Climatological Data for September, 1910.

DISTRICT No. 11, CALIFORNIA.

Prof. ALEXANDER G. MCADIE, District Editor.

GENERAL SUMMARY.

September in this district was somewhat cooler than the average. There was more rain than normally falls in September, the month, as a rule, being one of light precipitation, still at a large number of stations there was no precipitation during the month. There was a period of unsettled weather in many sections on the 13th, 14th, and 15th, and in the southern counties showers occurred also on the 30th, the precipitation being light however, except in the mountains.

There were no special features of importance in the general character of the weather for the month. There was a succession of pleasant days with moderate temperatures on the coast, and no extremely high temperatures in the interior from the 1st until the 13th. The morning reports of September 10 indicated the existence of a kona storm over the Hawaiian Islands; and the pressure distribution over the United States was such that the possibility of a northward extension of the subtropical rain belt suggested itself to the forecaster. On the night of September 13 rain was imminent in the extreme southern counties of California, and thunderstorms were reported throughout the Valley of the Colorado with strong southerly winds. Northerly winds with a rainfall of 1.22 inch occurred at Yuma, Ariz., and 1.94 inch fell at Campo, Cal. Rain began at Blythe, Cal., on the 12th, and continued until the 14th.

The rain area slowly extended northward across the Sierra Madre, and on September 14 heavy showers occurred throughout the San Joaquin Valley, the Sierra Nevada, Owens Valley, and eastward through the Great Basin. There was but little change in pressure distribution. While the disturbance originated in the south and moved northward, there was practically no rain at Los Angeles and San Diego; but heavy rain fell along the coast between Point Hueneme and Point Conception. At Santa Barbara, on the 15th, 2.36 inches fell and at Pine Crest 2.54 inches. The rainfall at Ventura, or rather in the whole bean section, did considerable damage to beans. In the raisin section of the San Joaquin considerable damage was done, as the grapes were on the trays and conditions were not favorable for stacking. The total rainfall at Fresno up to 8 a. m. of September 15 was 1.00 inch, making the largest seasonal rainfall to date during the past 23 years. This early rain is described in detail elsewhere in the report from this section.

That portion of the month between the 16th and 19th was one of unsettled weather, with considerable cloudiness in the morning hours and at night, but fair weather during the day. From the 20th to the 30th normal conditions existed, except in the counties south of the Tehachapi, where at the close of the month thunderstorms occurred.

The month was without any warm spells, particularly high temperatures with strong north winds. In the desert sections some high temperatures were recorded, notably 119° on the 3d at Mammoth Tank, and 116° at Indio on the 9th, and 115° at Blythe on the same date. Last year during September the highest temperature recorded in this section was 108°.

The prevailing winds in the southern counties were from the south; but in the coast counties they were from the west. There was considerable fog along the coast during the morning hours.

TEMPERATURE.

Comparing the present month with previous years it appears that the mean temperature of the State, while nearly a degree cooler than the mean for the past 14 years, was warmer than September, 1907. September, 1908, and September, 1909, had practically normal temperatures.

Year.	Mean.	Departure.	Year.	Mean.	Departure.
	° F.	° F.		° F.	° F.
1897	67.7	−0.5	1904	70.3	+2.1
1898	69.2	+1.0	1905	68.6	+0.4
1899	70.9	+2.7	1906	68.6	+0.4
1900	65.4	−2.8	1907	65.6	−2.6
1901	66.0	−2.2	1908	68.1	−0.1
1902	70.1	+2.5	1909	68.2	0.0
1903	68.7	+0.5	1910	67.3	−0.9

The highest temperature recorded was 119° on the 3d, at Mammoth Tank; and the lowest 20°, which occurred at three places on different dates, namely, Quincy on the 1st, Macdoel on the 12th, and Alturas on the 14th. The highest mean temperature was 93° at Mammoth Tank and the lowest mean, 42.2° at Hornbrook.

PRECIPITATION.

The precipitation was greater than during any September during the past 5 years. The following table gives the average precipitation:

Year.	Amount.	Departure.	Year.	Amount.	Departure.
	Inch.	Inch.		Inch.	Inch.
1897	0.03	−0.46	1904	2.66	+2.17
1898	0.64	+0.15	1905	0.16	−0.33
1899	0.03	−0.46	1906	0.25	−0.24
1900	0.22	−0.27	1907	0.13	−0.36
1901	0.94	+0.35	1908	0.49	0.00
1902	0.01	−0.48	1909	0.52	+0.03
1903	0.10	−0.39	1910	0.69	+0.20

The greatest monthly precipitation was at Ozena, Ventura County, 4.15 inches, and there were other heavy rainfalls throughout Ventura and Santa Barbara counties. The rainfalls were also unusually heavy and unusually early in Fresno, Kings, Tulare, and Kern counties. There were a number of stations reporting 1.00 inch of rain or more on September 15. The greatest 24-hour rainfall was 4.10 inches, which occurred in the Ojai Valley September 14–15. Many stations reported no precipitation during the month.

SUNSHINE.

The following table gives the hours of sunshine and the percentage of possible:

Stations.	Hours.	Per cent of possible.	Stations.	Hours.	Per cent of possible.
Eureka	132	35	San Diego	268	72
Fresno	338	91	San Francisco	251	67
Los Angeles	282	76	San Jose	290	78
Mount Tamalpais	346	93	Alturas	.....	83
Red Bluff	326	87	Santa Barbara	.....	74
Sacramento	343	92	Santa Cruz	205	.....

NOTES ON THE RIVERS OF THE SACRAMENTO AND SAN JOAQUIN WATERSHEDS DURING THE MONTH OF SEPTEMBER, 1910.

By N. R. TAYLOR, Local Forecaster.

Sacramento watershed.—There was little change in the Sacramento River north of Red Bluff during the month; the river at that point averaged 1.0 foot, which is the same as that recorded during the month preceding, and 0.4 foot above the low water of 1908.

There was also a slight rise between Red Bluff and Colusa, while south of Colusa, and especially between that station and Knights Landing, there was a rise between the 15th and 19th. At Knights Landing the average stage was −0.1 foot, the lowest of which there is a record.

By the close of the month the river at most points had receded to the low stages that prevailed previous to the rains and was either stationary or falling slowly from the mouth of the Pitt River to Collinsville.

Heavy rains in the headwaters of the Feather-Yuba from the 14th to 16th resulted in marked rises in all of the smaller streams throughout this territory, but, with the exception of the Yuba at Marysville, where there was a rise of slightly over 1 foot, little effect of the rains was noted in the main streams.

The American River averaged somewhat higher than during the preceding month.

San Joaquin watershed.—Rain fell generally throughout the drainage basin of the San Joaquin River from the 14th to 16th, and all the tributaries responded thereto. At most points the river, prior to the rains, reached the lowest levels ever recorded, notably, the Stanislaus at Melones, where it fell to over 4 feet below the zero gage, and where an average of nearly 4 feet below was maintained.

The San Joaquin itself responded quickly to the rainfall at all points along its course, with a rise of over 3 feet at Pollasky and Firebaugh, and of 2 feet at Lathrop, but it receded rapidly during the last decade of the month, and its general average was as low or lower than that of the month preceding.

EARLY RAIN AT FRESNO, CAL., IN SEPTEMBER.

By W. E. BONNETT, Local Forecaster.

No feature of the meteorological record for the month needs particular remark except the unusual rains of the 14th and 15th. The extremes of temperature, 102° on the 1st and 48° on the 13th, are well within the limits established from 23 years of record. The rains here mentioned are remarkable for their amount and for the early date upon which they occurred. A fall of 0.27 inch occurred during the forenoon of the 14th, this being greater than any shower to that date since the beginning of the Weather Bureau record at Fresno. A further fall of 0.73 inch occurred on the 15th, and the weather remained threatening during the 16th with a light shower in the early morning hours.

Warnings of rain were issued on the evening of the 13th, and the work of stacking the raisin trays went on in the vineyards during the entire night. Practically all picking had been done, but the work had been finished so recently before the rains that much labor imported into the vineyards for picking the crop was still available for the business of stacking trays. The inconvenience of night work can well be imagined and the difficulty of securing assistance for stacking in the nighttime hours is very great for those who do not have the necessary help permanently employed. The night of the 13th was partly cloudy to cloudy so that the moon, although nearly full, lent but feeble aid to the workers. Furthermore, the quantity of the product to be thus speedily handled was very great, and a part of the crop was found unprotected when the rains came. It is impossible even at the close of the month to obtain a fair estimate of the damage, but the loss will probably not be very great. In no case that has come to my notice has it been necessary to dispose of the raisin grapes, that were wet, to the wineries as sometimes happens. All will be saved as raisins. The damage consists in a somewhat poorer quality of the product, an inferiority due principally to a less salable appearance rather than to any real inferiority in quality. The fact that the rains were so early will probably account in great part for this comparatively small damage, as the raisins were in the earlier stages of the drying process, many not having been turned. However, the rains are having the important effect of prolonging the drying season and a great proportion of the crop remains on the trays at the close of the month. The ground was thoroughly wet and dew formed almost nightly, a meteorological phenomenon that is rare for September under normal conditions at this place. Drying, therefore, ceases during the night and it is proceeding slowly during the day under this condition of increased humidity. In a lengthened drying season, the cost of production may be greatly increased, owing to the possible need for repeated stacking and unstacking of the trays with the approach of the rainy season.

CONSERVATION OF THE PURITY OF THE AIR—PREVENTION OF SMOKE.

By ALEXANDER G. MCADIE.

Some interesting questions arise in connection with the present use (also the proposals to use on a much larger scale) of electrical agencies for smoke prevention in cities on the Pacific coast, and especially near San Francisco. In the July report of this section reference was made to the methods used for removing the poisonous gases in smelter fumes. The need in this case was urgent, and Doctor Cottrell and those working with him have made it possible for smelters to carry on work near a large city. The irritating gases, especially the sulphur and arsenic compounds, are deposited; but it is our understanding that the carbon products are allowed to pass out into the air.

