03					T.						0.87
Hayden	Yampa									T.	.19			T.	.04	.10			.54		.08	.03	.07	.06	.13								1.24
Hesperus (near)	La Plata						.10				.84				.08	.05	.08		.38		.32	.10		.41									2.36
Horsefly	Gunnison									.14	.20				.12	.44	T.	.20	T.	.18	.30	.78	.30	.15									2.81
Ironton	do						T.			T.	.32					T.	.13	.40	.33	.37	.10	.11	.20	T.	.12								2.08
Lake City	do							.06	.60	.13	.16				.03	.11	.70	.20	.06	.18	.37	.08	.03	.06	.05								2.82
Lay	Yampa							T.			.01							.03		.03	.01		.04										0.12
Mancos	San Juan						T.	.34	.05	.55	.24				T.	.29	.06	.06	.08	.06	.08	.18	.06	.04			T.	T.	T.				2.09
Marble	Grand										.17				.19	.08	.05	.06	.42	.27	.11	.29	.15	.09	.07								1.95
Marshall Pass	Gunnison				.15	.20		.10	.15			.20							.20		.15		.10	.20	.10	.10	.10						1.75
Meeker (near)	White							.02		T.	.17				.02	*	.40	.06	.10	.01	.02	.02	.06	.20	.02	T.							1.10
Montrose	Gunnison										.19				.03	.15		.04		.02				.25									0.68
Nast	Grand															.42	.50	.53	.50					.20									2.15
Pagosa Springs	San Juan						.11	T.	T.	.25	.33					.04	.03	.09		.22	.21	T.	T.	.01									1.29
Palisades	Grand								T.	T.	.14			T.	.09	.09	.13			.50	T.			T.		T.		T.					0.95
Paonia	Gunnison							T.	.09	.05								.25	.14	.12	.19		T.	.06		T.		T.					0.90
Pitkin	do							.11		.25							.15		.11	.12	.85	.10	.25	.50									2.44
Redcliff	Grand							.40	.60						.30	.20	.50	.20	.10	.17	.15	.20	.05	.27	.11								3.25
Redvale	San Miguel						T.	T.		T.	.10					.30	.13	.08	.55	.08	T.	.20	T.	.19				T.					1.63
Rico	Dolores						.25	.16	.05	.16	.14	.04			.44	.08					.31			.34								T.	1.97
Rifle	Grand									.05	.01			T.	.01	.10	.11	.18	.01	.01	T.	T.		.79		T.							1.27
River Portal	Gunnison								T.	T.	.21				T.	.10	T.	.10	T.	.26	T.		T.	.15			.04						0.86
Sapinero (near)	do						.11	.02		.08	.24				.01	.23	.17	.03	.03	.04	.18	.02											
Shoshone	Grand																																
Silverton (near)	San Juan					T.		.05	.24	.20				.05		.21	.35	.89	.14	.17	.12	.07	.12	.06									2.67
Spruce Lodge	Grand							.08			.12				.33	.25	.30	.19	.36	.01	.47	.11	.10	.92				.02					3.26
Steamboat Springs	Yampa													.05	.10	.10	.49	.21	.27				.32					.47					2.01
Tacoma	San Juan						T.	.06		*	.20				T.		.12	.18	T.	.15	.20	.41	.05	.07									1.44
Telluride	San Miguel								T.	.18	.44			T.		.06	.53	.56	.26	.56	.49	.16	.36	.29				T.					3.89
Terminal Dam	San Juan							T.		T.	.21				.05	.04	.11	.28	T.	.21	.05	.27	.07	.05									1.34
Yampa (near)	Yampa							.10			.06				T.		.46	T.	.30	.52	.06	.26	.53	.95									3.24
Utah.																																	
