

U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

CALIFORNIA SECTION

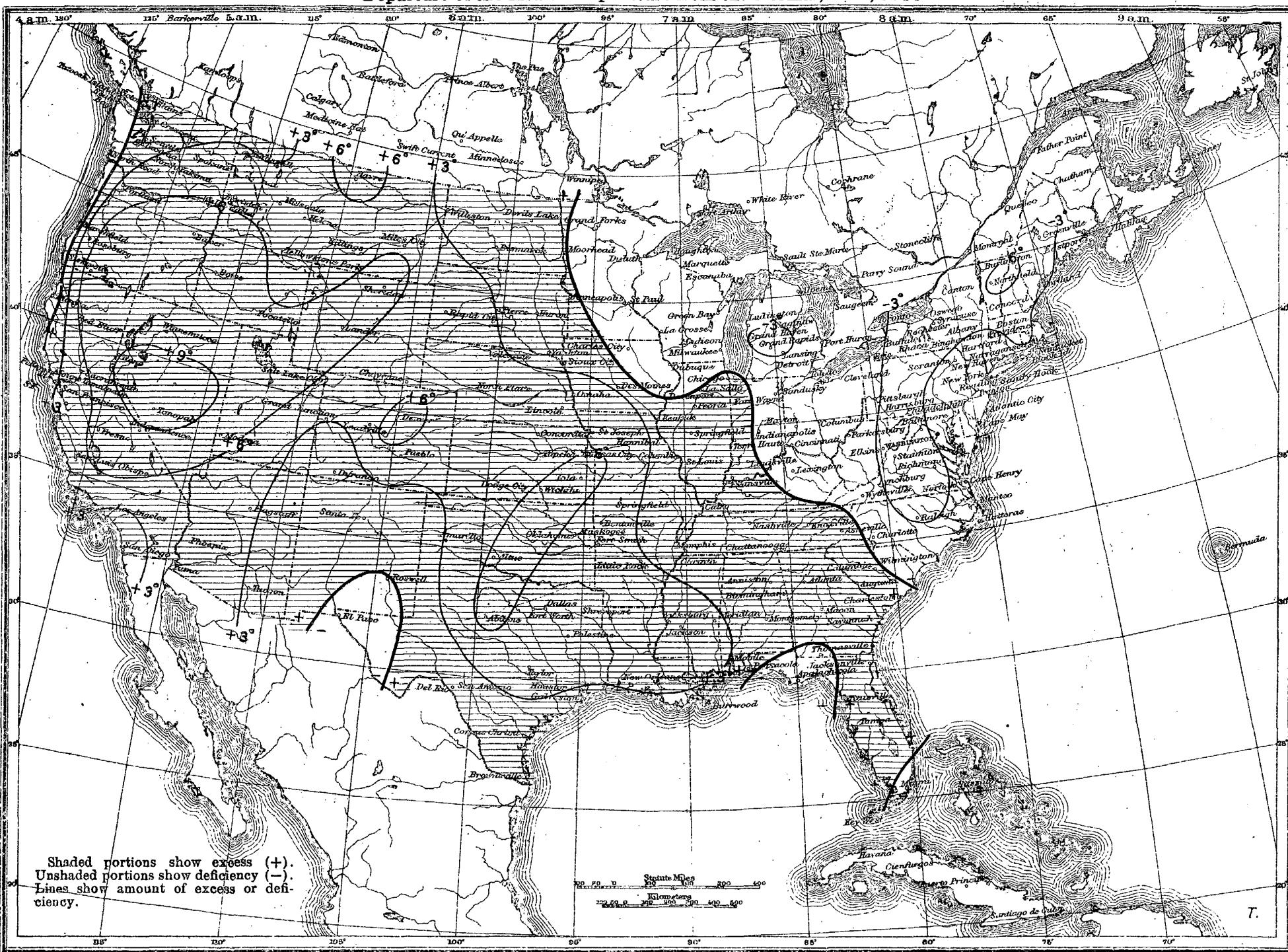
JUNE, 1918

BY
EDWARD A. BEALS,
DISTRICT FORECASTER AND SECTION DIRECTOR.