Beyond the individual problem of protecting the community from the effect of smelter smoke, there looms the much greater problem of the general purification of the air near the ground. It comes home with force to every one who must live near an industrial center that a smokeless atmosphere is a great privilege. In some communities steps have been taken to bring this about, either by improving the methods of combustion or by the use of smoke filters.

Another important matter is that of producing and maintaining dust-free atmospheres where there is special need for the same, as in hospitals, schools, auditoriums, etc. Eventually we must deal with the problem of depositing, not only the dust and nuclei of condensation, but the condensed vapor in the air also. This will lead in time to problems connected with the dissipation of fog at terminal points or in harbors, and ultimately the problem of fog control may be attacked.

In California oil is coming into widespread use and one would naturally think that, with modern methods of combustion, there would be less smoke; but such is not found to be the case. Oil is now being used not only as fuel, but in the making of gas. There is some reason for believing that, with the introduction of certain improvements, gas-house chimneys, which have always been conspicuous offenders in the pollution of the air over cities, may cease to be such. That is to say, it is proposed to practically utilize the carbon recovered in the manufacture of gas from crude oil.

Where oil is used for fuel, the gas products are carbon dioxid, carbon monoxid, and nitrogen. The smoke particles are hydrocarbons, volatile at comparatively low temperatures. In most furnaces the flame is to some degree extinguished by impinging on a comparatively cold surface. The load of carbon dust therefore passes out unconsumed. In a properly-constructed furnace all the fuel should burn and nothing pass out as black smoke. The following paragraph from an editorial in the leading power journal of the Pacific coast is worth quoting in connection with the discussion to be given later, because it not only calls attention to the mischievous effects of imperfect combustion, but shows how the fuel bill can be reduced:

> Smoke is a nuisance in the eyes of the law and any reasonable ordinance intended for its abatement will be sustained by the courts. When the dirt that it creates and the discomfort that it causes become intolerable, the sufferers appeal to the lawyer for relief, and drastic legislation sometimes ensues. This may be obviated by a little care and foresight on the part of the stationary engineers, if they will but anticipate this inevitable effort for civic betterment, by drafting and urging reasonable legislation. In other words, they should not leave to lawyers and politicians the regulation and even operation of their power plants. * * * If half the time expended in trying to outwit the inspector were utilized in legitimate smoke prevention, the fuel bill at least would be the gainer.—*Journal of Electrical Power and Gas. Vol. 25, No. 2, page 34.*

