

CLIMATOLOGICAL DATA FOR JULY, 1911.

DISTRICT No. 9, COLORADO VALLEY.

FREDERICK H. BRANDENBURG, District Editor.

Apart from western Wyoming, where the temperature and rainfall were close to the normal, the month in the basin of the Colorado was unusually cool, as well as the wettest July in a great many years; in Arizona it was the wettest of record. The persistence and regular distribution of the rainfall in Arizona and New Mexico were remarkable, and, while heavy downpours occurred in localities, the resulting damage was many times offset by benefits; this was especially true of the desert regions of Arizona and western New Mexico, where, at the close of the month, all water holes were full, and a luxuriant growth of grass covered the ranges. The persistency of rain in southwestern Colorado caused swollen streams in the San Juan Basin, and much damage was done to ranch property, besides causing a complete failure of the first crop of alfalfa and a deterioration in the condition of other field crops. The heavy rains of the 17th and 18th, on the watershed of Lightner Creek, northwest of Durango, caused the stream to overflow its banks, destroying some crops and washing out the bed of the railroad. In the adjoining county of San Juan, in New Mexico, heavy downpours caused freshets that damaged culverts and irrigation ditches in La Plata, San Juan, and Animas Valleys. On the 14th and 20th the San Juan River at Bloomfield, N. Mex., was the highest in 35 years.

TEMPERATURE.

The mean of the 143 stations reporting was 72.3°, or 2.8° below the normal. The mean for July, 1910, was 75.4°. By subdivisions the means and departures were: Western Wyoming, 59.2°, +0.4°; western Colorado, 61.8°, -3.1°; eastern Utah, 70.1°, -1.6°; western New Mexico, 70.9°, -2.5°; Arizona, 79.0°, -3.1°; and southeastern Nevada, 74.4°. The highest monthly mean was 93° at Parker, Ariz., and the lowest, 44.6°, at Corona, Colo. In the southern and central portions of the district the daily mean temperatures were below the normal nine-tenths of the month, and in the southwestern portion of Colorado there was only one day warmer than the normal. By subdivisions the extremes were: Western Wyoming, 88° at Eden and 27° at Daniel; western Colorado, 99° at Grand Valley and 26° at Fraser, Lay, and Pyramid; eastern Utah, 106° at Springdale and 24° at Seofield; western New Mexico, 101° at Deming and 40° at Aragon and Dulce; Arizona, 120° at Mohawk Summit and 28° at Flagstaff No. 2; southeastern Nevada, 104° and 43° at Caliente.

PRECIPITATION.

The average for the 194 stations reporting was 3.18 inches, or 1.40 inches above the normal, and 0.50 inch less than for August, 1909, the wettest summer month since the beginning of the records. The average for July, 1910, was 1.70 inches. The rainfall was unusually well distributed both geographically and throughout the

month, the last two days being the only days without rainfall over the greater part of the district. By watersheds the averages and departures were: Green, 1.03, ±0.00; Grand, 3.13, +1.20; San Juan, 5.09, +4.43; Little Colorado, 3.68, +2.10; Gila, 3.74, +1.65; Mimbres, 5.08, +2.98; and Colorado, proper, 1.60, +0.81 inch. The greatest monthly amount was 8.58 inches at Chromo, Colo., and the least monthly amount, 0.03 inch, at San Rafael, Utah. Monthly amounts in excess of 4 inches were recorded at 22 stations in Colorado, 11 in New Mexico, and 31 in Arizona. Daily falls of 2 inches or more were noted at 2 stations in New Mexico and 18 stations in Arizona. By subdivisions the greatest and least monthly amounts were: Western Wyoming, 0.25 at Eden and 0.13 at Daniel; western Colorado, 8.58 at Chromo, and 0.84 at Grand Junction; eastern Utah, 3.95 at Monticello and 0.03 at San Rafael; western New Mexico, 7.13 at Deming and 2.46 at Lordsburg; and Arizona, 8.35 at Intake and 0.22 at Parker.

The average number of days with 0.01 inch or more precipitation was 4 in western Wyoming, 14 in western Colorado, 7 in eastern Utah, 12 in western New Mexico, 10 in Arizona, and 2 in southeastern Nevada; and for the district as a whole 11 days.

MISCELLANEOUS.

The sunshine was much below the average. Grand Junction reported 66, Durango 68, Flagstaff 55, Phoenix 74, and Yuma 85 per cent of the possible. In western Colorado the deficiency was about 11 per cent. In Arizona the deficiency ranged from 5 per cent at Yuma to 17 per cent at Flagstaff.

The relative humidity was unusually high for July in the central and southern parts of the district. Grand Junction reported 48, Durango 72, Flagstaff 73, Phoenix 53, and Yuma 51 per cent.

THE COLORADO RIVER.

The discharge of the Grand at Fruita was somewhat above the average of recent Julys; the highest stage, 9.2, was noted on the 7th, when the discharge was 23,200 second-feet. The lowest stage, 5.6 feet, occurred on the 31st. The discharge of the Green, which was not much affected by the rainfall, was somewhat below the average. The highest stage, 9.6 feet, occurred on the 1st, when the discharge was 20,100 second-feet. The San Juan carried an unusually large volume due to the heavy rainfall in southwestern Colorado and northwestern New Mexico. As a result of the downpours the river at Shiprock reached 13.2 feet on the 14th and 14.6 feet on the 20th, said to be the highest stages in 35 years. At Topock, on the trunk stream, the highest stage, 12 feet, occurred on the 1st, and the lowest, 6 feet, on the 17th-19th. At Yuma the average height was practically the same as the average for the last five years.