Aneth	San Juan															.24		.12		.42			.24										1.02
Bluff									.30	.10								.09					.03	.09									0.61
Canaan	Colorado																	T.	.15	.23	.03	.15	.80				.13						1.49
Castle Dale	Green							.05									.32			.25			.35	.06	.05								1.08
Cisco	Grand																																
Dragon	Green							.17			.11			.19	.12	.21	.02	.05	.16	.07	.26	.03		.13	.14		.05	.02					1.73
Duchesne	do								.38						.02		T.	.05	T.	T.	.10	.10		.28	.02			.01					0.96
Elkhorn	do								.02	.02					.02			.10		.30	.06	.04	.06	.40	.50		.02						1.54
Emery	Colorado								T.	.20			T.	T.	T.	T.	T.	T.	T.	T.	T.	T.	.79	.23	T.	T.							1.22
Escalante	do																	.02	.50	.30				.50	.75		.07						2.14
Fort Duchesne	Green							T.	.20	T.	.08			.04	T.			.70	.05	T.	T.	.01		.20	T.	.03							1.31
Fruitland	do																																
Grayson	San Juan														T.	T.	T.	.05	.06			.05	.03			T.		T.					0.19
Green River	Green										.03			.11						.17			.02	.26									0.59
Hanksville	Colorado																																
Hite	do							T.		T.	.09					T.	T.	.10		.03	T.	T.	.17	.05									0.44
Hurricane	do																			.12	.10	.30	.20										0.72
Kanab	do								.14							.07		.07	.03	.25	.39	.15	.06				.04						1.20
La Sal	Grand							T.		T.	T.			T.	T.		.08	.07	T.	.21		.19	T.	.04		.03		T.					0.62
Leeds (near)	Colorado																			T.	T.	.51	.46										0.97
Loa	do																																
Manila	Green									.03								.45	.12	.20	.30	.16	.40		.10			.05			.13		1.94
Moab	Grand							.05			.12						T.	.04		.10				.06									0.37
Monticello	do																																
Mountain Home	Green									.02	.06							.15	.05	.08	.86	.16	T.	T.									1.38
New Harmony	Colorado																.82		.15	.35			.55	.12									1.99
Orderville	do								.51										.08	.02	.25	.16	.45	.01	.27								1.75
Pine Valley	do							.40									.20	.35	.05	.65	.15	.05	.25	T.								.05	2.15
Price	Green							.15		.11					.07		.20	.02			.30		.70		.04								1.59
Ranch	Colorado							.05										1.12		.44	.43		.30		.75								3.09
San Rafael	Green																																
St. George	Colorado																	.02		.39	.05	.04	1.03	.02									1.55

TABLE 2.—*Daily precipitation for July, 1913. District No. 9*—Continued.

ations.	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	31	
***Utah*—Continued.**																																	
Scofield	Green							T.	T.	.05						.10	.29	.43	.57	.15	.14	.51	.64	.36					.11				3.35
Springdale	Colorado																		.25	.20	.35	.30											1.10
Strawberry Tunnel	Green													.19				.06	.06			.33	1.15	.06									1.85
Teasdale	Colorado																																
Thompsons	Green								T.	.02				.04		.04	.99	.38	.09	.26		T.	T.	.20				T.					2.02
Tropic	Colorado							.04		.04							T.	T.	T.	.07	.24	.14	.77										1.30
Trout Creek Ranger	Green				.05			.10	.02					.10			.05		.35	.85	.90	.01	.10	.35	.25		.10				.01		3.24
Vernal	do																																
Victor	do								.08				.17						.22						.30								0.77
White Rocks	do								.01		.01			T.				T.	.01	T.	T.			.01				.01					0.05
Woodside	do								.10					T.	T.		T.	.14						.29									0.53
New Mexico.																																	