TABLE 1.—*Climatological data for September, 1910. District No. 11, California.*

Stations.	Counties.	Elevation, feet.	Length of record, yrs.	Temperature, in degrees Fahrenheit. Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Precipitation, in inches. Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	Number of rainy days, .01 inch or more.	Sky. Number of clear days.	Number of partly cloudy days.	Number of cloudy days.	Prevailing wind direction.	Observers.
Oregon.																				
Klamath Agency	Klamath	4,169	2	48.5	.....	78	1†	20	11†	56	0.19	.....	0.15	0.0	3	19	6	5	nw.	Edson C. Watson.
Klamath Falls	....do	4,250	15	55.1	− 3.6	79	5†	30	14	43	0.63	+ 0.13	0.36	0.0	4	22	6	2	nw.	W. H. Heilman.
Lakeview	Lake	4,800	7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Geo. L. Wharton, jr.
Merrill	Klamath	4,070	4	53.6	.....	80	2†	25	14	50	0.31	.....	0.30	0.0	2	23	3	4	.....	Mrs. Agnes Ritchson.
Yonna	....do	.....	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Jacob Rueck.
California.																				
Alameda	Alameda	.....	1	62.5	.....	93	20	49	17	....	T.	.....	T.	0.0	0	26	2	2	w.	Chas. E. Sears.
Alturas	Modoc	4,460	6	55.8	.....	87	5	20	14	60	1.91	.....	0.83	0.0	5	21	7	2	sw.	Prof. C. B. Towle.
Anderson (near)	Shasta	550	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	C. S. Richardson.
Angiola	Tulare	208	10	69.4	− 1.8	100	1†	40	9†	56	0.88	+ 0.79	0.88	0.0	1	26	0	4	n.	Santa Fe Co.
Antioch	Contra Costa	46	31	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Southern Pacific Co.
Aptos	Santa Cruz	102	25	59.2	− 1.7	75	9	48	29	....	0.15	− 0.30	0.08	0.0	2	20	1	9	nw.	Do.
Arrowhead Springs	San Bernardino	2,000	1	80.0	.....	107	9	60	4	27	0.50	.....	0.50	0.0	1	.....	.....	.....	.....	G. I. Royce.
Auburn	Placer	1,360	9	67.6	− 3.4	93	3	44	10	43	1.09	+ 0.61	0.63	0.0	2	26	0	4	.....	Southern Pacific Co.
Avalon	Los Angeles	.....	....	66.7	.....	85	14	55	8	18	0.13	.....	0.13	0.0	1	26	4	0	w.	W. N. Vilas.
Azusa	....do	540	8	74.6	.....	112	9	46	21	60	0.00	− 0.31	0.00	0.0	0	27	3	0	sw.	A. P. Griffith.
Bagdad	San Bernardino	784	7	89.4	.....	110	11	66	30	32	0.00	.....	0.00	0.0	0	30	0	0	.....	Santa Fe Co.
Bakersfield	Kern	404	21	77.0	+ 1.2	105	1	52	20	39	0.00	− 0.13	0.00	0.0	0	30	0	0	.....	Do.
Barstow	San Bernardino	2,105	7	81.1	.....	111	9†	50	8	55	0.00	.....	0.00	0.0	0	30	0	0	.....	E. L. White.
Berkeley	Alameda	317	23	58.3	− 3.0	80	14	48	1†	30	0.06	− 0.46	0.06	0.0	1	6	18	6	sw.	State University
Biggs	Butte	98	11	75.0	+ 4.9	95	9	55	14	....	0.25	− 0.21	0.25	0.0	1	28	0	2	s.	Southern Pacific Co.
Bishop	Inyo	4,450	15	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	W. A. Chalfant.
Blocksburg	Humboldt	1,700	4	60.7	.....	91	23	35	17†	49	T.	.....	T.	0.0	0	27	0	3	nw.	Victor Hope.
Blue Canon	Placer	4,695	11	60.6	− 2.2	82	9	32	19	43	2.20	+ 1.04	1.80	0.0	2	22	0	8	n.	Southern Pacific Co.
Blythe	Riverside	.....	1	85.0	.....	115	9	54	23†	51	0.96	.....	0.74	0.0	3	23	4	3	sw.	H. V. Blenkiron.
Branscomb	Mendocino	2,000	10	60.4	.....	87	1†	36	16	43	0.06	− 1.26	0.06	0.0	1	28	2	0	n.	A. J. Haun.
Brawley	Imperial	−105	1	86.6	.....	111	9	60	27†	43	.....	.....	.....	0.0	.....	.....	.....	.....	.....	U. S. Weather Bureau.
Brush Creek	Butte	2,140	6	63.2	.....	96	6	34	12†	52	0.80	.....	0.80	0.0	1	.....	.....	.....	.....	Cal. Gas & Electric Co.
Calexico	Imperial	0	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	J. E. Peck.
Caliente	Kern	1,290	34	75.0	0.0	93	6	64	14	....	0.00	− 0.08	0.00	0.0	0	30	0	0	.....	Southern Pacific Co.
Calistoga	Napa	363	38	58.4	− 8.3	90	10†	49	23†	....	0.10	− 0.26	0.08	0.0	2	27	0	3	.....	Do.
Campbell	Santa Clara	217	13	61.2	− 1.2	90	11†	35	13	49	T.	− 0.43	T.	0.0	0	26	2	2	nw.	F. M. Righter.
Camptonville (near)	Yuba	3,500	3	68.5	.....	98	9†	38	13	46	3.14	.....	1.55	0.0	3	24	4	2	.....	S. B. Johnson.
Cedarville	Modoc	4,675	16	58.4	− 0.2	85	6	32	19	43	0.77	+ 0.35	0.37	0.0	3	23	7	0	sw.	T. H. Johnstone.
Chico	Butte	189	40	70.1	− 4.5	99	9	42	13	47	0.71	+ 0.24	0.71	0.0	1	26	3	1	s.	Butte Co. R. R.
China Flat	Humboldt	600	1	67.0	.....	95	2†	39	26	54	T.	.....	T.	0.0	0	22	7	1	nw.	O. I. Westerburg.
Chino	San Bernardino	714	18	75.0	+ 3.8	104	9	58	7†	....	T.	− 0.04	T.	0.0	0	22	3	5	sw.	Southern Pacific Co.
Cisco	Placer	5,939	39	58.2	+ 2.5	73	19	49	8†	....	2.60	+ 2.22	2.00	0.0	2	27	0	3	sw.	Do.
Claremont	Los Angeles	1,200	18	74.3	+ 5.1	109	9	47	7	49	0.00	− 0.11	0.00	0.0	0	21	8	1	w.	F. P. Brackett.
Cloverdale	Sonoma	340	8	66.3	.....	100	10	41	14†	54	T.	.....	T.	0.0	0	28	2	0	n.	Lloyd Browne.
Colfax	Placer	2,421	39	65.6	− 3.9	88	3†	42	12	37	1.37	+ 0.84	1.12	0.0	2	23	0	7	e.	Southern Pacific Co.
Colusa	Colusa	60	7	62.2	.....	91	1†	43	13	38	0.47	− 0.12	0.47	0.0	1	.....	.....	.....	.....	W. K. De Jarnatt.
Corning	Tehama	277	24	75.7	+ 1.8	95	2†	60	15†	....	0.76	+ 0.55	0.76	0.0	1	24	3	3	n.	Southern Pacific Co.
Cuyamaca	San Diego	4,677	11	69.2	+10.2	92	10	48	26	32	0.33	− 0.13	0.33	0.0	1	20	9	1	e.	L. L. Macquarie.
Daunt	Tulare	4,000	3	66.8	.....	95s	10	44	18†	41	0.42	.....	0.32	0.0	2	19	4	7	.....	D. L. Wishon.
Davisville	Yolo	51	38	65.2	− 6.8	97	10	35	14	55	0.04	− 0.17	0.04	0.0	1	28	1	1	sw.	S. H. Beckett.
Deer Creek	Nevada	3,700	3	58.2	.....	83	5†	31	3†	51	2.72	.....	1.30	0.0	3	21	7	2	w.	Cal. Gas & Electric Co.
Delta	Shasta	1,138	25	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Southern Pacific Co.
Denair	Stanislaus	126	10	69.4	− 1.6	100	1	39	12	50	0.20	+ 0.04	0.20	0.0	1	27	1	2	.....	Santa Fe Co.
Dobbins	Yuba	1,650	6	70.4	.....	94	1†	46	13	38	1.75	.....	1.02	0.0	3	28	0	2	s.	Cal. Gas & Electric Co.
Dudleys	Mariposa	3,000	1	60.0	.....	89	1†	28	13	52	0.92	.....	0.47	0.0	3	22	3	5	n.	W. H. Dudley.
Dunnigan	Yolo	65	33	78.4	+ 3.8	96	23	55	28	....	0.32	− 0.04	0.32	0.0	1	28	0	2	n.	Southern Pacific Co.
Dunsmuir	Siskiyou	2,285	21	62.9	+ 2.4	88	23	40	13†	....	0.78	− 0.46	0.40	0.0	3	24	0	6	n.	Do.
Durham	Butte	160	15	70.3	+ 2.2	99	1†	41	13†	49	0.57	+ 0.06	0.57	0.0	2	23	4	3	s.	R. W. Durham
El Cajon	San Diego	482	11	72.7	+ 3.7	102	9	45	21†	51	0.15	+ 0.03	0.15	0.0	1	28	2	0	sw.	H. H. Kessler.
Electra	Amador	725	6	72.1	.....	100	1†	44	13	46	0.66	.....	0.38	0.0	2	25	3	2	.....	Cal. Gas & Electric Co.
Elsinore	Riverside	1,234	15	74.0	− 0.2	111	9	43	8	60	T.	− 0.08	T.	0.0	0	26	3	1	w.	W. H. Bohannon.
Emigrant Gap	Placer	5,230	36	56.2	− 2.8	81	5	29	12	37	2.60	+ 2.28	2.00	0.0	2	25	2	3	.....	Southern Pacific Co.
Escondido	San Diego	657	16	72.6	+ 3.6	103	10	41	21	51	0.00	− 0.02	0.00	0.0	0	7	23	0	w.	A. R. Moon.
Eureka	Humboldt	64	24	53.1	− 1.8	66	8	44	8	22	0.01	− 1.37	0.01	0.0	1	5	13	12	n.	U. S. Weather Bureau.
Farmington	San Joaquin	111	21	71.9	− 0.1	95	1	49	29	....	0.50	+ 0.29	0.42	0.0	2	28	1	1	nw.	Southern Pacific Co.
Folsom	Sacramento	252	38	70.4	− 2.4	100	10	44	13	48	0.82	+ 0.49	0.62	0.0	2	22	2	6	s.	F. O. Hutton.
Fordyce Dam	Nevada	6,500	15	53.8	.....	76	8	38	2†	37	4.12	+ 2.39	2.60	0.0	3	23	4	3	sw.	E. E. Roening.
Fouts Springs	Colusa	1,650	6	63.6	.....	93	1	35	13	51	0.70	.....	0.65	0.0	2	.....	.....	.....	.....	H. S. Green.
Fresno	Fresno	293	23	73.5	− 0.8	102	1	48	13‖	41	1.00	+ 0.81	1.00	0.0	2	24	4	2	nw.	U. S. Weather Bureau.
Fruto	Glenn	624	21	69.6	− 2.7	95	11	50	12†	....	0.15	− 0.25	0.15	0.0	1	26	0	4	s.	Southern Pacific Co.
Galt	Sacramento	49	32	64.2	− 7.8	88	1	50	14†	....	0.40	+ 0.14	0.20	0.0	2	26	4	0	w.	Do.
Georgetown	El Dorado	2,650	37	66.8	− 6.2	91	10	42	12	35	1.62	+ 0.92	1.17	0.0	2	25	0	5	.....	H. D. Jerrett.
Gilroy	Santa Clara	193	26	65.2	− 0.8	95	1†	50	5†	....	0.05	− 0.12	0.05	0.0	1	27	0	3	se.	Southern Pacific Co.
Gold Run	Placer	3,222	11	67.6	− 1.7	89	10	43	13	38	2.40	+ 1.50	1.25	0.0	2	23	2	5	.....	Do.
Gonzales	Monterey	127	11	58.3	− 2.8	95	9†	42	5	....	0.32	+ 0.17	0.27	0.0	2	28	0	2	n.	Do.
Grass Valley	Nevada	2,690	38	64.6	.....	88	1†	40	13	35	2.32	+ 1.48	1.24	0.0	3	26	2	2	sw.	F. R. Hull.
Greenville	Plumas	3,600	16	58.2	+ 1.5	89	4†	23	14	61	1.51	+ 0.26	1.12	0.0	2	23	6	1	sw.	C. H. Higbie.
Groveland	Tuolumne	2,828	1	66.0	.....	90	1†	37	13	39	0.87	.....	0.49	0.0	3	24	5	1	.....	H. S. Richardson.
Guinda	Yolo	350	12	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Southern Pacific Co.
Hanford	Kings	249	10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Santa Fe Co.
Healdsburg	Sonoma	110	17	64.5	+ 1.7	100	10	40	10†	60	0.00	− 0.86	0.00	0.0	0	11	0	19	s.	John Favour.
Hearst	Mendocino	1,800	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	H. D. Ellmaker.
Heber	Imperial	−20	4	87.0	.....	114	3†	56	28	48	0.28	.....	0.28	0.0	1	26	2	2	w.	E. T. Chumard.
Hollister	San Benito	284	36	62.2	− 3.4	96	9	40	1†	51	0.23	+ 0.11	0.16	0.0	2	24	4	2	w.	J. N. Thompson.
Hornbrook	Siskiyou	2,154	22	42.2	−22.8	80	1†	29	12†	....	0.00	− 0.22	0.00	0.0	0	31	0	0	.....	Southern Pacific Co.
Hot Springs	Tulare	3,200	3	67.7	.....	90	1†	47	13†	37	0.11	.....	0.08	0.0	2	24	0	6	.....	U. S. Forest Service.
Hullville (near)	Lake	2,250	3	65.2	.....	93	9	35	13	46	0.06	.....	0.06	0.0	1	10	16	4	w.	John Duggan.
Idyllwild	Riverside	5,250	9	65.0	.....	91	9	39	5	43	0.15	− 0.37	0.15	0.0	1	25	4	1	sw.	Earl Powers.
Independence	Inyo	3,907	14	69.7	+ 0.6	96	10	46	20	43	0.72	+ 0.65	0.61	0.0	2	23	6	1	nw.	U. S. Weather Bureau.
Indio	Riverside	−20	32	87.6	+ 1.1	116	9	62	24	42	0.00	− 0.11	0.00	0.0	0	25	4	1	se.	F. N. Johnson.
Inskip	Butte	4,975	3	58.6	.....	82	22	34	13	30	1.68	.....	1.68	0.0	1	18	9	3	.....	Cal. Gas & Electric Co.
Ione	Amador	287	32	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Southern Pacific Co.
Iowa Hill	Placer	2,825	29	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	C. F. Macy.
Jamestown	Tuolumne	1,471	7	69.8	.....	94	9	42	12	41	1.51	.....	0.77	0.0	3	27	1	2	.....	Sierra Ry. of California.
King City	Monterey	323	23	63.6	− 2.4	99	2†	33	12†	62	0.09	− 0.12	0.09	0.0	1	27	0	3	n.	Southern Pacific Co.
La Porte	Plumas	5,000	16	55.7	+ 2.4	79	9	31	13	37	2.66	+ 0.57	1.35	0.0	3	27	1	2	n.	C. W. Hendel.
Le Grand	Merced	255	10	70.6	− 1.2	102	1	43	13	50	0.30	− 0.12	0.30	0.0	1	28	2	0	.....	Santa Fe Co.
Lemon Cove	Tulare	600	15	78.4	+ 4.0	106	1	44	13	46	0.39	− 0.06	0.27	0.0	3	22	4	4	sw.	G. W. Sandidge.
Lick Observatory	Santa Clara	4,209	21	62.4	+ 0.5	81	1	40	12†	18	0.25	− 0.09	0.16	0.0	2	29	0	1	n.	The Director.
Livermore	Alameda	485	39	66.6	− 1.6	99	10†	45	1†	50	0.10	− 0.21	0.08	0.0	2	27	1	2	w.	E. G. Still.
Lodi	San Joaquin	45	28	66.0	− 3.7	92	10	40	13	43	0.46	0.00	0.18	0.0	3	28	0	2	w.	Ezra Fiske.