TABLE 1.—Climatological data for July, 1911. District No. 9, Colorado Valley.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.				Sky.				Prevailing wind direction.	Observers.	
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelting.	Number of rainy days, 0.01 inch or more.	Number of clear days.	Number of partly cloudy days.			Number of cloudy days.
Wyoming.																				
Daniel	Uinta	6,740	12	56.6	+ 0.4	83	23†	27	1†	48	0.13	- 0.62	0.13	0	1	22	9	0	nw.	J. M. Van Dervort.
Eden	Sweetwater	6,577	2	61.8		88	14	30	9	53	0.25		0.08	0	7	18	13	0	w.	Eden Valley L. & I. Co.
Green River	do.	6,083	6																	Geo. W. Maxom.
Merna	Uinta																			U. S. Forest Service.
Pinedale	Fremont	6,167	5																	Do.
Willow Creek Cabin	do.	7,500	2																	Do.
Colorado.																				
Ashcroft	Pitkin	9,483	9	51.8	- 3.3	73	15	32	31	37	4.29	+ 2.52	0.72	0	22					Dan McArthur.
Bed Rock	Montrose																			W. B. Weybright.
Breckenridge	Summit	9,536	22	50.6	- 2.9	73	14	28	31	43	4.45	+ 2.22	1.42	0	13	19	9	nw.	Mrs. J. G. Thompson.	
Buford	Rio Blanca										1.94		0.70	0	21	8	2	w.	Mrs. H. Gemler.	
Cascade	San Juan	8,900	4								7.14		1.77	0	25	19	17		San Juan W. & P. Co.	
Cadarede	Delta	6,175	13	67.8	- 2.3	89	11	47	8	40	1.06	+ 0.28	0.42	0	8	6	8		Harry A. Cobbett.	
Chromo	Archuleta	7,500	5	60.2		82	9†	38	9†	44	8.58		1.90	0	19	8	13	sw.	Lawrence Nolan.	
Cochetopa	Saguache	9,088	2								3.38		0.45	0	22	1	13	w.	Miss Bessie McDonough.	
Collbran	Mesa	6,000	18	65.8	- 3.0	88	11	43	9	38	1.93	+ 0.81	0.78	0	3	9	17	sw.	A. A. Wood.	
Columbine	Routt	8,766	1											0	1	8	33	sw.	Mrs. M. A. Caron.	
Columbine Ranch	Delta	6,925	1								3.86		1.03	0	13	10	9	s.	Geo. W. Wade.	
Corona	Grand	11,660	4	44.6		60	10	30	2†	26	4.40		0.98	0	15	1	12	w.	U. S. Weather Bureau.	
Cortez	Montezuma	6,100	4	68.8		95	12	45	31	41	4.04		1.53	0	3	8	5	s.	Wm. C. Syrett.	
Craig	Routt																		Joseph P. Haubrich.	
Crawford (near)	Montrose	6,600	1	64.4		85	11	45	9	35	2.47		0.86	0	12	15	1	s.	C. W. Roe.	
Crested Butte	Gunnison	8,867	1	54.5		79	11	30	31	46	5.32		1.03	0	15	4	10		Charles L. Ross.	
Delta	Delta	4,965	21	71.4	- 2.9	98	11	45	10†	51	1.53	+ 0.70	0.49	0	7	13	10	n.	E. M. Getts.	
Dillon	Summit	8,800	1	52.7		75	14	28	31	43	3.23		0.92	0	20	9	17	n.	Harry T. Hamilton.	
Durango	La Plata	6,534	16	64.7	- 4.0	87	10	46	31	37	5.21	+ 3.66	0.92	0	20	9	17	nw.	U. S. Weather Bureau.	
Eureka	San Juan	10,000	4								4.92		0.99	0	19	6	19	n.	San Juan W. & P. Co.	
Fraser	Grand	8,560	2	51.4		75	12	26	10	47	3.33		1.04	0	13	0	17	n.	L. D. C. Gaskill.	
Fruita	Mesa	4,510	12	72.9	- 2.3	98	11	38	9	54	1.37	+ 0.53	1.31	0	3	7	17	n.	J. B. Wilsea.	
Gladstone	San Juan	10,400	4								5.28		1.67	0	23	0	19	ne.	San Juan W. & P. Co.	
Glenwood Springs (near)	Garfield	5,823	13	64.8	- 3.0	91	17	36	31	49	2.93	+ 1.82	0.85	0	9	21	5	w.	E. A. O'Neil.	
Grand Junction	Mesa	4,608	20	74.8	- 4.4	96	10	54	9	36	0.84	+ 0.34	0.40	0	7	10	14	se.	U. S. Weather Bureau.	
Grandlake	Grand	8,153	3								2.70		1.10	0	5	11	18	2	w.	Mrs. Belle Kauffman.
Grand Valley	Garfield	5,089	19	70.2	- 2.6	90	11	39	8†	55	1.69	+ 0.80	0.63	0	9	5	20	6		David Evans.
Gunnison	Gunnison	7,070	18	60.6	- 0.6	87	11	35	5	46	4.21	+ 3.02	0.68	0	18	11	17	3		Clarence Adams.
Horsely	Montrose	8,700	1																	Lawrence J. Finch.
Ironton	Ourray	10,000	1								5.51		1.50	0	26	1	26	4	ne.	P. H. Foley.
Lake City	Hinsdale	8,686	16	58.1		79	10	40	4†	36	3.01		0.41	0	27	3	13	15	s.	J. F. Maurer.
Lay	Routt	6,380	17	63.2	- 3.6	90	12	26	9	56	1.41	+ 0.53	0.47	0	11	9	12	10	sw.	A. G. Wallihan.
Mancos	Montezuma	6,960	13	63.0	- 3.4	83	9†	43	31	37	5.39	+ 4.08	1.34	0	18	5	20	6	w.	B. M. Krumpantzky.
Marble	Gunnison	7,951	13	57.4		81	11	33	9	41	4.14		0.99	0	15	12	10	9	ne.	F. E. Morse.
Marshall Pass	Saguache	10,846	8								5.98		1.10	0	18	6	12	13	w.	Wm. D. Lillard.
Meeker (near)	Rio Blanca	6,182	19	61.2	- 4.2	87	20	31	9	47	0.97	- 0.59	0.42	0	7	11	13	7		T. Baker.
Montrose	Montrose	5,811	22	68.4	- 1.4	92	15	47	9	41	2.10	+ 1.32	0.60	0	14	11	11	9		U. S. Reclamation Service.
Nast	Pitkin	7,953	1	54.8		76	10†	32	9	42	3.22		0.67	0	10	10	16	5	w.	Arthur Hanthorn.
Pagoda	Routt	6,500	20																	Mrs. T. W. Scott.
Pagosa Springs	Archuleta	7,108	4	61.5		84	9	36	31	45	5.84		1.50	0	22	5	16	10	sw.	E. J. Walker.
Palisades	Mesa	4,729	7	75.0		96	10	56	9	36	1.26		0.98	0	4	13	11	7	sw.	G. S. Herbolzheimer.
Paonia	Delta	5,694	16	67.9	- 5.1	90	11	48	9	38	1.51	+ 0.57	0.48	0	8	2	26	3	sw.	J. M. Underwood.
Parshall	Grand										2.52		0.60	0	7					F. A. Field.
Pitkin	Gunnison	9,500	2								4.47		0.77	0	17	6	19	6		Mrs. Maggie Camman.
Pyramid	Rio Blanca										0.86		0.30	0	10	10	18	3	w.	E. E. Eery.
Rangely	do.	5,050	12	59.4		89	9	26	9	60										Mrs. C. P. Hill.
Redcliff	Eagle	8,695	18								3.96		0.63	0	14	12	5	14		Dorothea Greiner.
Rico	Dolores	8,824	9								7.10		0.84	0	25	5	7	19	sw.	Clinton B. Smith.
River Portal	Montrose	6,570	5	65.4		89	10†	42	9	45	2.55		0.45	0	14	9	4	18		U. S. Reclamation Service.
Sapinero (near)	Gunnison	8,125	8	57.0		77	10	35	31	38	2.71		0.55	0	13	13	12	6	w.	W. F. Irving.
Shoshone	Garfield	6,110	1	68.8		95	14	49	9	39	1.86		0.62	0	15	6	9	16		Central Colorado Power Co.
Silverton (near)	San Juan	9,400	4	52.9		78	28	29	3	42	4.83		1.30	0	21	5	9	17	sw.	San Juan W. & P. Co.
Spruce Lodge	Grand	9,600	3								4.97		1.52	0	20					H. J. Wills.
Steamboat Springs	Routt	6,683	8	59.4		88	12	27	9	53	2.12		0.65	0	7	25	2	4		M. Elliot Houston.
Tacoma	La Plata	7,300	4								5.07		1.02	0	19	7	7	23		San Juan W. & P. Co.
Telluride	San Miguel										5.90		1.23	0	26	7	11	13	ne.	John T. March.
Terminal Dam	La Plata	8,300	4	57.0		79	10	33	30	44	5.94		1.30	0	20	4	24	3	s.	San Juan W. & P. Co.
Terrill's Ranch	Mesa	7,000									2.33		0.65	0	8	5	24	2	ne.	A. F. Terrill.
Uncompahgre Plateau	Montrose	8,400	1								4.96		1.43	0	13	6	23	2	sw.	Martin Esser.
Yampa (near)	Routt	8,000	2								2.67		0.42	0	10	4	22	5	nw.	Percy A. Hughes.
Utah.																				
Aneth	San Juan	4,800	8	74.4		96	9†	53	4	38	2.40		0.55	0	8	16	13	2		H. R. Antes.
Bluff	do.			76.6		100	9†	57	5†	42	2.21		1.10	0	9	2	5	24	e.	G. D. James.
Castle Dale	Emery	5,500	12	66.4	- 2.4	91	10	44	1†	40	1.72	+ 1.14	0.55	0	6	13	18	0		James Jeffs.
Cisco	Grand	4,447																		John J. Anderson.
Dragon	Uinta			68.8		93	15	40	9†	50	1.10		0.55	0	8	22	4	5		Gilson Asphaltum Co.
Duchesne	Wasatch			66.5		91	15	36	9	49	0.63		0.26	0	5	8	20	3		M. M. Smith.
Elkhorn	Uinta	6,657	1								0.87</									