Alma	Gila					T.			.11			.06	.04		.15		.23	T.	.50	.08	T.	.43	.30							.20	.02	.08	2.20
Aragon	do								.10		.10				.40		.50	.15		.10	.30	.10	T.									T.	1.75
Aztec	San Juan						T.		T.	T.				T.		.11		T.	.08	T.		.17	T.							T.			0.36
Bergers Ranch	L. Colorado						T.	T.	T.	.18	T.			T.		.60	.65	T.	.22	T.	1.48	.24	T.							.10	T.	.13	3.60
Blackrock	do																																
Bloomfield	San Juan						T.		T.	T.					T.	T.	.13	T.	T.	T.	.08	T.	.10	.13						T.		T.	0.44
Cambray	Mimbres														.50		.08	T.			.17	.50											1.25
Cliff	Gila										T.		T.		.17		.30					.50	.57							.15	.30		1.99
Columbus	Mimbres													.21		.20			T.		.02	.18									.08		0.69
Deming	do														1.98		.03					.32	1.57								.05		3.95
Dulce	San Juan						.05			.30	.45						.06				.32	.08	.70										1.96
Fort Bayard	Mimbres							.01	T.		T.	T.		.23	.85	.28	T.	.06	.04	.01	T.	.60	.05	T.							.07	T.	2.20
Fruitland	San Juan								.15	T.				T.		T.	.45	.25	.18	.07		T.	.47										1.57
Gage	Mimbres													.50				T.	T.	T.	T.	T.								T.			0.50
Gila Planting Sta	do					T.		T.	T.	T.	T.		T.	.70	1.08	.13	.11	.07	.48	.02	.03	.42	.08								.12	.02	3.26
G. O. S. Ranch	Gila																																
Hachita	do							T.	T.			T.	T.	.45	.21		.07			.06		.35	.08										1.22
Haynes	San Juan							T.	T.	.01			T.	T.			T.	.01	T.			T.	.02										0.04
Hermanes	Mimbres								.18			.13							.06										.11	.17			0.65
Lordsburg	Gila					.16															.12	.15											0.43
Luna	do							T.	.15	T.	.17	T.	.05				.20	.04	T.	.12	T.	.72	.13										1.58
Mimbres	Mimbres								.43						.66		.10		.43		.30	.40									.16		2.48
Pinos Altos (near)	Gila								.04	.21	.01		.26	*	.93	1.13	.09		.18		.49		.05									.06	3.45
Pratt	do														.02			.14	.16	.37	.77	1.07		T.		.03					.81	.04	3.41
Putnam	San Juan																																
Redrock	Gila			T.					T.	T.	T.				.33	.13	.03	.02	.05	.02	.13	.10										T.	0.81
Rodeo	do																.05		.18	.07		.20	.05	.05							.05	.15	0.80
Silver City	Mimbres		T.			T.		T.		T.	T.		.04		.94	.11	.08		.22	.02	.04	.34	.12						T.	.08	.12	.13	2.24
Arizona.																																	
Allaires Ranch ‖	Sonora														.10				.80	.10		.42								.10	.03	.14	1.69
Alpine	Gila										.63	.05		.58	.02	.13		.15		.16	.08	.75	.04								.05	.02	2.66
Ashfork	Verde							T.							T.	T.	T.	.25	.45					T.	T.		T.						0.70
Aztec	Gila																		.53	1.07													1.60
Benson	San Pedro							.03			T.			.10				.42	.17	.62		.47								.56	.26		2.63
Bernardino	Sonora			T.	T.			T.					.50				.12			.05	.07	.30								.02	.25	.35	1.66
Bisbee	San Pedro															.15	.10			.05	.08	.11								.08		.90	1.47
Blue	Gila							T.				.10			.20		.22	.25	.62			T.										T.	1.39
Bonita	do							.18	.20					.21			.65	.20	1.55	.13	.25	.18										.12	3.67
Bowie	do																																
Buckeye ‖	do						T.							.10			.06	.03		T.		.25										0.44
Canille	San Pedro				T.	.02	.09	T.	.22				T.	.12	.18		.42	.43	.08	T.	.15	.49	T.		T.					1.45	.10	.12	3.75
Casa Grande	Gila						T.													.75	.25	.15											1.15
Casa Grande Ruins	do						T.			T.				T.	.23	T.		T.	.02	.04	.04	.11											0.44
Cave Creek (near)	Desert						.06							13					.02	.35		.38										T.	0.94