SAN FRANCISCO, CAL.
WEATHER BUREAU OFFICE
JULY 19, 1918

Departure of the Mean Temperature from the Normal, June, 1918.



U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

CALIFORNIA SECTION.

EDWARD A. BEALS, District Forecaster.

VOL. XXII.

SAN FRANCISCO; JUNE, 1918.

No. 6.

GENERAL SUMMARY.

This was the warmest June in 22 years, the length of the state-wide record. Extraordinary heat prevailed throughout the entire month in the interior valleys and in the desert plateau. In Death Valley the temperature reached or exceeded 100° on every day of the month, culminating with a maximum of 124° on the 27th. Along the immediate coast, however, normal temperatures prevailed, owing to the presence of cool winds and fogs from off the ocean. As is usual during June, the rainfall was light. No measurable precipitation occurred at about one-half of the 300 stations from which reports were received. The rainfall was deficient everywhere except in the southeastern plateau region, where heavy showers fell on several occasions. Barstow, in the heart of the Mojave Desert, received the heaviest precipitation in the State, more rain falling within a period of three hours, on the 15th, than usually falls there in six months. More than the usual amount of sunshine was received, and the wind movement was relatively high. A velocity of 80 miles per hour was recorded on Mount Tamalpais on the 6th, while at Point Reyes velocities exceeding 40 miles per hour occurred on nine days. Thunderstorms were of frequent occurrence and of extraordinary violence. Though most of the snow remaining in the mountains disappeared during the month, streams maintained low stages, and some of the smaller creeks disappeared entirely.

The first ten days of the month were clear and moderately warm, the lowest temperatures of the month occurring at most stations on the 1st or 2d. The second decade was hot and sultry, with frequent thunderstorms which were accompanied by light and scattered showers. Press reports stated that between June 9th and 12th lightning started more than 100 forest fires in the Klamath National Forest. Sonora rains, somewhat earlier than usual, occurred in the southeastern plateau region. The extraordinary heat continued during the last ten days of the month. The highest temperatures ever recorded in June occurred at several stations on the 26th and 27th. A series of severe thunderstorms passed over southern California on June 30-July 1, doing considerable damage in the vicinity of Los Angeles. Lightning struck an oil derrick at La Brea and an oil tank at El Segundo, and in the fires which followed, a loss of \$5,000 was sustained at the former place, and a loss of \$300,000 at the latter. Though thunderstorms were frequent, no destructive hail accompanied any of them, so far as is known.

Agriculturally, the weather during June was partly favorable, partly unfavorable. All irrigated crops made excellent progress. Sugar beets, rice, cotton, hops, beans, potatoes, and truck crops did well. Oranges set heavily, and grapes made satisfactory progress. Berries, cherries, peaches and apricots were harvested under favorable conditions, and the yields were about normal. It was ideal weather for haying. Second and third crops of alfalfa were harvested in different portions of the State, and good yields were secured. However, the hot spell was injurious to wheat, barley and oats, as they matured too fast, and the harvest began earlier than usual. The high temperatures were injurious to orange trees, as the heat affected the foliage, while the dropping of unripe fruit was abnormally heavy. The heat was also injurious to growing prunes, olives and almonds. Though range feed became scarce, the condition of grazing cattle remained fair to good. In some places irrigation water began to fail rapidly near the close of the month. However, the agricultural situation at the end of the month was generally satisfactory. A. H. P.

PRESSURE.

The mean sea level pressure, determined from the records of twelve regular Weather Bureau stations, was 29.87 inches. The highest was 30.18 inches at Eureka on the 17th; the lowest was 29.56 inches at Fresno on the 22d; the range for the State was 0.62 inch.

TEMPERATURE.

The monthly mean temperature for the State, as shown by the records of 100 stations, was 72.5° , which is 3.5° above the normal.