TABLE 1.—Climatological data for July, 1911. District No. 9—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.							Precipitation, in inches.					Sky.			Prevailing wind direction.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	Number of rainy days, 0.01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.		
<i>Utah—Continued.</i>																				
Orderville.....	Kane.....	6,600	1							1.34		0.40	0	8				F. A. Porter.		
Pine Valley.....	Washington.....	6,000								2.16		1.10	0	5				Mason Gardner.		
Price.....	Carbon.....	5,557		69.6		93	11†	46	1	1.32		0.56	0	4	25	1	5	R. H. Thompson.		
Ranch.....	Kane.....	6,700	9	62.6		87	10†	38	4	0.90		0.18	0	9	2	21	8	J. W. Seaman.		
San Rafael.....	Emery.....									0.03		0.02	0	2	11	7	13	W. C. Foy.		
St. George.....	Washington.....	2,880	21	80.8	- 1.4	104	4†	52	3	2.01	+ 1.04	1.22	0	5	5	13	13	A. B. Ballantyne.		
Scotfield.....	Carbon.....	7,625	1	57.9		86	13	24	9	1.31		0.41	0	11	17	6	8	B. Newren.		
Springdale.....	Washington.....	3,500	3	81.3		106	10	60	4†	1.31		0.87	0	5	17	2	12	Hattie Flanigan.		
Sunnyside.....	Carbon.....	5,280	6							1.30		0.50	0	9				Henry Cullum.		
Teasdale.....	Wayne.....	7,000	3	64.5		85	16	46	2†	0.71		0.20	0	8	9	1	21	Josiah Shurtz.		
Thompsons.....	Grand.....	5,150		74.6		96	16	53	2†	0.94		0.24	0	6	9	18	4	A. J. Stormont.		
Tropic.....	Garfield.....	7,000	13	67.2	+ 0.0	90	9†	45	4†	1.73	+ 0.84	0.72	0	5	3	25	3	E. P. Bolton.		
Trout Creek Ranger.....	Uinta.....	9,200	1							1.87		0.45	0	13	9	18	4	Forest Supervisor.		
Vernal.....	do.....	5,050	15	68.6	- 3.1	95	12	36	9	0.28	- 0.46	0.16	0	5	23	8	0	S. P. Trim.		
Woodside.....	Emery.....	4,645		74.2		100	11	44	9	0.70		0.48	0	4	20	0	11	D. P. Adams.		
<i>New Mexico.</i>																				
Alma.....	Socorro.....	5,500	15	73.6	- 0.9	97	31	51	31	3.50	+ 1.08	0.70	0	12	2	19	10	sw.	M. A. Balke.	
Aragon.....	do.....	5,856	4	61.8		87	30†	40	24†	3.70		0.70	0	10	6	22	3	sw.	John R. Milligan.	
Aztec.....	San Juan.....	5,590	11							4.22	+ 3.19	0.83	0	12	7	15	9	e.	Dr. T. J. West.	
Blackrock.....	McKinley.....	6,500	3																R. J. Bauman.	
Bloomfield.....	San Juan.....	5,500	16	72.4	- 2.3	99	9	49	31	4.01	+ 3.02	0.88	0	14	5	21	5	sw.	Fred LeClerc.	
Clambray.....	Luna.....	4,215	12							3.80	+ 2.34	1.10	0	11	5	18	8	w.	Agent Southern Pacific R. R.	
Cliff.....	Grant.....	4,470	12																W. C. Belden.	
Columbus.....	Luna.....	4,054	2			98	31	60	25	5.19		1.68	0	11	9	11	11	sw.	Agent E. P. & S. W. R. R.	
Deming.....	do.....	4,333	34	76.7		101	3	50	11†	7.13	+ 5.06	2.35	0	12	0	6	25	w.	Agent Southern Pacific R. R.	
Dulce.....	Rio Arriba.....	6,756	4	65.4	- 0.3	87	10	40	31	5.64	+ 2.88	1.53	0	21	4	13	14	w.	Agent Southern Pacific R. R.	
Fort Bayard.....	Grant.....	6,152	36	70.7	- 2.0	90	5	54	25†	4.59	+ 1.55	1.74	0	15	10	11	10	nw.	U. S. General Hospital.	
Fort Wingate.....	McKinley.....	6,997	47																Medical Corps, U. S. Army.	
Fruitland.....	San Juan.....	4,800	18	71.2	- 3.5	92	9†	52	9†	4.50	+ 3.66	1.30	0	14	10	18	3	sw.	Cyril J. Collyer.	
Gage.....	Luna.....	4,486	4																Agent Southern Pacific R. R.	
Gila Planting Station.....	Grant.....	6,475	2	67.9		87	31	52	22	3.63		1.76	0	11	8	17	6	sw.	U. S. Forest Service.	
Hachita.....	do.....	4,504	2							4.74		1.86	0	14	6	20	5	e.	Agent E. P. & S. W. R. R.	
Haynes.....	Rio Arriba.....	6,600	1	72.6		91	11	60	4†	5.64		1.42	0	10	21	9	1	nw.	Dr. John R. Haynes.	
Hermans.....	Luna.....	4,451	2							5.15		2.10	0	7	5	13	13	w.	Agent E. P. & S. W. R. R.	
Lordsburg.....	Grant.....	4,245	11	76.8	- 6.0	100	30†	59	25	2.46	+ 0.69	0.93	0	9	4	20	7	sw.	Agent Southern Pacific R. R.	
Luna.....	Socorro.....	7,300	6																C. B. Martin.	
Mimbres.....	Grant.....	5,007	6							6.23		1.70	0	16	6	22	3	w.	Charles Dennis.	
Pinos Altos.....	do.....	8,000																	O. L. Scott.	
Pratt.....	do.....	4,415	2							2.76		0.85	0	10	14	0	17		Agent E. P. & S. W. R. R.	
Putnam.....	San Juan.....	6,200																	D. Lee Thompson.	
Redrock.....	Grant.....	4,150	6							3.00		0.86	0	8	7	16	8		Robert H. Woods.	
Rodeo.....	do.....	4,118	2							3.47		1.55	0	5	7	13	11		Agent E. P. & S. W. R. R.	
<i>Arizona.</i>																				
Allaires Ranch.....	Cochise.....	4,184	15							2.13	- 0.46	0.69	0	8	7	19	5	w.	Thomas Allaire.	
Alpine.....	Apache.....	7,500																	U. S. Forest Service.	
Aztec.....	Yuma.....	492	12	92.6	- 2.7	115	30†	72	1†	0.95	+ 0.73	0.34	0	5	19	4	8	w.	Agent Southern Pacific Co.	
Benson.....	Cochise.....	3,523	31	77.4	- 7.7	100	31	60	1†	38	+ 1.75	0.80	0	17	9	13	9	e.	Do.	
Bisbee.....	do.....	5,500	21	71.5	- 3.8	90	30†	56	2†	2.38	+ 1.16	0.64	0	12	9	6	16	e.	Rev. J. G. Pritchard.	
Bowie.....	do.....	3,756	35	76.0	- 4.0	104	31	50	10	1.27	- 0.43	0.83	0	3	5	19	7	sw.	Agent Southern Pacific Co.	
Buckeye.....	Maricopa.....	980	20	88.4	+ 1.0	113	31	66	2	4.3	+ 2.50	2.00	0	6	22	7	2	sw.	H. E. Kell.	
Canille.....	Santa Cruz.....	5,225	2							4.71		1.05	0	15	0	24	7	sw.	R. A. Rodgers.	
Casa Grande.....	Pinal.....	1,396	29	90.2	- 2.9	111	27†	63	21	4.5	+ 0.54	1.30	0	1	11	12	8	sw.	Agent Southern Pacific Co.	
Casa Grande Ruins.....	do.....	1,422	3	86.8		110	31	66	31	4.4		1.33	0	10	8	7	16	w.	F. Pinkley.	
Cave Creek.....	Maricopa.....	1,520	4	82.2		106	13†	62	2†	44		2.00	0	11	10	19	2		E. A. Howard.	
Chin Lee.....	Apache.....	6,090	3	70.8		91	31	51	4†	35		0.72	0	15	5	5	21	n.	Fr. L. Ostermann, O. F. M.	
Charlsons Mill.....	Graham.....	8,000	5	62.7		79	30	50	24	25	5.78		1.30	0	11	7	18	6		H. R. Chlarsen.
Clifton.....	Greenlee.....	3,584	21	81.9		103	30†	64	25	32	4.19	+ 2.33	1.05	0	14	7	20	4		P. Reisinger.
Cline.....	Gila.....	2,300	11	80.0	- 3.9	100	15†	61	31	39	5.07	+ 3.18	2.00	0	10	5	19	7	sw.	W. M. Clanton.
Cochise.....	Cochise.....	4,219	13	77.2	- 4.2	101	31	55	3	39	2.21	+ 0.16	0.85	0	6	19	0	12	sw.	Agent Southern Pacific Co.
Columbia.....	Yavapai.....	1,900	9	84.9		112	11	59	6	46	3.76		1.00	0	9	7	3	21	sw.	M. J. Nolan.
Courtland.....	Cochise.....	4,543	2							3.38		1.30	0	12	3	15	13	sw.	Agent E. P. & S. W. Co.	
Dos Cabezos.....	do.....	5,250	3	75.8		101	5	49	2	45	4.53		1.20	0	9	12	13	6	w.	N. Erickson.
Douglas.....	do.....	3,930	8	77.6		103	30†	54	1	44	2.90		0.48	0	19	8	12	11		Dr. F. T. Wright.
Dudleyville.....	Pinal.....	2,204	20	79.2	+ 1.4	100	31	64	1†	36	2.19	+ 0.69	0.84	0	14	4	22	5	sw.	G. F. Cook.
Fairbank.....	Cochise.....	3,862	2							2.50		0.80	0	8	1	23	7	sw.	Agent E. P. & S. W. Co.	
Flagstaff.....	Cocconino.....	6,907	19	62.6	- 2.4	84	9	44	5	37	5.53	+ 3.74	1.08	0	19	6	11	14	nw.	U. S. Weather Bureau.
Flagstaff (1).....	do.....	7,452	4																C. C. Moers.	
Flagstaff (2).....	do.....	7,500	1	59.7		83	9	28	4†	50	5.44		1.66	0	18	3	11	17	sw.	U. S. Forest Service.
Florence.....	Pinal.....	1,504	12	76.6	- 11.7	110	31	49	1	48	2.54	+ 1.06	1.02	0	8	7	22	2	sw.	Agent Ariz. Eastern R.R.Co.
Fort Apache.....	Navajo.....	5,200	39	70.4	- 3.6	92	19	45	4	43	4.88	+ 1.89	0.51	0	19	10	15	6	sw.	Post Surgeon, U. S. Army.
Fort Huachuca.....	Cochise.....	5,100	26	75.1	+ 2.1	99	30†	56	2	37	2.15	- 1.43	1.10	0	4	13	0	18	sw.	Do.
Gilabund.....	Maricopa.....	737	21	91.0	- 3.0	117	6†	70	2†	40	2.27	+ 1.49	1.46	0	5	20	1	10	w.	Agent Southern Pacific Co.
Globe.....	Gila.....	3,525	10	78.8	- 3.7	100	13†	62	3†	35	4.78	+ 2.32	2.09	0	10	4	20	7	sw.	B. G. Fox, M. D.
Grand Canyon.....	Cocconino.....	6,866	6	63.3		85	8	40	2†											