Chandler	Salt									T.						.12			.20			T.											0.32
Chin Lee	L. Colorado							T.	.04	.02			.03	T.	.86	T.	T.	.08	.05	.19	.01	T.			T.								1.28
Chiarsons Mill	Gila									1.10							.51	.35	.87	.21	.70	.80	.05		.01	.03					.03	.69	4.75
Clifton	do							1.75	T.		T.				.14		.84	.13		.40	T.	.23	.10									.04	3.63
Cochise	Desert								T.		.15							.14	.25			.35								.18			1.07
Columbia	Agua Fria																.15	.25	.10	.15	.15	.10											0.90
Cornville	Verde									T.						.12	T.			.05		.25											0.42
Courtland	White						.18			.05			.10					T.	T.	.10	.30									.20	.45	.45	1.83
Don Luis	San Pedro													.50	.10		.35			T.	.28	.22										1.40	2.85
Dos Cabezos	Desert								.58	.25	.10						.14	.15	.30	.32		1.18	.06								.25		3.33
Douglas	Sonora							.18		.28				.80		T.	.57	T.	.05	.03	.07	.26			T.						.60	.47	3.31
Dudleyville	Gila						.02	T.		T.				.27	.25	.13	.01	.71	.02	.18	.65	.20	T.							T.		.52	2.96
Elgin	San Pedro																																
Fairbank	do						T.						.28		.56	.44	.57	.30		.72	.65	.68								.21		.34	4.75
Flagstaff	L. Colorado						T.	T.	.60	T.						.19	.04	.18	.15	.01	.65	.11										T.	1.93
Flagstaff (1)	do						.01	.02	.06	.27	T.				.04	.47	.28	.08	.04	.14	.29	.71	.02										2.43
Florence	Gila														.12			.13	.06	.06												.05	0.42
Fort Apache ‖	Salt						T.		.10	.01					.01	.10	.01		.10		.01	.02									.06	.07	0.49
Fort Huachuca ‖	San Pedro																																
Fort Mohave	Colorado																																
Gila Bend	Gila																.35	.37															0.72
Globe	Salt						.40			.24	.03				.08	T.		.13	.35		1.50	.47										.15	3.35
Grand Canyon	Colorado							.25							.20	.80	.40	T.	.20	.40	.80	.20	.60				T.					T.	3.85
Grand Canyon (1)	do																																
Granite Reef Dam	Salt														.24		.09			.06	.10	1.02											1.51
Greer	Little Colo								.12	.12				.40	.52				.78	.15	.05		.64										2.78
Hackberry	Colorado						T.	T.		.08							T.			.06	T.	.07	.25	T.			T.						0.46
Hereford	Gila			.07				.43	.34				.50				.38	.20		.41	1.09	.35	.03							.02	.40	.25	4.47
Holbrook	Little Colo												1.21	.23				.24	T.						T.	.36					T.	T.	2.04
Indian Oasis	Desert																																
Intake	Salt						.90	.08	.20								.45		.35	.30		.40											2.68
Jerome	Verde						.26	T.		.45						.40	.80	.62	.16	.13	.18	.12	.16										3.28
Keams Canyon	Little Colo									.18				.06	T.	T.	.40		.12	T.	.01	.10			T.								0.87
Kingman	Colorado																T.	.02	T.	T.		.04		.02									0.08
Lakeside	Little Colo							.06		.56	.05				.33	.33	T.	T.	.18	.48	.24	.66	.18		T.						.24	.13	3.44
Lewis Springs	San Pedro								.13		.38	T.	.40		.15		.55	1.00	.50			.50	.15									.70	4.46
Lowell Observatory	Little Colo						T.	T.	.82	T.	.02					.24	.07	.15	.20	.02	.74	.15	.43									.02	2.86
McNeal	White													.26			.11	.09		.10	.09	.20			T.						.19	.46	1.50
Maricopa ‖	Gila									T.							T.	.08	.21			.08										T.	0.37
Marinette	Agua Fria																																
Moccasin	Colorado																																

TABLE 2.—*Daily precipitation for July, 1913. District No. 9*—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	31	
Arizona—Contd.																																	