The highest monthly mean was 98.3° , at Greenland Ranch; and the lowest was 52.2° , at Point Reyes.

The highest temperature, 124° , occurred at Greenland Ranch on the 27th; and the lowest, 27° , occurred at Tamarack on the 1st.

The range for the State was 97° .

PRECIPITATION.

The average precipitation for the State, as shown by the records of 223 stations, was 0.12 inch, or 0.19 inch below the normal.

The greatest monthly amount was 2.97 inches, at Barstow. Seventy-eight stations reported no precipitation.

The greatest amount in 24 hours was 1.93 inches at Barstow on the 15th.

RELATIVE HUMIDITY, SUNSHINE AND CLOUDINESS.

Stations.	Relative humidity. (Per cent.)			Sunshine.	
	5 a.m.	5 p.m.	Mean.		
Eureka.....	94	83	88	257	57
Fresno.....	45	17	31	411	93
Los Angeles.....	86	59	72	288	67
Mount Tamalpais.....	29	28	28	408	92
Red Bluff.....	43	13	28	412	92
Sacramento.....	67	25	46	396	89
San Diego.....	90	74	82	266	62
San Francisco.....	88	71	80	334	75
San Jose.....	.....	48	.....	390	89
San Luis Obispo.....	87	54	70	360	83

WIND MOVEMENT.—(Miles.)

Stations.	Total mov. for month.	Ave. hr. velocity.	Maximum velocity.	Direction.		Date.	Prev. dir.
					
Eureka.....	4,770	6.6	27	n.	17	n.	
Fresno.....	6,219	8.6	30	nw.	13	nw.	
Los Angeles.....	3,713	5.2	28	se.	10	sw.	
Mount Tamalpais.....	10,195	14.1	80	nw.	6	nw.	
Point Reyes.....	16,133	22.4	60	nw.	14	nw.	
Red Bluff.....	3,587	4.9	19	s.	1	se.	
Sacramento.....	5,945	8.3	25	s.	25	s.	
San Diego.....	4,697	6.5	30	s.	10	w.	
San Francisco.....	9,042	12.5	35	sw.	3	sw.	
San Jose.....	4,331	6.0	20	nw.	22	nw.	
San Luis Obispo.....	2,631	3.7	15	w.	22	nw.	

COMPARATIVE DATA FOR JUNE.

Year.	Mean temp.	Ave. precip.	Year.	Mean temp.	Ave. precip.	Year.	Mean temp.	Ave. precip.	Year.	Mean temp.	Ave. precip.
1897.....	69.8	0.46	1903.....	70.9	0.07	1909.....	68.1	0.19	1915.....	67.8	0.01
1898.....	71.3	0.25	1904.....	71.1	0.04	1910.....	67.3	0.05	1916.....	65.2	0.22
1899.....	71.5	0.57	1905.....	67.5	0.07	1911.....	66.7	0.15	1917.....	69.2	0.02
1900.....	71.4	0.19	1906.....	66.7	1.05	1912.....	68.0	0.49	1918.....	72.5	0.12
1901.....	70.5	0.01	1907.....	66.1	1.02	1913.....	65.8	0.27	.....	.....	.....
1902.....	70.2	0.10	1908.....	66.0	0.17	1914.....	66.4	0.85	.....	.....	.....

Explanation of Reference Marks Used in This Publication.

The departures from the normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

* On other dates. T. Precipitation is less than 0.01 inch rain or melted snow.

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

Station at Llano formerly known as Valyermo; station at Lytle Creek formerly known as Rialto (near).

CLIMATOLOGICAL DATA: CALIFORNIA SECTION.

JUNE, 1918.