TABLE 1.—Climatological data for July, 1911. District No. 9—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.					Precipitation, in inches.				Sky.				Prevailing wind direction.	Observers.	
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelting.	Number of rainy days, 0.01 inch or more.	Number of clear days.			Number of partly cloudy days.	Number of cloudy days.
Arizona—Continued.																			
Natural Bridge.....	Gila.....	4,990	22							6.83	+ 4.33	2.00	0	13	5	10	16	sw.	D. G. Goodfellow.
Oracle.....	Pinal.....	4,500	18							5.28		1.14	0	6	6	17	17	w.	W. H. Winters.
Osborn.....	Cochise.....	4,676	2							5.28		1.14	0	6	6	17	17	sw.	Agent E. P. & S. W. Co.
Paradise.....	do.....	4,436	5	68.9	.....	82	31	49	28	4.33		0.13	0	0	23	23	23	sw.	J. C. Hancock.
Parker.....	Yuma.....	3,345	17	69.0	- 0.9	118	15	70	1†	4.33		0.13	0	0	6	6	6	sw.	M. A. Israel, M. D.
Payson.....	Gila.....	5,550	3	69.8	.....	90	31	50	31	6.47	+ 5.40	4.98	0	12	0	0	25	sw.	M. McDonald.
Phoenix.....	Maricopa.....	1,108	16	86.0	- 4.4	109	31	65	2	6.13	+ 4.91	3.80	0	9	9	19	19	sw.	U. S. Weather Bureau.
Phoenix 1.....	do.....	1,092	20	85.5	- 7.7	110	31	64	2	5.20		1.49	0	7	13	12	12	sw.	G. Acuff.
Phoenix 2.....	do.....	1,189	2	86.6	.....	110	30	67	17	5.20		1.49	0	6	16	9	6	sw.	Horne & Armstrong.
Pinal Ranch.....	Pinal.....	4,520	17							5.34	+ 2.63	1.20	0	10	14	17	10	sw.	Irion & Craig.
Pinto.....	Apache.....	5,660	7							3.76	+ 0.86	1.02	0	9	13	17	17	sw.	Mrs. C. F. Henning.
Prescott.....	Yavapai.....	5,320	44	69.6	- 3.9	95	6	51	33	3.76	+ 0.86	1.02	0	11	13	14	14	sw.	J. W. Flinn, M. D.
Quartzsite.....	Yuma.....	8,800	3	91.8	.....	115	31	69	23	4.5		1.00	0	5	15	13	3	sw.	W. E. Scott.
Redrock.....	Pinal.....	1,894	3	87.7	.....	110	14†	64	1	0.73		0.25	0	5	5	26	0	w.	W. J. Crowell.
Roosevelt.....	Gila.....	2,175	7	85.0	.....	104	31	67	22	5.18		1.72	0	9	9	17	7	sw.	U. S. Reclamation Service.
Sacaton.....	Pinal.....	1,280	4	86.0	.....	109	14†	57	22	4.11		1.40	0	9	13	13	5	sw.	E. W. Hudson.
St. Johns.....	Apache.....	6,650	8	70.2	.....	94	29	49	5	3.32		1.20	0	10	7	19	5	w.	A. Shreeve.
St. Michaels.....	do.....	6,950	24	66.8	- 2.4	92	29	46	31	4.17	+ 2.10	1.40	0	16	4	18	9	sw.	Rev. A. Weber, O. F. M.
Salome.....	Yuma.....	1,875	4	82.8	.....	107	31	56	16	1.39		0.47	0	7	7	18	5	sw.	Mrs. M. B. Swartz.
San Carlos.....	Gila.....	2,466	29	80.6	- 5.5	108	30	57	17†	2.99	- 1.35	1.33	0	5	3	24	4	sw.	F. S. Thomas.
San Simon.....	Cochise.....	3,609	27							2.15		1.05	0	9	6	22	3	sw.	Agent Southern Pacific Co.
Seligman.....	Yavapai.....	5,219	6	72.3	.....	98	9†	47	4	3.54	+ 2.86	2.53	0	7	16	13	3	sw.	Lib. A. T. & S. F. R. Co.
Sentinel.....	Maricopa.....	685	12	89.8	- 5.0	114	14	66	22†	3.64		2.25	0	6	7	16	0	sw.	Agent Southern Pacific Co.
Silverbell.....	Pima.....	2,650	6	83.4	.....	106	31	60	1†	3.64		1.50	0	13	3	19	9	sw.	Imperial Copper Co.
Snowflake.....	Navajo.....	5,644	1	70.0	.....	92	9	52	31	5.89		1.50	0	14	9	10	0	sw.	W. J. Flake.
Springerville.....	Apache.....	6,862	1	64.0	.....	84	8†	45	25	3.96		0.97	0	14	9	10	0	sw.	U. S. Forest Service.
Supai.....	Coconino.....	3,200	5	84.4	.....	107	10	62	25	0.77		0.55	0	4	23	0	0	sw.	A. H. Symons.
Tempe.....	Maricopa.....	1,165	7	85.6	.....	109	31	67	2†	5.33		2.10	0	10	6	22	2	sw.	F. H. Simmons.
Thatcher.....	Graham.....	2,800	8	80.0	.....	103	30†	59	31	3.40		2.00	0	6	8	15	7	sw.	Prof. J. H. Larson.
Tombstone.....	Cochise.....	4,550	17	76.8	+ 1.5	101	30	58	1†	2.13	- 0.94	0.68	0	10	5	20	6	sw.	F. N. Walcott.
Truxton.....	Mohave.....	3,997	2	80.8	.....	103	15†	62	4	0.77		0.15	0	10	8	17	5	sw.	G. A. Dennis.
Tuba.....	Coconino.....	4,500	12	74.0	- 3.6	95	9†	50	2	1.90	- 0.24	0.52	0	8	12	14	4	sw.	H. P. Marble.
Tucson.....	Pima.....	2,390	32	83.6	- 3.1	106	15†	49	3	1.57	- 0.55	0.52	0	10	9	29	2	sw.	University of Arizona.
Tucson (1).....	do.....	2,380	3	82.0	.....	106	13†	61	28	2.16		0.72	0	10	5	22	4	sw.	J. M. Robe.
Tucson (2).....	do.....	2,526	3	83.5	.....	106	30	64	3	1.43		0.50	0	15	8	17	4	sw.	U. S. Coast & Geod. Surv.
Vail.....	do.....	3,421	12	83.0	- 2.7	104	31	60	26	2.59	+ 1.43	0.90	0	4	10	17	4	sw.	Agent Southern Pacific Co.
Walnut Grove.....	Yavapai.....	3,649	21							4.61	+ 2.75	1.30	0	13	6	19	5	sw.	J. O. Carter.
Wickenburg.....	Maricopa.....	2,072	13	85.4	- 0.3	108	12	60	16	3.40	+ 2.39	1.25	0	4	8	18	5	sw.	Agent S. F. P. & P. Ry.
Wilcox.....	Cochise.....	4,164	29	72.4	- 9.4	100	31	40	10†	3.21	+ 1.42	1.45	0	5	16	12	6	sw.	Agent Southern Pacific Co.
Williams.....	Coconino.....	6,750	11	63.3	- 4.7	86	9	43	5	5.52	+ 2.59	1.30	0	19	6	17	8	sw.	E. J. Nordyke.
Winslow.....	Navajo.....	4,853	7							0.42	+ 0.30	0.37	0	3	25	4	2	sw.	J. F. Bauer.
Yuma.....	Yuma.....	141	32	90.2	- 0.7	115	31	69	4	0.44		0.36	0	2	17	0	14	sw.	U. S. Weather Bureau.
Yuma.....	do.....	150	4	85.8	.....	112	30	62	4	0.44		0.36	0	2	17	0	14	sw.	A. L. Crane.
Nevada.																			
Caliente.....	Lincoln.....	4,407	1	74.4	.....	104	11†	43	31	1.09		0.58	0	2	17	8	6	sw.	Salt Lake Route.
Logan.....	Clark.....	1,700	4										0					sw.	R. M. Filcher.