Mohawk Summit	Gila																		.45	.40	.16	.50											1.51
Naco	San Pedro				.05			.14						.35	.08		.15	.38		.38	.12	.33										1.15	3.13
Natural Bridge	Verde															T.	.14	.28	.31	.46	.25	.50										.08	2.02
Nutrioso	Little Colo				T.	T.	T.	.12		T.	.45			.20	.40	.20	.30					.31	.20	T.	.16								2.34
Oracle	San Pedro																																
Osborn	do				T.			.08									.95			.13	.40	.10	T.								.58	.29	2.53
Paradise	Desert								T.	.67						T.	.33	.13	.36	.34		.79	.10							.36	.68	T.	3.76
Parker	Colorado																			.10	.40	.05											.03	0.58
Payson	Verde					.22										.30	.13	.19	.71	.23	.32	.50											.12	2.72
Phoenix	Salt									T.	T.			T.	.01	.08		T.	.02	.80	.02	.01										T.	0.94
Phoenix (1)	do										T.				T.		.03	T.	T.	.18	1.45	.04										T.	1.70
Phoenix (2)	do						T.							.14		.25		.18	.22	.12	.12	.08										T.	1.11
Pinal Ranch‖	Gila																.25	.24	.04	.32	.55	.17										1.05	2.62
Pinedale	Little Colo								.07	.07						.31	.05		.22		.14	1.17	.10								.19	.15	2.47
Pinto	do			T.			T.		T.	T.	T.	T.			T.	T.	T.	T.	.37	.05	.10	.40		T.		T.						.12	1.04
Prescott	Hassayampa						T.	T.	.60	.14	.06					1.20	.38	.07	.16		.06	.16	.44										T.	3.27
Prescott Dry Farm	Verde							.83		.25						.30			.31		.06	.11	.13											1.99
Quartzsite	Colorado																	.10	.27	.16	.31	.06											0.90
Redrock	Santa Cruz																		.25	.70	.38											.15	1.48
Rice	Gila									.15							.03	.03	.56	.02	.16	.35	.02										1.32
Roosevelt	Salt																																
Sacaton	Gila																		.18	.32	.29	.06										.07	0.92
St. Johns	Little Colo									.25					*	*	*	*	.65	.50		.58										.12	2.10
St. Michaels	do							.20	T.						T.	T.	T.	T.	T.	T.	T.	.55	.20								T.		0.95
San Simon	Gila								T.								T.		.30	.35	.20											T.	0.85
Seligman	Verde						T.										T.		.35			T.	T.	T.								T.	0.35
Sentinel	Gila																		.01	.01													0.02
Silverbell	Santa Cruz																																‡0.36
Snowflake	Little Colo															.24		.03			.08	.66	T.									T.	1.01
Springerville	do								.40		.21			.42	.26	.18	.25		.17			.40	.28										2.57
Supal	Colorado								.03								.06	.06	.10			.30	.22	.05									0.82
Tempe	Salt										T.	T.			.08		1.59	.25		.15	.11	.02	.03									T.	2.23
Thatcher	Gila								.25		.05						.25	.75	1.24	.35		.51			T.								.08	3.48
Tombstone	San Pedro							.04			.15		1.56		.32		.03	.18	1.24	.13	.40	.06								.08	.08	.27	4.54
Truxton	Colorado						T.	.02	T.	T.							.12			.09	.21	.02	1.10	.02									1.58
Tuba	Little Colo							.01		T.				T.	.16	.02		.07			.04	.19	.06		.03								0.58
Tucson	Santa Cruz						.09									.01			.64	.04	.13	.21	T.	.03							.01	.16	1.32
Tucson (1)	do						.17									.07		.02	.44	.18	.16	.20	.02		T.							.22	1.48
Tucson (2)	do						T.	.14										T.	.73	1.06	.27	.40								.02	.20	.24	3.06
Vail	do													.15				.20	.55	.60		.70								.55			2.75
Walnut Grove	Hassayampa						.30			.40								1.10	.40		.23		.32										2.75
Wickenburg	do						.29			T.														.20								.05	0.54
Willcox	Desert																																
Williams	Colorado							.50									.60		.30				.40										1.80
Winslow	Little Colo																																
Yuma	Colorado							T.												T.		.15										.02	0.17
Yuma (1)	do																		.03	T.	T.		.01									T.	0.04
Nevada.																																	
Caliente	Colorado																		T.	T.	T.	T.	T.	T.			T.						T.	
Las Vegas	do																T.	T.	T.	T.	.08	T.	.15	.12	T.	T.	T.	T.					0.35
Logan	do																	T.	T.	T.	T.	.03		.02	T.								0.05

* 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 July, 1913. District No. 9, Colorado Valley.*

Date.	Wyoming.				Colorado.										Utah.										New Mexico.			
	Daniel.		Green River.		Durango.		Grand Junction.		Gunnison.		Meeker.		Steamboat Springs.		Emery.		Fort Duchesne.		Hite.		Moab.		St. George.		Bloomfield.		Fort Bayard.	