Climatological Data for June, 1918.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.				Precipitation, in inches.				Number of days.				Observers.				
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Snowfall (un-melted).	Precipitation, 0.1 inch or more.	Cloudy.	Prevailing direction of wind.			
Alturas.	Modoc.	4,400	14	66.2	+7.6	98	30	29	1	57	0.02	-0.77	0.02	0	1	22	7	1	w.	
Antioch.	Contra Costa.	46	39	77.4	+5.4	104	26	49	4	52	0.00	-0.11	0.00	0	0	30	0	0	s.	
Atascadero.	San Luis Obispo.	837	2	68.8	.....	103	10	39	24	55	0.00	.....	0.00	0	0	22	7	1	s.
Avalon.	Los Angeles.	30	8	63.6	.....	75	+17	55	+2	13	0.04	.....	0.03	0	0	24	6	0	e.
Azusa.	do.	540	16	74.8	+6.8	105	10	48	1	40	0.22	+0.07	0.12	0	0	26	1	3	.....
Bakersfield.	Kern.	404	29	82.2	+3.4	107	+12	54	4	48	0.00	-0.03	0.00	0	0	26	0	4	.....
Barstow.	San Bernardino.	2,105	15	83.4	+6.0	111	27	62	1	46	2.97	+2.97	1.93	0	0	4	19	5	w.	
Berkeley.	Alameda.	317	31	62.1	+1.2	89	2	46	14	41	T.	-0.20	T.	0	0	13	16	1	w.	
Betteravia.	Santa Barbara.	155	6	65.8	.....	92	+11	36	+2	46	0.00	.....	0.00	0	0	30	0	0	.....
Blue Canon.	Placer.	4,635	19	63.6	+3.2	93	5	35	+1	50	T.	-1.10	T.	0	0	19	10	1	s.	
Blythe.	Riverside.	268	9	90.2	.....	120	11	58	3	48	T.	.....	T.	0	0	27	0	3	sw.
Bonita.	San Diego.	110	2	69.8	95	9	51	6	42	0.02	0.02	0	0	1	15	13	2	w.
Branscomb.	Mendocino.	2,000	18	69.2	+10.3	100	27	39	24	55	T.	-1.39	T.	0	0	28	1	1	n.	
Brawley.	Imperial.	-105	8	88.2	.....	*114	11	*57	1	*44	T.	.....	T.	0	0	0	0	0	.....
Calaveras.	Calaveras.	3,400	2	*68.0	.....	96	+27	41	6	44	0.04	0.02	0	0	3	24	2	4	sw.
Camptonville (near).	Imperial.	0	15	88.6	+5.2	113	11	59	1	43	T.	-0.03	T.	0	0	14	12	4	se.	
Cedarville.	Yuba.	3,500	11	62.0	.....	100	+11	50	+1	44	T.	.....	T.	0	0	26	2	2	sw.
Chico.	Modoc.	4,675	24	*71.1	+10.7	*95	+11	*36	1	*45	0.31	-0.35	*0.16	0	3	8	21	1	sw.	
Claremont.	Butte.	189	48	79.2	+2.1	112	+12	46	1	50	T.	-0.43	T.	0	0	27	2	1	se.	
Cloverdale.	Los Angeles.	1,200	29	72.9	+5.7	99	17	45	1	43	0.02	-0.12	0.02	0	1	18	8	4	.....
Cofax.	Sonoma.	340	16	71.8	+3.4	102	+10	46	+4	53	0.46	+0.19	0.46	0	1	28	1	1	w.	