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, 1911. 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		
<i>Utah—Continued.</i>																																			
St. George.....	Colorado.....													.23		.05		.33	.18	1.22															2.01
San Rafael.....	Green.....																					.01	.02		.02									0.03	
Scofield.....	do.....			T.				.01							.02			.01	.22	.01	.41	.33		.01		.02		.01	.17	.10		.02		1.31	
Springdale.....	Colorado.....				.10														.07	.87	.12		.12		.10									1.30	
Sunnyside.....	Green.....				.03													.05	.07	.50			.17				.24	.03	T.					1.01	
Teasdale.....	Colorado.....						.02										.03		.10			.13	.20				.03	.05						0.71	
Thompsons.....	Green.....		.04			.19		T.													T.	.12	.16		.15		.03	.05		.19				0.94	
Tropic.....	Colorado.....			T.	T.	T.		.13							.24				.24						T.	.37		T.	.27	T.				1.73	
Troutcreek Ranger	Green.....	.15	.10					.09							.15			.10	.20	.05	.01	.45		T.	.25	.22	.05				.05		1.87		
Vernal.....	do.....								.03								T.							.02	.05									0.28	
Woodside.....	do.....																	.02							.01		.48							0.70	
<i>New Mexico.</i>																																			
Alma.....	Gila.....	.57		.12	.03	T.	T.	T.		T.	.50	.70		T.		.09	T.	.17		.20						.68		.32	.10	.02				3.50	
Aragon.....	do.....	.55		.20			T.	.15		.20	.25	.10					.50	.50		T.						.70		.55						3.70	
Aztec.....	San Juan.....	.68	.41					.02			.05	.72		.04			.60		.04	.54		.83		.01		.28			T.					4.22	
Blackrock.....	L. Colorado.....										.01	.19	.72	.12	.01	T.	.43	.06	.21	.51	.01	.40	T.					T.						4.01	
Bloomfield.....	San Juan.....	.88	.38	.08	T.		T.	T.																											3.80
Cambrey.....	Mimbres.....	1.10		.15	.44	.15	.05	T.			.59	.08	.01		T.		.22								.21		.80							5.19	
Cliff.....	Gila.....																																		7.13
Columbus.....	do.....		.02		.28	1.40	1.07	.71	.19	.77	.10						.14				.38							.13						5.64	
Deming.....	Mimbres.....	T.			.34	.95	.60	.36		1.16	1.19							.23	.01	T.	.01	.36					*	.85	.70	.57			4.59		
Dulce.....	San Juan.....	.71	.18	.12		.01	.06	.01	.01		.02	1.74	.06	.44	1.53	.23	.09	.34	T.	.20		.04	T.			.35	.09	.02	.03	.08	T.			5.64	
Fort Bayard.....	Mimbres.....	.39			.06	T.	.13	.80	T.		.02	1.74	.06	.44	1.53	.23	.09	.34	T.	.20		.04	T.			.41	T.	.05	.04	T.			4.59		
Fort Wingate.....	L. Colorado.....																																	4.50	
Fruitland.....	San Juan.....	.50	.30	.20			1.30					.07		.15	.60	.11	.05	.15	.02	.60	.05	T.						.40						4.50	
Gage.....	Mimbres.....																																		
Gila Planting Sta-	do.....	.22		T.	T.	T.	.13	.36	T.	.36	1.76	T.		T.	.09	.04	T.	.19		.02	T.	T.				.40		.06			T.	T.		3.63	
Hachita.....	Gila.....	.43			.45		.12	.10	.05	T.	1.86	.12			.04		.04	T.	.53		.12	T.	.04			.20	.05	T.	.63					4.74	
Haynes.....	San Juan.....	.07	.88				.16				.20		.15	.62			1.12																		5.64
Hermanes.....	Gila.....					.25	1.25		1.10		2.10	.15															.10								5.15
Lordsburg.....	do.....					.22		.05		.93	.22	.15																							2.46
Luna.....	do.....																																		6.23
Mimbres.....	Mimbres.....	.59		.14	.73		.17	.22		.39	1.70	.12		.02			.08	.60		.84	.11					.25			.24	.03				2.76	
Pinos Altos.....	Gila.....																																		3.00
Pratt.....	do.....				.27	.11		.12		.85	.10	.17	.40			.09					.17		.48												3.47
Putnam.....	San Juan.....																																		
Redrock.....	Gila.....	.41									.44	.21	.09		.09		.51	T.			T.					.86	T.	.39						3.00	
Rodeo.....	do.....								*	.95	1.55	.55														.42	T.	.39						3.47	
<i>Arizona.</i>																																			
Allaires Ranch.....	Sonora.....		.10							.26	.24	T.			.10												.08		T.		.16			2.13	
Alpine.....	Gila.....																																		.95
Aztec.....	do.....	.33																		.05	.07		.16						.34					3.80	
Benson.....	San Pedro.....	.30				.02	.31		T.	.18	.38	.21	.08		.12	.18	.50	.05	T.	.33		.20	.80			T.	.07	.18	.12	.10		T.		2.38	
Bisbee.....	do.....	.25	.20		T.		.08		.05	.64	.06	.33		.10	.09	.18	.50	.05	T.	.83		.13	.20	.80			T.	.07	.18	.12	.10		T.	1.27	
Bowie.....	Gila.....																																		3.73
Buckeye.....	do.....	.41	.67						T.	T.											.12		.01						.52					4.71	
Camille.....	San Pedro.....	.40	.32			T.	.05	.04	T.	.02	1.05	.85	.09	.35	.06		T.	.65				.02						.60	.13	.08				1.30	
Casa Grande.....	Gila.....									1.30																									3.23
Casa Grande Ruins.	do.....	1.33	.09				.02												.45	.03	.20	.04	.05					.87	.15					6.24	
Cave Creek.....	Verde.....	2.00	1.20				.26												1.50		.24	.15	.23	.24			.72	T.	.29				3.59		
Chin Lee.....	San Juan.....	.41	.57	.43	.01		.05	.01			1.06	.33		.02	.11		.15				.58	.11	.23	T.	T.		.75	.01	.80	.42		.17		5.78	
Chlaronas Mill.....	Gila.....	.70																																	4.19
Clinton.....	do.....	.19		.01	.02				T.	T.	.03	.03	.52		.65	.01			.69			1.05					.49	.15	.19	.16				5.07	
Cline.....	Salt.....	2.00	.54					.10																											2.21
Cochise.....	Desert.....									.36	.20	.20																							3.76
Columbia.....	Agua Fria.....	1.00	.08	T.		.75							.30	T.					T.	.30	.25	.35				.45	.28						3.38		
Courtland.....	White.....	.25	.04				.02			.70	.10	.30	.04	.07	.40		.14		1.30								.02							4.53	
Dos Cabezos.....	Desert.....						.05			.85	.25	1.20										.06	.85	.19			.53		.55	.06					2.90
Douglas.....	Sonora.....	.04			.25	T.	.02	.22	.36	.21	.28		.06	.42	.02	.33	.48	T.	.02	.34	.23	T.	.02			.06	.02	.02	.06					2.19	
Dudleyville.....	Gila.....	.84	.01	T.	.01		.01	T.	T.	.10	T.	.01	.17		.10	.24																			2.50
Fairbank.....	San Pedro.....	.10				T.	.04			.80	.18								.67		.07	.42					.22								5.53
Flagstaff.....	L. Colorado.....	.51	.04	.57	.03	T.	.03	.59			.02	.29	.20	.11	T.	T.	T.	1.08	.13	T.	.23	.22	T.			.29	.34	.18	.44	.23	T.			5.44	
Flagstaff (1).....	do.....																																		2.54
Flagstaff (2).....	do.....	.60	T.	.33	T.	.04		.44				.01	1.66	.01	.15	.13	T.	.15	T.	T.	.34	.01	.01</												