TABLE 1.—*Climatological data for September, 1910. District No. 11*—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, yrs.	Temperature, in degrees Fahrenheit. Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Precipitation, in inches. Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	Number of rainy days, .01 inch or more.	Sky. Number of clear days.	Number of partly cloudy days.	Number of cloudy days.	Prevailing wind direction.	Observers.
California—Cont'd.																				
Lone Pine	Inyo	2,728	5	68.4	.....	97	10	40	28	43	.....	.....	.....	0.0	2	21	9	0	s.	G. F. Marsh.
Long Valley	Lassen	4,400	1	60.8	.....	85	9	31	13	45	0.63	.....	0.51	0.0	2	13	8	9	sw.	A. G. Evans.
Los Angeles	Los Angeles	293	33	70.5	+ 4.9	98	10	54	8	32	0.01	− 0.07	0.01	0.0	1	19	9	2	sw.	U. S. Weather Bureau.
Los Banos	Merced	121	23	69.1	− 4.9	95	1	55	4†	....	0.25	+ 0.12	0.25	0.0	1	26	0	4	w.	Southern Pacific Co.
Los Gatos	Santa Clara	600	23	64.1	− 1.5	94	10	43	13	43	0.02	− 0.35	0.02	0.0	1	27	1	2	n.	F. H. McCullagh.
Lytle Creek	San Bernardino	2,900	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	W. E. Anderson.
Macdoel	Siskiyou	4,258	3	53.4	.....	85	26	20	12	48	0.42	.....	0.25	0.0	3	22	2	6	nw.	B. V. L. Co.
Madeline	Lassen	5,270	1	53.8	.....	81	1†	24	14	50	0.91	.....	0.50	0.0	3	18	8	4	w.	J. H. Williams.
Magalia	Butte	2,321	6	63.9	.....	92	9	35	12	44	1.85	.....	1.85	0.0	1	22	7	1	se.	Butte County R. R. Co.
Mammoth Tank	Imperial	257	32	93.0	+ 3.0	119	3	70	20	44	0.35	+ 0.30	0.35	0.0	1	24	1	5	w.	Southern Pacific Co.
Marysville	Yuba	67	39	68.4	− 6.4	95	1†	46	28	48	T.	− 0.29	T.	0.0	0	28	0	2	s.	Do.
Mecca	Riverside	−185	4	85.2	.....	109	11	62	7†	42	0.00	.....	0.00	0.0	0	26	3	1	e.	A. Lunsted.
Menlo Park	San Mateo	64	32	62.7	− 1.4	88	9	46	13	....	0.06	− 0.22	0.06	0.0	1	28	0	2	ne.	Southern Pacific Co.
Merced	Merced	173	36	70.2	− 3.5	92	1†	54	15	28	0.27	+ 0.09	0.27	0.0	1	28	0	2	nw.	Santa Fe Co.
Mill Creek (1)	Amador	.....	3	63.2	.....	86	10	38	12	40	1.61	.....	0.86	0.0	3	25	3	2	s.	Cal. Gas & Electric Co.
Milton (near)	Calaveras	660	19	70.0	− 1.5	96	1	47	2	36	0.34	− 0.08	0.19	0.0	3	29	1	0	nw.	J. H. Southwick.
Modesto	Stanislaus	90	38	78.4	+ 3.7	98	1†	61	4	....	0.30	+ 0.11	0.30	0.0	1	27	2	1	.....	Southern Pacific Co.
Mojave	Kern	2,751	33	74.6	+ 0.7	99	1	52	15†	43	0.00	− 0.07	0.00	0.0	0	21	0	9	.....	Do.
Mokelumne Hill	Calaveras	1,550	17	69.4	+ 3.6	93	1	44	13	32	0.57	+ 0.03	0.31	0.0	2	26	0	4	.....	C. E. Prindle.
Mono Ranch	Ventura	3,210	4	64.6	.....	94	9	41	8	43	4.35	.....	4.15	0.0	2	24	1	5	w.	H. Lathrop.
Montague	Siskiyou	2,450	22	56.8	−11.7	91	5	26	14	59	0.70	+ 0.48	0.60	0.0	2	21	0	9	n.	G. H. Chambers.
Monterey	Monterey	15	45	58.4	− 3.1	70	11†	50	19†	....	0.14	− 0.04	0.14	0.0	1	27	1	2	se.	Southern Pacific Co.
Monterio	Kern	4,500	11	80.4	+10.4	96	4	64	30	28	0.00	− 0.21	0.00	0.0	0	24	6	0	nw.	John C. Knecht.
Monumental	Del Norte	.....	5	60.0	.....	86	23	33	7	40	0.58	.....	0.26	0.0	5	26	1	3	.....	G. F. Morgan.
Mount Tamalpais	Marin	2,375	11	65.0	− 1.1	85	30	43	19	29	0.17	− 0.35	0.17	0.0	2	25	4	1	nw.	U. S. Weather Bureau.
Napa City	Napa	20	33	60.6	− 3.0	93	30	38	13	47	0.13	− 0.43	0.13	0.0	1	14	1	15	s.	Thomas Hull.
Napa (S. H.)	...do	60	22	63.0	− 0.6	92	9	43	13	44	0.13	− 0.44	0.13	0.0	1	26	2	2	sw.	W. H. Martin.
Needles	San Bernardino	477	18	84.8	+ 0.1	110	11	40	21	55	T.	− 0.14	T.	0.0	0	27	2	1	.....	Santa Fe Co.
Nellie	San Diego	5,350	1	78.9	.....	88	1†	38	28	41	0.44	.....	0.44	0.0	1	.....	.....	.....	.....	C. J. Bailey.
Nevada City	Nevada	2,580	18	63.4	+ 2.8	96	2†	33	13	54	1.93	+ 1.20	1.02	0.0	3	23	0	7	sw.	S. W. Marsh.
Newcastle	Placer	970	17	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	George D. Kellog.
Newhall	Los Angeles	1,200	33	72.3	+ 0.8	112	9	58	7†	....	0.00	− 0.06	0.00	0.0	0	28	0	2	se.	Southern Pacific Co.
Newman	Stanislaus	91	21	72.8	− 1.4	96	3†	52	25†	42	0.52	+ 0.26	0.47	0.0	2	29	0	1	n.	E. S. Wangenheim.
Nimshew	Butte	2,500	6	64.2	.....	90	5	36	13	40	1.10	.....	1.10	0.0	1	26	1	3	s.	Cal. Gas & Electric Co.
North Bloomfield	Nevada	3,200	13	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	W. G. Shand.
North Fork	Madera	3,000	6	67.5	.....	97	11	39	15	46	1.70	.....	0.80	0.0	3	24	2	4	nw.	G. H. Shinn.
Oakdale	Stanislaus	156	16	71.2	− 0.2	96	26	52	13†	....	0.29	+ 0.15	0.20	0.0	2	27	1	2	nw.	Southern Pacific Co.
Oakland	Alameda	36	34	59.3	− 1.9	79	9	48	1	28	0.06	− 0.32	0.03	0.0	2	14	11	5	w.	Chabot Observatory.
Oceanside	San Diego	.....	.....	70.1	.....	86	14	54	20†	23	0.05	.....	0.05	0.0	1	6	18	6	w.	H. D. Brodie.
Ojai Valley	Ventura	900	4	70.5	.....	109	9	37	8	61	4.18	.....	4.10	0.0	6	20	10	0	sw.	W. H. Duncan.
Orland	Glenn	254	28	71.4	− 5.3	99	9	49	11†	43	0.69	+ 0.34	0.46	0.0	2	25	4	1	se.	W. W. Patch.
Orleans	Humboldt	520	7	71.5	.....	104	1	43	15	53	0.28	.....	0.25	0.0	2	25	0	5	.....	Fred T. Hale.
Oroville (near)	Butte	250	26	70.4	− 3.4	96	9†	45	13	41	0.08	− 0.60	0.08	0.0	1	23	2	4	s.	E. D. Fairchild.
Palermo	...do	213	19	69.5	− 0.5	99	9	42	13	52	0.10	− 0.70	0.10	0.0	1	23	7	0	s.	Miss Hettie Boalt.
Palm Springs	Riverside	584	21	87.2	+ 2.0	110	9	76	12†	....	T.	− 0.05	T.	0.0	0	27	2	1	w.	Southern Pacific Co.
Pasadena	Los Angeles	827	20	71.9	+ 2.3	104	9	45	8	50	0.05	− 0.10	0.02	0.0	4	28	2	0	sw.	E. R. Sorver.
Paso Robles	San Luis Obispo	800	23	66.2	− 0.7	105	11	35	8	59	0.63	+ 0.46	0.60	0.0	2	24	4	2	nw.	Dr. F. W. Sawyer.
Peachland	Sonoma	190	14	60.6	− 2.6	95	10†	36	12	55	0.02	− 0.34	0.02	0.0	1	18	12	0	sw.	E. H. Parnell.
Penstock Camp	Tuolumne	3,750	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Tuolumne W. P. Co.
Placerville	El Dorado	1,875	21	65.8	+ 3.0	93	23	38	13	46	0.99	+ 0.37	0.81	0.0	2	24	4	2	sw.	A. Baring Gould.
Point Lobos	San Francisco	250	17	56.3	− 1.3	78	30	47	16†	25	0.07	− 0.50	0.07	0.0	1	4	9	17	w.	John Hyslop.
Point Reyes	Marin	490	18	51.6	− 4.5	64	30	45	14	17	0.04	− 0.88	0.03	0.0	3	7	4	19	nw.	U. S. Weather Bureau.
Porterville	Tulare	464	21	74.6	− 1.7	106	1	47	13	45	0.14	− 0.07	0.07	0.0	4	24	4	2	.....	Harry E. Cowie.
Quincy	Plumas	3,400	15	56.4	− 0.6	86	4†	20	1	62	2.00	+ 0.67	1.50	0.0	2	27	0	3	sw.	D. N. Rogers.
Red Bluff	Tehama	307	33	71.0	− 2.9	96	9	49	13	39	0.41	− 0.26	0.37	0.0	3	24	4	2	se.	U. S. Weather Bureau.
Redding	Shasta	552	35	71.8	− 2.2	93	2	50	13†	37	0.05	− 0.62	0.03	0.0	2	22	8	0	n.	L. F. Bassett.
Redlands	San Bernardino	1,352	17	74.2	+ 2.1	106	9	47	26	53	0.20	− 0.17	0.20	0.0	1	24	4	2	w.	Paul W. Moore.
Reedley	Fresno	347	10	71.8	− 0.3	103	1	42	15	49	1.04	+ 0.15	0.76	0.0	2	26	0	4	n.	Santa Fe Co.
Rialto (near)	San Bernardino	2,250	4	74.6	.....	104	9	53	7	38	0.01	.....	0.01	0.0	1	28	1	1	se.	So. California Edison Co.
Riverside	Riverside	851	28	74.2	+ 2.1	110	9	45	21	58	0.00	− 0.13	0.00	0.0	0	26	4	0	w.	C. W. Barton.
Rocklin	Placer	249	39	70.8	− 1.9	95	9†	47	14	47	0.99	+ 0.81	0.52	0.0	2	27	0	3	se.	Southern Pacific Co.
Rohnerville	Humboldt	75	7	55.4	.....	75	19	38	5†	30	T.	.....	T.	0.0	0	25	3	2	n.	Dr. R. Callahan.
Sacramento (1)	Sacramento	71	33	67.2	− 1.9	93	1	45	13	39	0.20	− 0.16	0.18	0.0	2	28	0	2	s.	U. S. Weather Bureau.
Sacramento (2)	...do	35	57	65.0	− 4.5	88	1†	43	13	39	0.35	+ 0.21	0.16	0.0	3	28	0	2	s.	S. H. Gerrish.
St. Helena	Napa	255	2	62.1	.....	97	8	38	11	52	0.10	.....	0.08	0.0	2	28	0	2	.....	B. F. Kettlewell.
Salinas	Monterey	40	36	58.8	− 2.3	87	30	40	14	42	0.12	− 0.06	0.12	0.0	1	25	4	1	w.	Miss E. Ruth Abbott.
San Bernardino	San Bernardino	1,054	18	73.9	+ 3.4	111	9	44	8	61	0.36	+ 0.24	0.36	0.0	1	20	10	0	sw.	Dr. A. K. Johnson.
San Diego	San Diego	93	39	67.8	+ 0.9	86	10	56	21	22	0.17	+ 0.11	0.17	0.0	1	23	6	2	nw.	U. S. Weather Bureau.
San Francisco	San Francisco	207	39	57.6	− 1.7	82	30	48	1	31	0.05	− 0.22	0.04	0.0	2	12	10	8	w.	Do.
San Jacinto	Riverside	1,550	17	75.2	+ 4.6	108	9	45	28	55	0.00	− 0.14	0.00	0.0	0	20	9	1	.....	E. T. Tanner.
San Jose	Santa Clara	95	35	62.0	− 2.7	90	10	40	13	46	0.09	− 0.11	0.09	0.0	2	21	7	2	nw.	U. S. Weather Bureau.
San Leandro	Alameda	48	15	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	E. B. Sanford.
San Luis Obispo	San Luis Obispo	201	15	63.8	+ 2.3	99	10	42	13	45	0.41	+ 0.29	0.41	0.0	2	16	9	5	nw.	U. S. Weather Bureau.
San Mateo	San Mateo	22	36	63.8	+ 0.1	84	9†	52	13†	....	0.05	− 0.26	0.05	0.0	1	28	0	2	nw.	Southern Pacific Co.
San Miguel	San Luis Obispo	616	23	72.4	+ 3.8	98	1	48	29	....	0.45	+ 0.29	0.45	0.0	1	21	6	3	.....	Do.
San Miguel Island	Santa Barbara	500	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Capt. W. G. Waters.
Sanger	Fresno	371	21	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Southern Pacific Co.
Santa Barbara	Santa Barbara	130	26	65.2	− 0.5	95	9	50	9	45	2.56	+ 2.34	2.36	0.0	3	13	13	4	e.	George W. Russell.
Santa Clara	Santa Clara	90	21	62.3	− 0.3	93	10	38	13	53	0.02	− 0.22	0.02	0.0	1	28	0	2	nw.	Santa Clara College.
Santa Cruz	Santa Cruz	20	37	59.8	− 3.3	91	30	40	13	49	0.04	− 0.48	0.02	0.0	2	23	0	7	w.	W. R. Springer.
Santa Magarita	San Luis Obispo	996	21	73.3	+ 7.4	96	10	53	7	...	0.65	+ 0.31	0.65	0.0	1	13	12	5	sw.	Southern Pacific Co.
Santa Maria	Santa Barbara	220	22	65.6	+ 1.6	85	12	48	29	28	0.65	+ 0.45	0.55	0.0	2	15	7	8	w.	L. E. Blochman.
Santa Monica	Los Angeles	110	25	60.8	− 7.0	88	30	50	17†	30	T.	− 0.12	T.	0.0	0	20	1	9	w.	N. D. Ingham.
Santa Rosa	Sonoma	181	21	61.8	− 2.4	93	9†	37	14	53	0.01	− 0.39	0.01	0.0	1	24	5	1	sw.	M. L. McDonald, jr.
Selma	Fresno	311	24	75.4	− 2.0	93	8	57	30	....	1.50	+ 1.31	1.47	0.0	2	24	6	0	nw.	Southern Pacific. Co
Shasta	Shasta	1,049	14	71.8	− 3.4	101	28	40	13†	55	T.	− 1.16	T.	0.0	0	29	1	0	nw.	Dr. T. J. Edgecomb.
Sierra Madre	Los Angeles	1,400	13	72.1	+ 2.1	101	9	50	8	41	T.	− 0.41	T.	0.0	0	25	2	3	s.	Mrs. A. C. Gregory.
Sierraville	Sierra	5,000	....	55.8	.....	88	9	26	9†	62	0.90	.....	0.70	0.0	2	23	6	1	sw.	C. D. Johnson.
Sisson	Siskiyou	3,555	21	55.2	− 3.0	85	25	29	13	45	0.55	− 0.30	0.32	0.0	4	22	0	8	n.	Southern Pacific Co.
Soledad	Monterey	188	36	71.8	+ 6.9	85	8†	59	24	....	0.25	+ 0.17	0.15	0.0	2	25	2	3	n.	Do.
Southeast Farallon	San Francisco	30	7	52.5	.....	59	20	47	14	6	0.01	.....	0.01	0.0	1	9	3	18	nw.	U. S. Weather Bureau.
Sonora	Tuolumne	1,825	22	67.6[8]	.....	91	9	48	19†	36	1.05	+ 0.32	0.50	0.0	3	.....	.....	.....	.....	Charles P. Jones.
Stirling City	Butte	3,525	6	64.4	.....	87	25	44	19	37	1.35	.....	1.25	0.0	2	16	12	2	se.	Butte County R. R. Co.
Stockton (S. H.)	San Joaquin	23	39	66.8	− 2.2	92	10	45	13	36	0.40	+ 0.26	0.24	0.0	2	27	1	2	nw.	State Hospital.
Storey	Madera	296	10	71.0	− 0.3	100	1†	43	13	49	0.75	+ 0.66	0.75	0.0	1	28	0	2	nw.	Santa Fe Co.
Suisun	Solano	20	30	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Southern Pacific Co.
Summerdale	Mariposa	5,270	14	.....	.....	.....	.....	.....	.....	.....	2.34	+ 0.99	1.27	0.0	2	.....	.....	.....	.....	J. H. Lowry.