Corona.	Riverside.	2,421	47	76.8	+5.6	100	26	51	23	35	0.00	-0.69	0.00	0	0	27	0	0	.....
Crescent City.	Del Norte.	615	4	76.4	.....	104	14	46	1	48	T.	0	0	0	0	24	3	3	nw.
Davis.	Volo.	51	46	77.6	+2.8	112	11	45	5	55	0.00	-0.17	0.00	0	0	29	1	0	sw.	
Downieville.	Sierra.	3,150	2	70.0	.....	104	26	38	+1	55	T.	0	0	0	0	26	2	2	s.
Durham.	Butte.	160	25	78.7	+6.1	108	11	49	+1	50	T.	-0.38	T.	0	0	27	2	1	s.	
El Cajon.	San Diego.	482	19	73.4	+6.2	100	17	49	1	39	0.00	-0.11	0.00	0	0	30	0	0	sw.	
Escondido.	Riverside.	1,300	2	78.6	.....	105	15	49	1	44	0.00	0.00	0	0	0	16	10	4	ne.
EUREKA.	San Diego.	657	24	71.6	+3.4	98	18	49	1	43	0.02	-0.08	0.02	0	1	19	8	3	w.	
Folsom.	Humboldt.	64	32	54.3	-0.3	70	8	43	1	25	0.02	-1.04	0.01	0	0	26	6	14	.....
Fontana.	Sacramento.	252	45	81.6	+7.5	109	12	51	5	46	0.00	-0.23	0.00	0	0	30	0	0	n.	
Fort Bidwell.	San Bernardino.	1,325	6	74.3	.....	99	17	49	1	43	0.06	0.06	0	0	0	28	2	0	sw.
FRESNO.	Modoc.	4,375	29	69.0	+4.8	94	+8	33	1	46	0.23	-0.75	0.08	0	4	18	9	3	sw.	
Grass Valley.	Fresno.	293	31	82.5	+6.7	103	9	57	23	38	0.01	-0.09	0.01	0	1	24	6	0	nw.	
Greenland Ranch.	Nevada.	2,690	46	75.6	.....	98	+11	40	28	58	0.00	-0.73	0.00	0	0	30	0	0	sw.
Inyo.	Monterey.	-178	7	98.3	.....	124	27	68	2	42	0.00	0.00	0	0	0	13	0	17	.....
Hanford.	Shasta.	249	18	82.4	+7.0	108	+9	60	+2	52	0.00	-0.07	0.00	0	0	30	0	0	.....
Healdsburg.	San Benito.	110	25	68.0	+2.1	101	10	44	+17	53	0.30	-0.05	0.30	0	1	22	7	1	nw.	
Hollister.	Butte.	284	44	67.4	+1.5	101	10	44	+1	47	T.	-0.13	T.	0	0	9	21	0	w.	
INDEPENDENCE.	Inyo.	3,907	22	77.7	+4.3	101	28	52	+1	38	0.13	+0.05	0.06	0	5	14	8	8	nw.	
Inspirk.	Butte.	4,975	11	71.0	.....	92	+26	50	15	25	T.	.....	T.	0	0	24	4	2	.....
Kennett.	Shasta.	730	6	82.2	.....	113	27	52	+2	57	0.00	0.00	0	0	0	26	4	0	sw.
King City.	Monterey.	333	31	68.2	+6.2	*110	10	40	+25	65	0.00	-0.02	0.00	0	0	30	0	0	n.	
La Porte.	Plumas.	5,600	24	60.4	+4.2	87	26	39	1	38	0.00	-1.36	0.00	0	0	28	1	1	.....
Lemon Cove.	Tulare.	600	23	81.2	+5.2	108	10	55	7	46	T.	-0.09	T.	0	0	27	2	1	nw.	
Lick Observatory.	Santa Clara.	4,209	29	71.8	+11.8	89	+19	52	23	21	0.00	-0.40	0.00	0	0	25	5	0	nw.	
Lindsay.	Tulare.	384	4	81.6	.....	111	+19	49	24	51	T.	.....	T.	0	0	21	4	5	nw.
