

## U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## CALIFORNIA SECTION.

EDWARD A. BEALS, District Forecaster.

VOL. XXIII. SAN FRANCISCO, JULY, 1919.

No. 7.

## GENERAL SUMMARY.

Seasonal weather prevailed in California during July. The usual midsummer heat occurred in the interior valleys, while cool winds and ocean fogs kept the temperatures relatively low along the coast. During the hot spell of the 8th and 9th of the month, temperatures of  $110^{\circ}$  and over were common in the Sacramento, San Joaquin and Imperial Valleys. The drought continued unbroken, and streams maintained abnormally low stages. There was growing anxiety that the supply of water stored for irrigation and power purposes would be exhausted before the advent of the rainy season. The only rain of consequence was that which accompanied thunderstorms in the desert plateau of the southeastern portion of the State. Thunderstorms, generally unaccompanied by rainfall, were also of frequent occurrence in Sierra Nevada Mountains, where forest fires resulted from lightning. Light snow fell on the summit of Mount Whitney on the 22d. Cloudless skies prevailed in the interior valleys. The wind movement was about normal. At Point Reyes, one of the coolest places in the United States in midsummer, the mean temperature was under  $53^{\circ}$ , and the extreme maximum was but  $71^{\circ}$ . Fog occurred there on 22 days of the month, and wind velocities exceeding 40 miles per hour were recorded on 12 days of the month.

Agriculturally, the weather during July was generally satisfactory. Farm work in general, and harvesting in particular proceeded without interruption. Ideal weather prevailed for the gathering of a great variety of fruits and grains. The unbroken sunshine was well adapted for the curing of fruit, grain, hay and alfalfa. Considering the long continued drought, ranges maintained a fair condition, and grazing stock found ample feed. The dropping of citrus fruit was diminished, and sugar beets, corn, rice, cotton, hops, beans, potatoes and truck crops did well. The hot spell slightly injured grapes and prunes, some rice fields were abandoned on account of deficient water, and olives gave promise of a poor yield on account of the occurrence of unfavorable weather at the time of blossoming. However, at the close of the month the agricultural situation was generally good, and for many crops the conditions were the best in years.

A. H. P.

## PRESSURE.

The mean sea level pressure, determined from the records of twelve regular Weather Bureau stations, was 29.91 inches. The highest was 30.21 inches at Eureka on the 29th; the lowest was 29.60 inches at Red Bluff on the 26th; the range for the State was 0.61 inch.

## TEMPERATURE.

The monthly mean temperature for the State, as shown by the records of 99 stations, was  $72.4^{\circ}$ , which is  $1.6^{\circ}$  below the normal.

The highest monthly mean was  $96.2^{\circ}$ , at Bagdad; and the lowest was  $52.8^{\circ}$ , at Point Reyes.

The highest temperature,  $119^{\circ}$ , occurred at Blythe on the 9th, and also at Bagdad on the 25th; and the lowest,  $23^{\circ}$ , occurred at Portola on the 30th.

The range for the State was  $96^{\circ}$ .

## PRECIPITATION.

The average precipitation for the State, as shown by the records of 230 stations, was 0.01 inch, or 0.03 inch below the normal.

The greatest monthly amount was 2.47 inches, at Warner Springs. No rain fell at 191 stations.

The greatest amount in 24 hours was 1.26 inches at Warner Springs on the 17th.

## RELATIVE HUMIDITY, SUNSHINE AND CLOUDINESS.

Stations.	Relative humidity. (Per cent.)			Sunshine. Actual No. of hours Percent of possible.
	5 a.m.	5 p.m.	Mean.	
Eureka.....	92	81	86	230 50
Fresno.....	47	15	31	443 33
Independence.....	41	16	28	393 88
Los Angeles.....	87	59	73	388 88
Mount Tamalpais.....	42	37	40	445 99
Red Bluff.....	49	16	32	449 99
Sacramento.....	80	32	66	442 98
San Diego.....	88	74	81	336 77
San Francisco.....	89	75	82	293 65
San Jose.....	56	54	58	385 86
San Luis Obispo.....	91	54	72	368 83

## WIND MOVEMENT.—(Miles.)

Stations.	Total no. for month	Ave. hr. velocity.	Maximum velocity.	Direction.	Date.	Prev. dir.
Eureka.....	4,938	6.6	28	n.	6	nw.
Fresno.....	6,576	8.8	25	nw.	9	nw.
Independence.....	4,414	5.9	29	se.	1	se.
Los Angeles.....	4,088	5.5	16	sw.	19	sw.
Mount Tamalpais.....	9,746	13.1	58	nw.	11	nw.
Point Reyes.....	15,166	20.4	55	nw.	12	nw.
Red Bluff.....	3,558	4.8	20	nw.	7	se.
Sacramento.....	6,767	9.1	23	s.	28	s.
San Diego.....	4,138	5.6	17	nw.	29	w.
San Francisco.....	10,472	14.1	36	w.	1	sw.
San Jose.....	4,401	5.9	23	se.	27	nnw.
San Luis Obispo.....	2,597	3.5	12	w.	23	nnw.

## COMPARATIVE DATA FOR JULY.

Year.	Mean temp.	Ave. precip.									
1897.....	74.5	0.01	1903.....	71.2	0.03	1909.....	71.2	0.05	1915.....	72.7	0.06
1898.....	81.4	0.01	1904.....	72.2	0.09	1910.....	75.5	0.10	1916.....	70.3	0.31
1899.....	77.9	T.	1905.....	74.8	0.01	1911.....	74.1	0.10	1917.....	75.8	0.08
1900.....	75.9	T.	1906.....	76.8	0.04	1912.....	71.0	0.06	1918.....	71.5	0.07
1901.....	76.0	0.01	1907.....	73.1	0.03	1913.....	73.1	0.46	1919.....	72.4	0.01
1902.....	72.8	0.07	1908.....	76.4	0.04	1914.....	72.4	0.06	1919.....	.....	.....