TABLE 1.—*Climatological data for September, 1910. District No. 11*—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, yrs.	Temperature, in degrees Fahrenheit. Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Precipitation, in inches. Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	Number of rainy days, .01 inch or more.	Sky. Number of clear days.	Number of partly cloudy days.	Number of cloudy days.	Prevailing wind direction.	Observers.
California—Cont'd.																				
Summit	Placer	7,017	37	57.8	+ 4.1	86	28	32	21	48	2.82	+ 2.60	2.03	0.0	3	27	0	3	w.	Southern Pacific Co.
Susanville	Lassen	4,175	21	59.7	− 1.9	86	9	32	13	46	1.06	+ 0.32	0.75	0.0	2	21	8	1	w.	James Branham.
Tamarack	Alpine	8,000	4	49.3	.....	74	5	28	13	37	2.80	.....	1.60	0.0	3	19	6	5	sw.	William Bennett.
Tehachapi	Kern	3,964	33	69.2	+ 3.1	88	9	58	30	....	0.75	+ 0.66	0.75	0.0	1	.....	.....	.....	.....	Southern Pacific Co.
Tehama	Tehama	220	39	73.0	− 1.3	93	8	52	30	....	0.40	+ 0.14	0.40	0.0	1	28	0	2	s.	Do.
Three Rivers	Tulare	870	....	71.8	.....	101	1	40	13	47	0.34	.....	0.22	0.0	2	21	6	3	sw.	E. D. Barton.
Towle	Placer	3,704	24	61.6	− 2.3	87	5†	37	13	42	2.14	+ 1.11	1.77	0.0	2	23	3	4	s.	Southern Pacific Co.
Tracy	San Joaquin	64	30	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Do.
Ukiah	Mendocino	620	17	65.8	+ 6.1	98	1	35	16	55	T.	− 0.57	T.	0.0	0	22	5	3	nw.	Dr. George McGowen.
Upland	San Bernardino	1,750	13	71.4	+ 1.7	105	9	44	28	48	T.	− 0.26	T.	0.0	0	22	6	2	w.	A. P. Harwood.
Upper Lake	Lake	1,350	25	65.5	− 1.6	94	9	37	13	45	T.	− 0.41	T.	0.0	0	25	4	1	nw.	C. M. Hammond.
Vacaville	Solano	175	22	67.3	− 3.9	98	9	28	13	50	0.05	− 0.25	0.04	0.0	2	27	2	1	sw.	G. O. Coburn.
Valley Springs	Calveras	673	21	69.9	− 2.1	96	2	54	12	....	0.40	− 0.01	0.30	0.0	2	24	4	2	nw.	Southern Pacific Co.
Visalia	Tulare	334	22	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Santa Fe Co.
Warner Springs	San Diego	3,165	2	70.2	.....	99	9	45	28	42	0.73	.....	0.73	0.0	1	29	1	0	.....	Mrs. E. F. Sanford.
Wasco	Kern	336	10	73.9	+ 0.6	99	3†	49	15	40	0.85	+ 0.54	0.85	0.0	1	27	0	3	.....	Santa Fe Co.
Watsonville	Santa Cruz	23	14	57.4	− 2.9	86	9	34	13	46	0.21	+ 0.05	0.11	0.0	2	9	15	6	se.	Spreckels Sugar Co.
Westley	Stanislaus	90	21	72.8	− 1.1	95	9	52	13	....	0.23	0.00	0.23	0.0	1	28	0	2	.....	Southern Pacific Co.
Wheatland	Yuba	84	23	67.7	− 2.6	92	9	42	13	42	0.25	− 0.26	0.20	0.0	2	25	3	2	s.	Wm. Lumbard.
Willows	Glenn	136	31	68.8	− 6.8	93	10†	44	13	41	0.48	+ 0.27	0.48	0.0	1	27	1	2	s.	M. T. Harrington, jr.
Yosemite	Mariposa	3,945	6	60.2	.....	94	1	29	13	51	1.90	.....	1.12	0.0	2	21	7	2	sw.	C. W. Tucker.