Lone Pine.	Los Angeles.	3,728	13	75.2	+6.7	99	+13	42	1	44	T.	-0.05	T.	0	0	24	6	0	s.	
LOS ANGELES.	Los Angeles.	293	41	69.7	+3.0	93	10	52	1	28	0.03	-0.04	0.01	0	3	16	12	2	sw.	
McCloud.	Siskiyou.	3,270	8	64.8	.....	97	27	32	+1	50	T.	.....	T.	0	0	23	5	2	s.
Madelaine.	Lassen.	5,270	9	65.6	.....	*93	30	*35	+24	52	T.	.....	T.	0	0	23	4	1	nw.
Marysville.	Yuba.	67	47	78.6	+2.4	110	11	51	+24	47	T.	-0.25	T.	0	0	27	2	1	se.	
Mecca.	Riverside.	-185	12	90.6	+6.9	113	11	63	1	39	T.	.....	T.	0	0	18	11	1	s.
Merced.	Merced.	173	44	79.7	+4.4	106	11	50	+1	43	T.	-0.12	T.	0	0	27	3	0	nw.	
MOUNT TAMALPAIS.	Marin.	2,375	19	71.0	+6.1	94	27	43	23	23	0.04	-0.36	0.04	0	1	23	7	2	nw.	
Mount Wilson.	Los Angeles.	5,704	1	72.6	.....	94	12	51	23	25	0.07	0.04	0.04	0	3	19	9	2	sw.
Napa.	San Bernardino.	20	41	69.9	+4.5	98	10	40	14	51	T.	-0.21	T.	0	0	27	3	0	s.	
Needles.	San Bernardino.	476	26	92.0	+4.7	122	11	59	2	47	0.88	+0.87	0.45	0	4	14	7	9	sw.	
Nevada City.	Nevada.	2,850	26	69.4	+6.7	101	+26	38	2	52	T.	-0.65	T.	0	0	27	2	1	sw.	
Newman.	Stanislaus.	91	29	77.2	+0.7	106	+11	46	+26	55	0.00	-0.06	0.00	0	0	28	2	0	.....
Newland.	Alameda.	36	42	63.0	+1.5	87	19	51	+1	35	T.	-0.30	T.	0	0	10	16	4	nw.	
Orland.	Glenn.	254	36	81.7	+3.0	113	11	50	24	46	0.03	-0.31	0.03	0	1	22	5	2	sw.	
Oroville (near).	Butte.	250	34	79.4	+4.9	110	+11	48	24	58	T.	-0.37	T.	0	0	20	7	3	sw.	
Portadena.	Los Angeles.	1,085	28	71.6	+1.0	97	18	45	+1	36	T.	-0.01	T.	0	0	22	6	2	sw.	
Paso Robles.	San Luis Obispo.	801	31	72.4	+4.2	108	11	41	1	57	0.00	-0.03	0.00	0	0	28	2	0	e.	
Petaluma.	Sonoma.	4	63.2	96	19	83	+10	49	+15	49	0.11	-0.16	0.11	0	1	29	1	0	w.	
POINT REYES.	El Dorado.	1,925	29	71.0	+4.6	103	+11	43	+2	50	T.	-0.66	T.	0	0	28	2	0	.....
Pomona.	Marin.	496	26	52.2	-0.6	69	8	46	14	50	0.26	+0.01	0.26	0	1	6	11	13	nw.	
Porterville.	Los Angeles.	857	4	78.2	.....	100	17	46	1	41	T.	.....	T.	0	0	6	7	17	s.
Portola.	Tulare.	464	29	82.2	+3.4	108	9	54	24	42	0.00	-0.11	0.00	0	0	24	4	5	sw.	
RED BLUFF.	Plumas.	3	55.0	86	8	30	30	+13	38	0.00	-0.37	0.09	0	1	25	4	1	se.		
Redding.	Tehama.	307	41	82.0	+6.3	112	27	45	+24	53	0.09	-0.37	0.10	0	1					