TABLE 2.—Daily precipitation for July, 1911. 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				
<i>Arizona—Contd.</i>																																					
Phoenix (2)	Salt	2.10	1.96																.49	.20		.26												.25		5.26	
Pinal Ranch	Gila	.82	1.49	.25		.08		.11											.35		1.06		.41										.40		5.34		
Pinto	Little Colorado	.49	.08		T.					.25	.35	.52	T.	.35									T.	.33	.20							.25		2.82			
Prescott	Hassayampa	.65	.58	.13		T.	T.						T.	T.			T.	T.	1.02		1.10	.40	.08	.12		.15	.20	.33						3.76			
Quartzsite	Colorado	.02	.06														.22			1.00	.47	.32												.21	2.09		
Redrock	Santa Cruz	.19	T.							T.	T.	T.	T.	T.			.25				.02	.06			T.		.21								0.73		
Roosevelt	Salt	1.76	.22						.64	.14							.19			.62	.31	.30			.29		.71								5.18		
Sacaton	Gila	1.40	.30					.15								.04	.45	.15	.08		.62	.31	.30				.75					.79			4.11		
St. Johns	Little Colorado	.11	.22	.15	.16									.65		.18			1.20	.30	.10	.25													3.32		
St. Michaels	do	.60	.40	.05	T.	.14	T.				.05	.15	.20		T.		.05		.30	1.40	.05	T.		.05	.05	.45	.08	.15						4.17			
Salome	Colorado	.11										.06	.08				.31				.47	.33	.03												1.39		
San Carlos	Gila	.32	.51					.08										.85		1.23	T.	T.												T.		2.99	
San Simon	do																																				
Seligman	Verde	.10													.06	.12			1.05	.14			.55	T.	.06		.03	.04							2.15		
Sentinel	Gila	.42	.08										.01	.01				.01	.48			2.53														3.54	
Silverbell	Santa Cruz	2.25	.20					.05					.25			T.	.34					.02	.03				.55	T.							3.64		
Snowflake	Little Colorado	.87	.73	.35		T.	.76	T.			T.	.03	1.50	T.			T.	.34	.34	.03	1.04	T.	T.			T.	.03	.02	.09	.10					5.89		
Springerville	do	.14							.08	T.	.68	.28	.07		.97	.04		.69	.27		.20	.16			.04	.29	.05								3.96		
Supai	Colorado	.11																.55			.47				.01	.11										0.77	
Tempe	Salt	2.02	2.10	.05		.04												.73		.07	.32	.83					.02	.15							6.33		
Thatcher	Gila	.45		.35									.30				2.00								.10		.20								3.40		
Tombstone	San Pedro	T.				.15	.02	.32	.68	.05	.53				.14		.19					.02	.03												2.13		
Truxton	Colorado	.01			T.	T.				.10			T.		.05	T.	.03		.15	.09	T.	.08	T.	.05	T.	.11	.10								0.77		
Tuba	Little Colorado		T.	.08	T.				.21					T.	.22	.19				.52		.40				.24						.04	T.			1.90	
Tucson	Santa Cruz	.52	.18			T.				T.	.05	T.			T.	.12	T.	.21				.16			T.		.09	.24							1.57		
Tucson (1)	do	.70	.07							.09	.05				.02			.14				.10			.02		.72	.25							2.16		
Tucson (2)	do	.51	.06			T.	T.			T.	T.	.06			T.			.12			.17	.01	T.		T.		.16	.34							1.43		
Vall	do									.32							.80					.57					.90									2.59	
Walnut Grove	Hassayampa	.45	.25												.03	.01	.18	1.00	.18			.38		.01	.02	1.20	.80	.10							4.61		
Wickenburg	do	1.25	.60														1.20					.35														3.40	
Willcox	Desert									.31				.05			1.04					.36				1.45										3.21	
Williams	Colorado	.24	.03	.40	.05	T.	.06	.28			T.	.16	.14	.33	T.			.92	.64	.08	1.30	.25	.15		.18	.17	.03					.11			5.52		
Winslow	Little Colorado																																				
Yuma	Colorado	.04													.01	T.	.37						T.													0.42	
Yuma (1)	do	.08															.36																			0.44	
<i>Nevada.</i>																																					
Caliente	Colorado																																				1.09
Logan	do																																				