[a], [b], [c], etc., indicate, respectively, 1, 2, 3, etc., days missing from the record.
* Precipitation included in that of the next measurement.
** Temperature extremes are from observed readings of the dry bulb; means are computed from observed readings.
† Also on other dates.
‡ Separate dates of falls not recorded.
§ Data are from standard instruments not supplied by the U. S. Weather Bureau.
§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.
‖ Estimated by observer.
‖‖ Precipitation for the 24 hours ending on the morning when it is measured.
T. Precipitation is less than 0.01 inch rain or melted snow.

TABLE 2.—*Daily precipitation for September, 1910. District No. 11, California.*

Stations.	River basins.	Day of month.																																	Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Oregon.																																			
Klamath Agency	Klamath													.02		.02		.15																	0.19
Klamath Falls	do												.21				.36	.02	.04																0.63
Lakeview	Pitt																																		
Long Valley	do															.31	.10		.20	.34	.09	.01													1.05
Merrill	Interior Drainage																		.30	.01															0.31
Yonna	do																																		
California.																																			
Aguanga	Coast													.13																					0.13
Alameda	do														T.																				T.
Alturas	Sacramento															.83	.75		.03	.06	.24														1.91
Anderson	do																																		
Angles Camp	San Joaquin															.85																			0.85
Angiola	do														.88																				0.88
Antioch	do																																		
Aptos	Coast														.08	.07																			0.15
Arrowhead Springs	do														.50																				0.50
Auburn	Sacramento															.46	.63																		1.09
Avalon	Ocean														T.	.13																			0.13
Azusa	Coast																																		0.00
Bagdad	Desert																																		0.00
Bakersfield	San Joaquin																																		0.00
Barstow	Desert																																		0.00
Bear River	San Joaquin																																		
Bear Valley (1)	Sacramento														.42	1.86																			2.28
Bear Valley (2)	San Joaquin														.06																				0.06
Bear Valley Dam	Coast																																		0.00
Ben Lomond	do														.12	.10																			0.22
Berkeley	do														.06	T.																			0.06
Big Bar	Sacramento																																		
Biggs	do															.25																			0.25
Bishop	Owens																																		
Bishop Creek	do												.25																						0.25
Blocksburg	Coast																		T.	T.	T.														T.
Blue Canyon	Sacramento													.40	1.80	T.																			2.20
Blythe	Desert												.74	.20	.02				T.																0.96
Boulder Creek	Coast														T.	T.																			T.
Bowmans Dam	Sacramento																																		
Branscomb	Coast												.06						T.																0.06
Brawley	Desert																																		
Brush Creek	Sacramento															.80																			0.80
Burney	do																																		
Butte Creek House	do																																		
Butte Valley	do															.59	.42																		1.01
Calexico	Desert																																		
Caliente	San Joaquin																																		0.00
Calistoga	Coast														.02	.08																			0.10
Campbell	do														T.	T.																			T.
Campo	do														1.94																				1.94
Camptonville (near)	Sacramento														.13	1.46	1.55																		3.14
Cedarville	Mountain Lakes															.31	.37	T.		T.	.09	T.													0.77
Chester	Sacramento															.70	.03		.07	.02	.01														0.83
Chico	do															.71																			0.71
Chico (near)	do															.75																			0.75
China Flat	Coast												T.						T.	T.															T.
Chino	do																														T.				T.
Cisco	Sacramento																																		
Claremont	Coast																																		0.00
Clear Lake	Klamath																																		
Cloverdale	Coast															T.																			T.
Colfax	Sacramento															.25	1.12																		1.37
Colgate	do															.35	1.33																		1.68
Colusa	do															.47																			0.47
Corning	do															.76																			0.76
Corona	Coast																																		
Crockers	San Joaquin																																		
Cuyamaca (1)	Coast													.33																	T.				0.33
Daunt	San Joaquin		T.											T.	.32	.10	T.																		0.42
Davisville	Sacramento															.04																			0.04
Deer Creek	do														.26	1.39	1.07		T.																2.72
Delta	do																																		
Denair	San Joaquin															.20																			0.20
Descanso	Coast													.10	.26																				0.36
Dinuba	San Joaquin													.20	.60																				0.80
Dobbins	Sacramento														.08	1.02	.65																		1.75
Dorris	Klamath																																		
Downieville	Sacramento														.28	.92	1.28																		2.48
Dudleys	San Joaquin														.39	.47	.06																		0.92
Dunnigan	Sacramento															T.	.32																		0.32
Dunsmuir	do																		.34	.40	.04														0.78
Durham	do															.57																			0.57
Dyerville	Coast																																		0.00
Edgewood	Klamath																																		
Edison	San Joaquin														T.																				T.
El Cajon	Coast														.15																				0.15
Electra	San Joaquin														T.	.38	.28																		0.66
Elsinore	Coast																														T.				T.
Emigrant Gap	Sacramento														.60	2.00																			2.60
Escondido	Coast																																		0.00
Eureka	do												.01																						0.01
Fairmont	do														.03																T.				0.03
Farmington	San Joaquin															.42	.08																		0.50
Felton	Coast														.04	.11																			0.15
Firebaugh	San Joaquin															.79																			0.79
Folsom	Sacramento															.20	.62																		0.82
Fordyce Dam	do														.12	1.40	2.60																		4.12
Fort Bragg	Coast													T.																					T.
Fort Ross	do																																		0.00
Fouts Springs	Sacramento												.65							.05															0.70
Fredalba	Coast															T.															.02				0.02
Fresno	San Joaquin		T.											T.	.27	.73	T.																		1.00
Fruto	Sacramento															T.	.15																		0.15
Galt	San Joaquin															.20	.20																		0.40
Georgetown	do															.45	1.17																		1.62
Gilroy	Coast																.05																		0.05

TABLE 2.—*Daily precipitation for September, 1910. District No. 11*—Continued.