Daily Precipitation for June, 1918.

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

observation. *** Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation

III Precipitation measured in the morning; amount then reported is for precipitation 24 hours. Precipitation included in the next following measurement. 1 Separate dates of fall not recorded. T. Trace, or less than .01 inch. Stations marked thus * are in Los Angeles or San Bernardino Counties.

CLIMATOLOGICAL DATA: CALIFORNIA SECTION.

JUNE, 1918.

Daily Temperature for June, 1918:

Stations.	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	Mean.
Bakersfield.	93	99	100	100	99	96	95	98	106	103	106	107	105	95	97	97	98	101	102	102	100	99	90	99	104	106	109	107	105	104	100.3	
Maximum	56	56	55	54	63	62	65	64	65	66	63	70	65	56	64	66	70	75	70	58	56	57	69	69	70	72	70	70	64.2			
Minimum	98	103	101	103	105	106	106	102	103	106	113	105	108	101	96	98	103	103	102	106	109	109	102	104	107	110	110	108	104	104.5		
Calexico	59	66	64	73	62	67	63	74	75	76	83	77	76	76	79	82	75	76	82	75	76	80	76	78	78	72.8						
Chico	89	96	96	99	98	95	97	102	100	103	106	112	102	98	94	95	90	97	102	106	98	98	94	96	92	106	110	110	112	110	110	99.8
Escondido	46	50	54	53	55	53	56	60	67	58	65	70	66	57	54	55	56	59	62	68	65	55	48	48	66	62	64	60	61	61	58.7	
Maximum	78	79	77	75	80	82	84	87	96	85	85	86	93	91	93	98	98	83	93	89	83	81	81	83	86	83	84	83	77	85.4		
Minimum	49	54	55	55	55	53	52	52	53	53	58	55	56	57	60	60	64	65	66	61	57	60	61	61	58	59	55	58	60	62	57.8	
Eureka	54	56	70	65	60	59	65	66	62	58	57	58	59	58	57	58	56	57	56	56	59	60	60	68	61	60	59	57	57	59.7		
Maximum	43	48	45	49	49	47	48	48	52	52	51	47	47	51	49	46	48	51	52	52	53	51	52	50	48	47	48	48	49	48.9		
Fresno	91	97	98	97	98	94	94	100	106	102	105	105	101	91	97	94	98	103	102	96	97	96	96	92	100	105	105	103	104	98.7		
Independence	61	63	64	62	63	59	66	68	72	73	70	62	64	70	68	75	75	69	65	57	56	62	68	70	73	67	66	66	63.3			
Mount Tamalpais	83	86	87	89	90	90	92	94	96	98	99	100	99	98	94	85	85	89	90	86	88	91	89	91	96	100	101	98	96	90	92.3	
Oakland	52	54	54	61	60	57	63	58	65	67	66	63	65	67	66	65	67	65	64	60	59	56	57	54	57	54	56	57	54	53.1		
Los Angeles	71	74	75	71	73	76	74	80	84	93	81	74	79	88	89	89	84	91	81	84	79	74	75	76	77	77	71	77	79	74.4		
Maximum	52	54	55	57	56	55	55	56	57	56	59	57	58	59	58	59	58	59	58	59	58	59	59	59	59	59	59	59	59	59	60.0	
Merced	88	96	96	95	96	93	94	99	104	103	106	102	97	90	94	90	97	102	93	95	93	94	91	93	94	90	92	92	92	92	92	97.2
Maximum	50	59	59	59	58	56	54	60	63	63	69	71	65	69	63	64	64	63	62	66	65	66	64	63	62	62	62	62	62	62	62.2	
Mount Tamalpais	78	82	81	77	76	74	87	81	87	84	89	84	89	74	72	81	85	90	81	74	76	69	76	84	94	84	80	80	80	80	79.1	
Oakland	79	86	75	85	76	71	79	81	86	80	69	67	73	67	65	76	82	87	71	63	63	61	67	71	72	68	67	67	67	67.2		
Maximum	51	51	59	51	52	52	52	53	56	56	54	52	51	51	52	51	51	52	51	51	52	51	51	54	54	54	54	54	54	53.4		