* 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, 1911. 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	60	27			73	54	80	63	80	40	71	48	75	45	80	41	82	48	86	72	90	69	88	63	77	57	79	56
2	73	30			65	55	81	62	66	48	72	46	77	47	82	43	85	45	92	65	91	54	93	56	70	57	87	58
3	77	34			74	55	72	62	71	48	74	50	72	50	80	46	86	42	82	62	76	70	98	52	85	58	84	64
4	78	39			77	50	85	57	75	44	77	40	77	41	79	41	90	52	94	65	92	58	104	60	89	57	87	62
5	80	44			80	49	91	62	77	35	80	44	81	39	81	47	95	50	98	65	94	61	97	64	93	55	90	55
6	78	40			76	51	85	64	72	50	77	44	79	50	83	42	90	57	99	68	93	57	104	67	84	62	82	58
7	76	42			72	54	86	64	70	50	76	40	78	45	82	41	89	50	97	74	92	61	99	70	82	57	77	55
8	60	35			82	49	91	63	74	45	84	44	78	39	81	43	85	52	101	70	93	61	99	61	93	57	81	59
9	69	27			85	50	90	54	80	39	78	31	78	27	80	40	90	38	100	69	96	49	100	59	99	54	82	58
10	75	30			87	50	96	61	86	40	84	37	83	30	85	43	94	43	100	65	99	50	103	56	96	59	72	56
11	80	35			82	59	96	65	87	60	85	40	86	33	82	40	96	46	101	70	100	60	99	72	86	61	78	59
12	80	50			79	58	95	67	76	56	86	42	88	39	85	46	98	49	97	75	99	67	99	73	83	58	84	57
13	80	42			77	57	80	67	81	46	81	45	86	46	87	46	96	55	95	67	99	66	100	66	80	60	88	59
14	78	40			78	59	95	63	81	42	83	45	85	37	89	47	96	47	96	72	99	61	101	71	82	65	86	58
15	79	39			79	54	94	66	80	49	83	46	84	39	83	45	95	57	103	72	101	62	102	69	94	61	89	60
16	77	41			79	54	92	68	76	45	84	45	76	38	87	54	93	54	101	72	100	63	104	69	94	60	82	59
17	80	43			75	50	92	64	77	48	81	50	77	39	85	52	94	55	102	73	99	60	98	68	88	57	80	58
18	81	42			74	53	88	66	75	40	76	48	76	45	83	59	84	58	99	73	98	62	93	69	92	60	85	58
19	75	40			71	57	81	66	67	53	70	47	75	39	82	50	88	58	88	69	93	65	91	66	73	59	82	61
20	77	36			76	59	89	62	75	49	87	44	85	39	81	53	94	53	95	68	90	60	92	65	82	58	83	60
21	80	40			74	57	78	66	70	50	78	52	80	47	79	56	91	54	94	73	89	68	82	65	85	63	83	61
22	81	39			77	53	72	63	64	52	71	57	65	50	76	57	90	60	92	75	88	67	89	66	88	59	86	55
23	83	35			80	51	88	60	69	53	67	37	78	40	76	57	93	51	96	70	91	58	91	67	91	57	84	58
24	81	39			74	51	88	60	70	39	81	37	77	37	79	53	90	47	97	67	89	58	95	64	77	57	76	57
25	83	37			69	53	78	64	72	48	74	44	75	42	73	55	85	56	90	64	87	57	96	66	89	55	74	54
26	70	35			72	50	88	61	71	45	78	46	76	41	72	51	93	48	96	64	93	60	97	68	89	55	82	58
27	70	33			76	47	84	61	76	46	79	42	77	38	80	52	91	48	94	71	91	60	93	65	87	54	79	54
28	73	30			77	48	89	59	74	44	80	43	80	42	81	56	93	50	96	72	94	60	97	68	90	53	85	58
29	76	31			78	48	89	60	70	46	80	44	84	34	80	53	94	47	98	65	95	59	99	64	93	54	88	60
30	69	43			80	50	91	60	78	40	80	43	77	38	84	49	92	77	99	67	95	59	100	59	94	54	89	62
31	72	37			82	46	90	60	76	48	80	37	70	31	82	47	92	43	100	65	97	52	102	56	95	49	88	63
Mns.	75.8	37.3			76.8	52.6	86.9	62.6	74.7	46.4	78.6	43.8	78.5	40.2	81.3	48.5	91.1	51.3	96.1	69.0	93.6	60.5	96.9	64.6	87.3	57.5	83.0	58.4