Stations.	River basins.	Day of month.																																Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
California—Cont'd.																																		
Gilta	Coast												.01							.02	.46													0.49
Glendora	...do																																	.....
Glen Ranch	...do															T.																		T.
Glennville	San Joaquin													T.	.14																			0.14
Glenwood	Coast														.09	.06																		0.15
Gold Run	Sacramento															1.15	1.25																	2.40
Gonzales	Coast															.27	.05																	0.32
Grass Valley	Sacramento														.17	.91	1.24																	2.32
Greenville	...do															.39	1.12																	1.51
Gridley	...do															.20	.04																	0.24
Groveland	San Joaquin														.26	.49	.12																	0.87
Guinda	Sacramento																																	.....
Hanford	San Joaquin																																	.....
Head Dam	Sacramento														.11	1.26	1.26																	2.63
Healdsburg	Coast																																	0.00
Hearst	...do																																	.....
Heber	Desert												.28																		T.			0.28
Helen Mine	Coast														.12																			0.12
Hesperia	Desert																																	0.00
Holcomb	Coast														T.																			T.
Hollister	...do															.07	.16																	0.23
Hornbrook	...do																																	0.00
Hot Springs	San Joaquin			T.											.08		.03																	0.11
Hullville	Coast																		.06		T.													0.06
Idyllwild	...do													.15																				0.15
Independence	Owens		T.												.11	.61																		0.72
Indio	Desert																																	0.00
Inskip	Sacramento															1.68			T.		T.													1.68
Ione	San Joaquin																																	.....
Iowa Hill	Sacramento																																	.....
Isabella	San Joaquin																																	.....
Jacksonville	...do																																	.....
Jamestown	...do														.77	.56	.18																	1.51
Jenny Lind	...do																																	0.00
Johnsville	Mountain Lakes																																	.....
Jolon	Coast		T.													.12	.04																	0.16
Julian	...do																																	0.00
Kennedy Mine	San Joaquin																																	‡0.53
Kennett	Sacramento															T.			T.		T.													T.
Kentfield	Coast															.70																		0.70
Kernville	San Joaquin														.05	.10																		0.15
King City	Coast															.09																		0.09
Knights Landing	Sacramento															T.	.10																	0.10
Knob	...do									T.	T.														T.									T.
La Grange	San Joaquin														.10	.32																		0.42
Lake Eleanor	...do														1.00	.86	.19																	2.05
Lakeside	Coast																																	.....
La Porte	Sacramento														.22	1.09	1.35																	2.66
Lathrop	San Joaquin															.15	.08																	0.23
Laurel	Coast															.11	.08																	0.19
Laytonville	...do																																	0.00
Le Grand	San Joaquin														T.	.30																		0.30
Lemon Cove	...do													.07	.05	.27																		0.39
Letter Box	Sacramento														T.	T.																		T.
Lick Observatory	Coast																.25																	0.25
Livermore	...do														.08	.02																		0.10
Lodi	San Joaquin														.11	.17	.18																	0.46
Lone Pine	Owens																																	.....
Long Camp	San Joaquin													.30				1.30																1.60
Long Valley	Mountain Lakes														T.	.12	.51																	0.63
Lordsburg	Coast																																	0.00
Los Alamos	...do														.14	.70																		0.84
Los Angeles	...do													T.		T.															.01			0.01
Los Banos	San Joaquin														.25	T.																		0.25
Los Burros Mine	Coast																																	.....
Los Gatos	...do														.02	T.																		0.02
Los Vaqueros	...do																																	.....
Lowe Observatory	...do																																	0.00
Lytle Creek	...do																																	.....
McCloud	Sacramento																		.60		.04	.02												0.66
Macdoel	Klamath																		.25	.13		.04												0.42
Madeline	Mountain Lakes															.34	.50	T.		T.	.07	T.												0.91
Magalia	Sacramento												T.			1.85																		1.85
Mammoth Tank	Desert												.35																					0.35
Mariposa	San Joaquin														.30	.65	.03																	0.98
Marysville	Sacramento															T.																		T
Mecca	Desert																																	0.00
Melones	San Joaquin														.12	.34	.24																	0.70
Menlo Park	Coast															.06																		0.06
Merced	San Joaquin											.27																						0.27
Merced Falls	...do														T.	.30	.09																	0.39
Mesa Granda	Coast													.03	.39																			0.42
Mill Creek (1)	San Joaquin														.19	.56	.86																	1.61
Mill Creek (2)	Coast													T.	.05																			0.05
Mills College	...do														.06																			0.06
Milo	San Joaquin														.30	.09																		0.39
Milton (near)	...do														.19	.10	.05																	0.34
Modesto	...do															.30	T.																	0.30
Mojave	Desert																																	0.00
Mokelumne Hill	San Joaquin															.26	.31																	0.57
Mono Ranch	Coast													T.	.20	4.15																		4.35
Montague	Klamath																		.60		.10													0.70
Monterey	Coast															T.	.14																	0.14
Monterio	San Joaquin																																	0.00
Montgomery Creek	Sacramento															1.05	.17																	1.22
Monumental	Coast											T.	.26							.05	.10	.02									.15			0.58
Morena Dam	...do																																	.....
Mount Tamalpais	...do														.03	.14																		0.17
Mount St. Helena	...do															T.																		T.
Napa City	...do															.13																		0.13
Napa (S. H.)	...do															.13																		0.13
Needles	Desert														T.																			T.
Nellie	Coast													.44																				0.44
Nevada City	Sacramento														.17	.74	1.02		T.															1.93

TABLE 2.—*Daily precipitation for September, 1910. District No. 11*—Continued.

Stations.	River basins.	Day of month.																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
California—Cont'd.																																	
Newcastle	Sacramento																																
Newhall	Coast																																0.00
Newman	San Joaquin															.47	.05																0.52
Nimshew	Sacramento												T.			1.10																	1.10
North Bloomfield	...do																																
North Fork	San Joaquin		.20											.80	.70																		1.70
North Lakeport	Coast																																
Oakdale	San Joaquin														T.	.20	.09																0.29
Oak Grove	Coast													.23	.11																		0.34
Oakland	...do														.03	.03																	0.06
Oakville	...do															.10	.02																0.12
Oceanside	...do												T.																		.05		0.05
Ojai Valley	...do			T.										T.		4.10										.01	.03	.02	.01	.01			4.18
Orland	Sacramento														.46	.23																	0.69
Orleans	Klamath												.03								.25												0.28
Oroville	Sacramento														.08	T.																	0.08
Ozena	Coast														2.20	2.30																	4.50
Palermo	Sacramento															.10																	0.10
Palm Springs	Desert													T.																			T.
Parkfield	Coast														.31	.49																	0.80
Pasadena	...do															.02											.01	.01			.01		0.05
Paso Robles	...do															.60	.03																0.63
Peachland	...do															.02																	0.02
Penstock Camp	San Joaquin																																
Peyton	Sacramento																																
Phoenix Dam	San Joaquin														.51	.24	.13																0.88
Pilot Creek	Sacramento																																
Pine Crest	Coast		T.												.01	2.54																	2.55
Pittville	Sacramento																																
Placerville	...do															.18	.81																0.99
Point Lobos	Coast															.07																	0.07
Point Loma	...do				.01	.01							T.					.01	.01	T.	.01	.02									.01		0.08
Point Reyes	...do																			.01								.01	.02				0.04
Polasky	San Joaquin																																
Porterville	...do		.01											.07	.03	.03																	0.14
Priest Valley	Coast															.35																	0.35
Quincy	Sacramento														.50	1.50																	2.00
Red Bluff	...do												T.			.37	.02		T.	.02	T.												0.41
Redding	...do															.02	T.		T.	.03	T.												0.05
Redlands	Coast													T.		.20															T.		0.20
Reedley	San Joaquin													.28	.76																		1.04
Represa	Sacramento														.13	.61																	0.74
Rialto (near)	Coast														.01																T.		0.01
Rio Vista	Sacramento															.26																	0.26
Riverside	Coast																																
Rocklin	Sacramento															.52	.47																0.99
Rohnerville	Coast												T.																				T.
Sacramento (1)	Sacramento														.09	.11																	0.20
Sacramento (2)	...do														.16	.15	.04																0.35
Saint Helena	Coast														.08	.02																	0.10
Salinas	...do																.12																0.12
San Bernardino	...do														.36																		0.36
San Diego	...do																														.17		0.17
San Francisco	...do														T.	.04													.01				0.05
San Jacinto	...do																																0.00
San Jose	...do														.07	.02																	0.09
San Leandro	...do																																‡0.02
San Luis Obispo	...do		T.												.13	.28																	0.41
San Mateo	...do															.05																	0.05
San Miguel	...do															.45																	0.45
San Miguel Island	Ocean																																
Sanger	San Joaquin																																
Santa Ana River	Coast													T.	.05																T.		0.05
Santa Barbara	...do		T.												.01	2.36	.19	T.					T.		T.	T.							2.50
Santa Clara	...do														.02	T.																	0.02
Santa Cruz	...do														.02	.02																	0.04
Santa Margarita	...do													T.		.65																	0.65
Santa Maria	...do														.10	.55																	0.65
Santa Monica	...do												T.			T.															T.		T.
Santa Rosa	...do															.01																	0.01
Sausalito	...do															.24																	0.24
Selma	San Joaquin		T.												.03	1.47																	1.50
Seven Oaks	Coast																																0.00
Shasta	Sacramento											T.																					T.
Shingle Springs	San Joaquin																																
Sierra Madre	Coast													T.																			T.
Sierraville	Mountain Lakes															.20	.70																0.90
Sisquoc Ranch	Coast													.14	.95																		1.09
Sisson	Sacramento																		.16	.32	.02	.05											0.55
Soledad	Coast													.10	.15																		0.25
Sonora	San Joaquin														.50	.34	.21																1.05
Southeast Farallon	Ocean																												.01				0.01
Spreckeles	Coast																.13																0.13
Squirrel Inn	...do														T.																		T.
Stirling City	Sacramento															.10	1.25																1.35
Stockton (S. H.)	San Joaquin														T.	.16	.24																0.40
Story	...do															.75																	0.75
Suisun	Sacramento																																
Summerdale	San Joaquin														1.07	1.27																	2.34
Summit (1)	Sacramento														.22	.57	2.03																2.82
Summit (2)	Coast																																0.00
Surrey	...do													T.																	T.		T.
Susanville	Mountain Lakes															.31	.75																1.06
Tamarack	Sacramento														1.60	.90	.30																2.80
Tehachapi	San Joaquin														.75																		0.75
Tehama	Sacramento														.40																		0.40
Three Rivers	San Joaquin													T.	.22	.12																	0.34
Towle	Sacramento															.37	1.77																2.14
Tracy	San Joaquin																																
Tulare	...do													T.	T.	1.00																	1.00
Tustin (near)	Coast																																0.00
Ukiah	...do																		T.	T.													T.
Upland	...do													T.	T.																T.		T.
Upper Lake	...do														T.				T.														T.

TABLE 2.—*Daily precipitation for September, 1910. District No. 11*—Continued.