Orland	93	97	100	100	99	98	102	101	105	103	113	108	103	100	99	95	95	97	103	93	100	93	87	95	105	112	111	111	110	104	101.2	
Maximum	65	70	60	58	60	59	66	62	72	71	64	55	59	53	52	51	61	63	71	67	59	52	50	61	66	65	71	75	68	62.2		
Oroville	93	95	98	98	96	94	96	99	105	108	110	93	95	91	92	90	97	103	106	97	96	96	93	98	94	104	110	107	105	109	103	99.2
Maximum	51	52	60	55	54	55	55	56	58	50	73	68	64	53	57	54	57	60	67	68	53	54	54	54	54	54	54	54	54	54	59.5	
Paso Robles	87	96	97	92	95	95	97	98	104	102	108	93	95	99	91	94	100	105	86	93	94	90	100	98	94	91	91	91	91	95.7		
Maximum	41	44	46	43	43	45	49	48	50	51	54	51	52	52	52	52	56	57	60	55	50	44	42	46	49	50	49	52	52	52	49.2	
Point Reyes	54	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56.7		
Maximum	47	47	48	49	46	48	47	49	48	45	48	47	48	46	48	47	47	48	49	46	47	47	48	47	48	47	48	47	48	47.8		
Pomona	84	84	84	83	86	86	89	83	93	94	92	91	95	93	97	100	91	93	97	97	97	98	81	82	86	89	87	87	87	87	87	90.1
Maximum	46	47	56	58	53	49	48	53	52	52	59	58	55	56	56	61	62	60	61	65	65	66	62	62	56	56	56	56	56	56	56.4	
Porterville	83	98	97	97	99	95	94	99	108	110	103	95	91	92	90	97	103	106	97	96	96	93	98	94	104	110	107	105	109	103	99.2	
Maximum	57	59	61	61	60	57	63	66	78	72	63	61	67	68	67	74	75	68	64	64	65	68	63	69	63	69	63	69	63	69	65.0	
Red Bluff	90	95	97	98	94	96	100	95	102	104	108	97	95	91	92	88	96	101	105	97	97	92	85	93	105	110	112	107	107	104	98.5	
Maximum	62	60	61	61	62	61	62	67	65	73	65	68	61	60	60	58	58	63	68	64	64	61	61	61	61	61	61	61	61	61	61.6	
Redlands	87	89	85	85	89	92	92	94	95	92	97	95	98	99	88	93	93	94	91	96	98	89	80	84	91	92	94	89	90	84	91.3	
Maximum	48	52	56	56	56	52	58	55	60	60	67	62	61	61	61	65	66	67	62	60	60	60	62	62	62	62	62	62	62	62	62.9	
Sacramento	92	95	95	92	91	89	90	99	100	105	107	97	90	90	87	85	93	99	103	91	97	90	104	102	92	92	92	92	92	92	94.1	
Maximum	60	57	53	52	56	54	59	55	58	51	71	53	54	51	55	54	55	54	67	63	62	54	50	49	59	56	58	59	57.6			
San Bernardino	89	88	87	92	93	94	97	95	92	95	95	98	100	102	90	96	100	100	95	96	100	92	84	87	92	95	95	92	93	93.4		
Maximum	76	51	55	57	49	52	51	54	56	60	60	59	59	63	64	65	67	70	65	68	69	61	60	60	54	57	57	59	56	58.6		
San Diego	66	67	66	67	67	68	70	76	73	73	70	72	70	72	73	79	80	82	82	79	75	69	70	71	69	71	71	71	71	71	71.7	
Maximum	56	57	57	58	58	59	58	53	54	63	63	62	61	61	62	62	62	66	68	67	66	68	66	68	68	68	68	68	68	68.0		
San Francisco	75	83	66	61	60	65	64	76	63	81	73	62	63	70	61	63	73	74	73	74	61	61	61	63	62	63	63	62	63	62.0		
Maximum	52	52	51	51	50	50	50	51	52	54	51	51	51	51	51	51	51	52	54	51	52	54	51	52	54	51	52	54	51	52	51.7	
San Jose	87	91	87	79	76	81	77	91	89	92	93	92	93	91	81	73	79	79	85	81	73	74	82	84	88	83	80	82				

Total Precipitation, Inches, June, 1918.





The influence of the diversified topography of California upon its precipitation is shown by the lines of equal rainfall in inches, on the accompanying relief map.