	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	72	34	86	38	88	45	93	57	81	39	84	39	82	32	72	41	88	48	103	62	100	50	101	57	94	42	93	52
2	70	43	81	53	89	47	98	62	82	45	87	39	84	33	70	40	91	47	104	60	100	56	104	60	97	47	91	59
3	68	45	85	53	88	42	97	63	81	41	87	39	83	39	71	42	89	54	103	74	99	65	101	71	93	49	93	59
4	68	47	78	44	88	46	94	62	80	36	87	39	.....	.....	75	41	85	61	101	76	98	59	102	68	92	49	94	63
5	78	36	89	39	94	51	97	62	86	36	87	39	85	33	76	41	93	48	107	69	104	57	111	57	97	48	94	63
6	81	38	95	44	91	57	100	66	85	44	90	42	90	32	81	42	96	51	110	74	107	66	108	66	97	63	90	60
7	83	44	91	52	90	51	100	70	84	40	90	48	89	41	80	40	95	59	109	73	106	64	104	69	97	59	92	62
8	81	46	91	49	92	52	96	67	84	36	85	52	87	41	81	39	92	58	107	75	103	63	106	71	98	56	91	63
9	84	46	92	54	87	54	96	70	82	50	85	47	82	41	80	39	90	61	104	75	102	65	107	69	97	61	93	63
10	72	45	83	56	87	57	96	66	79	49	85	52	80	51	71	35	89	69	104	76	99	65	108	69	92	63	91	63
11	68	34	73	47	88	51	89	60	81	43	84	43	72	40	76	40	86	58	98	73	93	57	105	68	95	53	98	70
12	75	30	87	36	88	48	91	56	82	46	84	37	81	29	80	41	89	48	101	66	98	48	105	54	93	49	98	67
13	74	32	84	47	90	49	99	66	82	36	89	44	89	32	89	40	90	48	103	71	101	59	102	76	95	52	92	66
14	75	34	88	46	87	57	91	69	79	35	81	56	76	45	85	46	90	56	100	81	98	67	100	77	93	60	81	51
15	76	34	89	47	83	58	87	63	76	40	80	50	75	50	81	49	89	53	94	79	90	72	101	80	90	59	86	57
16	70	39	80	54	84	55	83	62	72	46	72	50	75	46	83	47	88	62	99	71	95	62	101	74	88	59	85	58
17	83	45	91	57	83	53	85	65	74	40	75	53	75	45	80	41	85	55	96	69	93	64	92	71	89	55	83	57
18	82	43	85	56	81	56	86	60	79	53	74	50	70	45	81	43	85	55	93	66	86	62	92	69	90	55	82	55
19	79	40	82	53	78	52	86	60	72	50	78	53	.....	.....	80	45	83	57	92	65	88	51	96	64	85	59	81	56
20	81	42	87	42	77	52	83	61	70	46	74	53	.....	.....	77	42	84	59	95	66	94	56	93	66	85	58	80	61
21	80	40	82	42	76	56	87	66	71	45	74	49	75	38	85	43	85	56	96	70	91	60	95	64	86	61	72	54
22	77	56	78	53	79	57	86	66	69	42	76	52	76	43	81	41	86	57	95	65	93	63	95	64	85	58	74	55
23	72	54	79	53	76	49	82	63	75	49	75	52	67	49	80	40	80	53	91	70	91	65	88	65	80	50	80	54
24	68	55	89	41	78	44	88	58	77	50	76	46	72	50	76	39	81	69	96	67	93	54	91	57	83	48	83	55
25	67	39	78	39	79	45	86	61	74	52	77	41	72	34	73	41	82	42	94	70	93	56	92	60	83	51	83	53
26	68	36	75	44	78	42	86	60	76	35	75	39	77	33	80	46	84	48	91	62	90	50	92	54	85	46	84	53
27	69	34	76	37	75	43	80	62	69	35	73	42	76	39	71	41	77	59	87	57	86	57	92	54	82	43	82	52
28	66	34	78	40	80	39	86	57	70	30	77	37	74	35	78	44	83	41	94	59	93	48	94	55	87	41	84	51
29	65	33	80	41	80	45	90	59	75	32	80	38	76	32	80	45	86	43	95	63	94	52	93	59	86	46	83	57
30	70	34	69	47	83	45	90	56	71	33	80	40	79	29	85	47	84	46	94	60	98	60	96	56	86	58	80	57
31	76	30	85	31	87	47	92	61	79	35	80	40	.....	.....	88	50	89	45	103	68	101	54	101	55	91	46	82	60
Mns.	74.1	40.2	83.1	46.3	84.0	49.8	90.3	62.5	77.3	41.5	80.7	45.2	78.5[d]	39.1[d]	78.9	42.3	86.8	53.7	98.7	68.8	96.0	58.9	98.6	64.5	89.7	52.9	85.4	58.3

Date.	Arizona.																				Logan, Nev.	