Date.	Arizona.																				Logan, Nev.			
	Bisbee.		Flagstaff.		Fort Apache.		Grand Canyon.		Parker.		Phoenix.		Prescott.		St. Michaels.		San Carps.		Tucson.		Yuma.		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	78	60	58	52	70	58	64	43	103	70	79	66	64	55	72	52	78	65	82	65	88	72		
2	71	56	72	51	75	59	70	40	105	75	82	65	76	54	70	53	87	63	82	63	101	69		
3	81	56	70	50	80	56	78	40	108	75	94	72	79	55	74	52	97	62	93	49	105	70		
4	86	61	74	44	87	45	81	41	112	85	100	69	85	53	81	51	97	65	98	68	110	69		
5	83	62	76	44	88	48	82	41	113	80	104	72	86	53	83	50	100	73	100	70	110	73		
6	77	62	80	44	89	46	83	43	111	80	100	76	95	52	82	50	98	71	101	78	107	73		
7	80	62	76	49	87	52	84	46	110	70	100	74	87	53	83	55	99	62	98	73	106	76		
8	77	63	78	44	88	52	85	47	107	95	100	73	85	60	81	50	103	75	96	72	106	75		
9	74	62	84	47	88	55	83	57	100	85	100	78	92	56	85	51	100	67	93	75	93	75		
10	73	61	78	52	87	50	82	56	102	80	92	78	84	58	83	52	94	72	89	70	98	80		
11	79	61	73	53	89	52	81	55	108	80	98	77	82	56	80	59	91	69	90	71	105	72		
12	82	60	73	54	86	59	80	54	104	80	101	78	84	64	79	53	102	69	98	70	103	75		
13	83	63	82	48	90	58	79	60	112	82	107	78	88	56	81	55	106	58	104	74	111	77		
14	82	63	80	53	87	55	83	52	109	82	106	83	88	61	82	55	107	66	102	81	109	84		
15	82	63	79	54	89	57	76	54	118	82	104	83	93	61	80	52	103	66	106	80	114	84		
16	84	64	84	51	85	52	79	57	113	90	104	78	86	60	81	54	107	62	102	71	107	81		
17	76	62	78	52	88	56	77	59	103	85	92	73	85	63	83	54	92	57	91	71	94	77		
18	80	62	74	57	88	60	65	55	101	80	92	79	78	61	84	59	96	61	94	72	100	78		
19	80	65	69	56	92	58	63	53	105	80	90	77	74	58	79	57	89	57	94	73	102	78		
20	80	65	70	56	85	56	65	52	105	80	96	75	72	61	78	54	91	68	92	73	105	79		
21	80	62	68	55	81	59	68	52	95	78	92	68	74	59	81	59	90	60	93	75	93	71		
22	83	60	72	46	78	59	72	54	100	75	94	69	77	54	79	55	92	65	97	69	101	70		
23	84	63	76	49	80	56	70	54	105	75	97	74	79	51	80	53	98	68	98	72	103	73		
24	78	66	79	50	84	59	72	52	111	70	103	77	83	54	78	55	101	62	96	74	108	75		
25	79	61	72	52	82	59	70	52	106	70	98	77	81	58	77	53	90	63	96	76	110	85		
26	78	62	71	49	86	55	62	49	109	75	98	69	77	58	72	52	96	60	96	67	107	81		
27	78	61	71	53	84	58	75	54	100	75	92	69	78	57	78	55	92	57	90	67	104	76		
28	83	66</																						