Stations	River basins.	Day of month.																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
California—Cont'd.																																	
Upper Matole	Coast												.01						.02	T.													0.03
Vacaville	Sacramento														.04	.01																	0.05
Valley Springs	San Joaquin															.30	.10																0.40
Ventura	Coast																																
Visalia	San Joaquin																																
Warner Springs	Coast													.73																			0.73
Wasco	San Joaquin															.85																	0.85
Watsonville	Coast														.11	.10																	0.21
Weaverville	Sacramento																																
Weitchpec	Klamath																				.19												0.19
West Branch	Sacramento															1.05	.05				T.												1.10
Westley	San Joaquin																.23																0.23
West Point	do															.53	1.11		T.														1.64
West Saticoy	Coast														2.25	1.30																	3.55
Wheatland	Sacramento														.05	.20	T.																0.25
Willows	do														.48																		0.48
Woodleaf	do														.16	.80	.35																1.31
Yosemite	San Joaquin														.78	1.12																	1.90
Yuciapi	Coast																																

TABLE 3.—*Maximum and minimum temperatures at selected stations, September, 1910. District No. 11, California.*

Date.	Lakeview, Oreg.		California.																									
			Alturas.		Barstow.		Branscomb.		Brawley.		Colusa.		Eureka.		Fresno.		Independence.		Los Angeles.		Mount Tamalpais.		Nevada City.		Porterville.		Red Bluff.	
	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	.....	.....	84	35	106	70	87	50	109	81	91	56	59	51	102	61	92	55	91	64	84	69	93	43	106	59	92	61
2	.....	.....	84	41	105	65	84	47	108	81	87	55	57	49	91	65	81	57	84	62	73	44	96	42	97	64	91	62
3	.....	.....	83	35	101	65	75	44	102	73	88	51	53	50	89	55	86	49	76	60	67	44	85	43	94	64	87	54
4	.....	.....	81	34	101	60	74	43	102	69	89	55	58	50	93	57	88	53	74	58	78	59	96	44	95	53	91	57
5	.....	.....	87	27	103	60	73	40	104	66	90	56	58	47	98	60	90	61	70	57	80	65	92	44	100	57	92	56
6	.....	.....	81	36	103	60	76	42	104	65	87	54	58	48	97	59	90	54	68	57	68	55	95	45	100	58	83	59
7	.....	.....	78	30	105	55	74	41	103	63	81	51	57	48	94	58	92	49	75	56	69	56	88	44	97	59	82	55
8	.....	.....	81	31	105	50	72	37	107	68	84	54	66	44	93	56	88	50	79	54	74	55	88	41	93	54	86	54
9	.....	.....	86	29	111	60	87	44	111	70	91	60	57	50	96	57	94	51	94	63	82	66	93	40	101	60	96	59
10	.....	.....	83	36	111	60	70	42	108	72	91	59	60	47	100	61	96	57	98	67	82	67	91	41	103	59	90	60
11	.....	.....	72	39	105	65	70	40	108	80	85	60	57	48	90	62	90	62	83	61	70	53	76	46	98	54	81	62
12	.....	.....	73	24	100	63	77	37	102	73	80	51	62	50	80	51	80	59	82	62	54	45	69	36	88	52	70	52
13	.....	.....	73	24	100	68	71	37	95	71	71	43	60	46	84	48	80	62	89	62	65	44	77	33	85	47	76	49
14	.....	.....	79	20	100	70	72	39	97	71	80	49	52	44	79	57	80	58	90	72	72	55	73	35	85	61	84	50
15	.....	.....	75	53	103	70	78	38	98	72	74	57	54	47	75	60	77	57	81	66	66	58	63	56	81	63	70	60
16	.....	.....	66	47	99	70	74	36	103	73	78	53	62	50	84	63	86	56	79	63	66	52	76	52	85	64	78	60
17	.....	.....	68	33	103	65	70	39	105	72	79	58	59	46	86	58	88	50	84	60	75	55	82	34	90	58	82	53
18	.....	.....	65	42	102	58	72	41	103	79	81	52	59	49	87	56	88	54	86	56	65	52	73	41	93	54	76	60
19	.....	.....	64	35	99	58	76	42	104	76	76	50	60	50	83	51	84	60	82	56	61	43	74	40	88	48	72	57
20	.....	.....	57	35	99	58	80	44	106	86	80	51	59	52	87	53	83	46	83	59	70	50	78	36	90	53	77	57
21	.....	.....	68	31	101	58	80	48	104	73	83	53	55	52	89	57	84	54	85	58	75	60	88	41	91	51	85	56
22	.....	.....	75	40	101	58	85	48	104	61	89	59	55	49	90	58	82	51	78	55	79	65	86	45	97	55	91	63
23	.....	.....	83	37	100	57	87	50	102	61	90	58	53	49	94	62	84	54	76	57	83	68	87	47	97	57	91	65
24	.....	.....	80	38	98	57	82	47	104	62	89	59	55	49	94	61	85	52	76	58	78	66	87	47	97	58	88	62
25	.....	.....	79	36	98	54	80	48	103	63	84	58	57	46	92	61	83	54	74	57	74	60	85	46	95	56	89	61
26	.....	.....	82	38	101	56	84	44	100	61	85	51	54	49	90	55	84	49	76	58	80	64	85	45	88	54	89	59
27	.....	.....	82	37	100	55	87	46	101	60	82	51	53	49	91	58	84	50	75	58	71	57	85	44	88	51	86	58
28	.....	.....	76	35	103	55	87	45	102	60	76	48	58	50	85	54	83	49	73	58	64	55	81	43	88	54	79	53
29	.....	.....	80	33	96	52	82	39	.....	.....	90	52	58	50	85	53	83	53	87	55	76	60	88	40	88	53	93	54
30	.....	.....	82	33	96	60	81	42	96	63	89	55	60	53	90	60	84	48	90	63	85	70	92	43	93	54	90	58
31	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mns	.....	.....	76.9	34.8	101.8	60.4	78.2	42.7	103.3[a]	69.8[a]	84.3	54.0	57.5	48.7	89.3	57.7	85.6	53.8	81.3	59.7	72.9	57.1	84.1	42.7	93.1	56.2	84.6	57.5

Date.	California.																											
	Redlands.		Sacramento.		San Diego.		San Francisco.		San Jose.		San Luis Obispo.		Santa Barbara.		Santa Rosa.		Sisson.		Stockton.		Summit.		Susanville.		Yosemite.	
	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	101	62	93	57	81	67	65	48	85	44	62	48	83	57	83	46	76	41	90	54	74	45	84	45	94	45
2	91	63	83	52	74	66	59	49	78	48	72	51	72	57	73	47	79	40	84	54	80	48	81	40	92	42
3	88	62	83	50	73	64	62	53	75	46	70	52	69	58	75	53	79	41	78	51	75	45	82	45	83	48
4	84	54	89	50	66	62	58	50	74	53	69	52	69	54	75	51	81	38	84	50	84	42	82	43	86	46
5	86	54	88	55	69	62	58	50	75	49	70	52	65	57	73	48	81	46	84	54	78	41	86	41	90	44
6	84	53	74	50	68	60	58	50	76	46	67	52	66	56	67	49	72	40	84	50	77	47	80	54	91	45
7	92	48	80	50	69	59	60	50	74	47	68	50	67	56	74	48	70	39	79	49	74	47	78	48	91	41
8	101	48	88	53	71	59	70	51	79	43	84	48	72	54	85	38	64	39	84	51	78	47	81	44	90	39
9	106	64	92	54	80	62	79	56	88	45	98	53	75	50	93	43	80	42	90	56	80	39	86	40	90	39
10	102	68	92	59	86	64	74	54	90	44	99	54	86	57	93	40	79	41	92	56	81	38	83	46	89	38
11	95	59	78	52	70	63	62	51	73	45	85	48	77	52	80	50	64	33	80	58	74	57	69	42	86	37
12	91	52	69	48	75	62	60	50	67	44	67	48	74	59	70	38	62	30	78	49	67	41	68	34	70	36
13	93	62	74	45	81	66	69	52	75	40	80	42	78	51	77	41	64	29	80	45	67	34	69	32	69	29
14	96	67	76	50	82	72	80	53	73	46	84	50	81	64	87	37	70	33	78	51	59	35	72	34	65	40
15	86	62	71	60	76	67	65	49	70	54	76	59	75	63	78	55	72	42	76	60	54	46	68	54	65	40
16	92	59	79	49	72	66	69	50	73	48	74	53	75	62	81	48	67	35	76	52	59	41	67	50	75	53
17	98	60	80	49	71	64	69	53	82	42	84	56	82	60	82	41	62	38	78	52	70	43	71	41	72	41
18	98	58	77	53	72	60	63	51	72	43	76	50	79	58	74	42	62	38	74	51	71	41	72	50	71	40
19	95	55	75	50	74	62	62	52	75	50	70	50	75	57	67	51	63	39	75	49	67	40	68	42	73	38
20	93	53	82	51	74	58	69	53	77	48	78	46	77	53	78	47	65	43	85	50	70	35	66	40	70	35
21	93	53	84	53	73	56	68	51	80	49	85	46	78	52	84	44	60	35	87	56	71	32	72	41	74	38
22	92	54	91	56	72	61	66	48	80	50	87	49	70	55	84	44	72	32	87	57	71	41	72	42	76	40
23	90	54	91	58	72	62	59	49	77	51	73	49	68	58	78	48	75	37	86	56	81	40	76	43	78	41
24	92	52	83	53	73	61	56	50	74	52	72	49	67	57	70	48	75	37	84	54	83	41	80	48	80	43
25	86	50	83	49	70	61	56	50	72	51	68	49	64	57	69	49	85	40	79	52	73	39	78	44	78	40
26	86	47	88	49	70	62	57	49	73	51	68	50	63	58	74	48	79	41	79	49	84	41	77	45	79	40
27	87	50	75	49	70	61	54	49	68	50	66	50	64	57	63	48	80	40	73	49	80	41	78	46	80	39
28	86	48	77	47	69	59	58	50	70	51	67	50	67	56	64	49	75	39	74	46	86	38	75	43	78	41
29	95	50	87	49	74	58	72	50	81	50	84	47	72	56	88	46	74	39	83	47	75	38	74	40	79	39
30	89	59	90	60	76	63	82	51	89	47	95	50	88	57	93	43	79	41	88	54	79	40	80	43	78	40
31	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	92.3	56.0	82.4	52.0	73.4	62.5	64.6	50.7	76.5	47.6	77.3	50.4	73.7	56.6	77.7	46.0	72.2	38.3	81.6	52.1	74.1	41.4	75.8	43.5	79.7	40.6