	Douglas.		Flagstaff.		Fort Apache. §§		Grand Canyon.		Parker.		Phoenix.		Prescott.		St. Michaels.		Tucson.		Yuma.			
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
1	100	68	85	37	98	48	90	48	104	68	104	67	94	47	92	42	105	58	111	67	109	59
2	104	62	83	42	96	60	90	48	104	65	104	69	91	51	90	48	104	62	105	70	109	64
3	102	59	82	50	96	60	88	46	108	63	104	72	89	51	89	54	101	73	106	74	106	64
4	105	66	86	52	97	50	86	46	118	65	102	77	91	55	91	52	102	75	107	66	106	65
5	106	68	90	46	105	61	90	48	116	63	110	76	99	53	96	48	109	73	111	74	112	66
6	105	70	90	54	98	60	92	49	112	63	108	81	98	60	94	57	107	74	112	77	113	76
7	101	67	83	60	95	53	92	44	108	65	104	80	93	62	94	60	100	73	105	82	110	74
8	101	73	85	52	96	58	90	48	104	63	107	81	93	58	90	58	103	78	112	77	112	76
9	102	72	84	53	93	58	88	50	102	63	110	84	93	61	91	57	106	81	114	78	113	76
10	105	75	85	54	95	59	86	50	104	63	108	81	93	61	89	55	105	73	115	79	113	71
11	102	74	90	53	99	55	88	52	104	64	110	82	98	63	92	54	107	82	113	79	111	75
12	102	73	89	46	98	61	88	54	112	65	106	79	94	54	94	48	106	77	107	82	113	69
13	95	69	82	57	92	60	86	52	110	65	98	79	89	65	90	58	103	77	98	79	100	87
14	87	68	77	58	88	60	80	56	118	65	96	76	82	61	86	56	93	77	99	78	103	82
15	95	70	68	54	89	59	78	54	121	62	100	76	85	57	84	55	99	71	106	72	104	75
16	98	57	71	53	85	56	80	52	118	67	100	73	77	55	85	56	95	74	106	76	106	69
17	95	67	73	52	87	54	82	50	116	67	95	74	77	54	82	54	96	70	106	77	90	67
18	93	65	72	50	88	53	80	50	116	65	95	69	77	56	82	53	88	60	100	75	95	72
19	93	67	70	49	85	51	78	48	99	86	95	68	79	57	79	42	88	66	97	77	99	71
20	82	64	72	50	84	51	78	48	101	63	93	68	80	55	81	54	85	66	99	77	101	75
21	80	61	66	51	82	58	78	50	104	63	87	72	75	60	77	51	84	64	96	73	98	73
22	90	62	65	51	75	48	80	48	102	72	93	70	69	56	76	54	92	63	101	68	86	70
23	96	69	70	41	84	50	80	49	103	65	98	69	77	46	76	50	97	62	101	69	94	65
24	97	70	73	41	88	50	82	48	102	63	98	68	79	45	81	48	98	62	101	65	98	62
25	96	69	72	41	95	47	80	48	104	63	97	70	79	47	80	46	98	65	102	67	97	57
26	97	70	66	40	85	44	78	46	103	63	89	66	72	47	78	52	97	59	90	67	93	59
27	95	68	69	36	88	45	80	45	104	62	95	65	75	44	75	45	96	59	95	61	96	55
28	95	68	71	36	86	45	82	42	102	65	95	66	78	45	80	40	96	62	100	68	98	60
29	97	67	74	37	90	54	80	44	102	65	95	68	81	46	82	48	96	62	100	66	99	60
30	97	59	79	40	90	57	80	44	102	63	98	66	86	47	86	50	96	67	104	66	103	60
31	90	67	81	51	84	55	80	48	100	78	90	75	82	55	89	50	93	68	95	70	107	63
Means	96.9	67.2	77.5	48.0	90.7	54.2	83.5	48.5	107.2	65.5	99.5	73.1	84.7	54.0	85.5	51.5	98.2	68.8	103.7	72.8	103.0	68.3

[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.