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.

† Also on other dates. a, b, c, etc., indicate respectively, 1, 2, 3, etc., days missing from the record.

## Daily evaporation (inches) and wind movement (miles) for July, 1919.

Stations.	Data.	Day of Month.																														Monthly.	
		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	
Chula Vista**1.....	Evaporation.....	235	223	259	249	210	234	251	273	296	261	219	247	254	270	236	255	186	243	229	273	252	251	258	254	258	230	180	280	280	244	229	7,619
	Wind movement.....	105	97	113	109	94	91	89	89	118	103	114	91	100	95	125	128	103	108	93	125	127	131	102	104	108	125	95	109	134	109	102	3,836
Dodgeland**2.....	Evaporation.....	349	383	321	403	476	362	297	400	437	483	589	422	412	368	468	322	411	385	496	419	439	440	412	500	292	357	454	487	325	303	337	12,545
Oakdale (near)*3.....	Evaporation.....	430	220	439	515	449	472	450	502	651	561	629	597	550	471	523	539	548	504	516	628	526	581	515	471	488	517	565	477	403	372	488	15,497
	Wind movement.....	120	128	131	127	150	137	107	81	41	246	137	127	142	153	183	179	130	141	162	209	159	173	205	228	168	139	136	165	171	151	125	4,651
Tahoe**4.....	Evaporation.....	130	250	210	070	220	270	190	280	090	120	240	200	300	250	160	230	290	180	110	280	150	250	280	160	270	270	310	390	110	240	6,900	
	Wind movement.....	74	110	112	34	76	108	107	4	107	28	19	180	37	59	70	47	107	36	28	47	113	18	9	77	88	124	122	3	94	123	108	2,269

\* Observation taken at 7 a. m.; \*\* at 8 a. m. † Included in next following entry.

1 Ele. 9 ft.; 10 miles SE of San Diego. 2 Ele. 125 ft.; 16 miles SW of Chico. 3 Ele. 215 ft.; Woodward Reservoir, 8 miles N of Oakdale. 4 Ele. 6230 feet; float in Lake Tahoe.

JULY, 1919.

## Climatological Data for July, 1919.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.					Precipitation, in inches.					Number of days.			Prevailing direction of wind.	Observers	
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Showfall (un-melted).	Precipitation, 0.1 inch or more, Clear.	Partly cloudy.	Cloudy.		
Alturas.	Modoc.	4,400	15	69.2	+2.1	103	9	36	+25	57	0.00	-0.77	0.00	0	25	6	w.	Prof. C. B. Towle.	
Antioch.	Contra Costa.	46	40	71.7	-4.1	101	7	50	+1	45	0.00	0	0.00	0	31	0	e.	C. G. McDaniel.	
Atascadero.	San Luis Obispo.	837	3	66.6	.....	103	16	34	+1	60	0.00	0.00	0	0	27	4	sw.	Colony Holding Corp.	
Azusa.	Los Angeles.	30	17	76.4	+3.0	103	23	51	1	44	0.00	0.00	0	0	30	1	sw.	C. C. Hillis.	
Bakersfield.	Kern.	404	30	84.2	-1.1	106	+17	58	+1	40	0.00	-0.01	0.00	0	31	0	sw.	Santa Fe Co.	
Barstow.	San Bernardino.	2,105	16	84.8	+1.4	108	7	52	1	49	0.06	-0.06	0.06	0	27	4	w.	E. L. White.	
Berkeley.	Alameda.	317	32	60.4	-0.9	86	7	48	4	31	T.	-0.02	T.	0	6	20	5	sw.	State University.
Betteravia.	Santa Barbara.	155	6	64.0	.....	88	8	46	1	40	0.00	0.00	0	0	19	7	sw.	Union Sugar Co.	
Blue Canon.	Placer.	4,695	20	59.2	-6.0	80	+23	37	1	36	0.00	-0.04	0.00	0	31	0	sw.	Southern Pacific Co.	
Blythe.	Riverside.	268	10	97.0	.....	119	9	72	28	41	1.06	.....	1.00	0	25	2	w.	C. L. Suits.	
Bonita.	San Diego.	110	3	70.7	.....	88	+9	54	2	29	T.	.....	T.	0	26	4	n.	R. M. Allen.	
Branscomb.	Mendocino.	2,000	19	66.2	-0.5	98	17	40	+23	48	0.00	-0.12	0.00	0	27	4	sw.	A. J. Haun.	
Brawley.	Imperial.	-105	9	.....	.....	.....	.....	.....	.....	.....	0.09	0.09	0	1	28	2	sw.	M. D. Witter.	
Calexico.	Imperial.	0	14	97.0	+1.2	111	9	73	+3	35	0.08	+0.01	0.08	0	21	7	se.	H. M. Rouse.	
Camptonville (near).	Yuba.	3,500	12	75.1	.....	98	8	48	29	38	0.00	0.00	0	0	29	2	w.	Pacific Gas & Electric Co.	
Chico.	Butte.	189	49	79.2	-4.7	110	+8	47	2	49	0.00	-0.03	0.00	0	31	0	se.	U. S. Bureau Plant Ind.	
Claremont.	Los Angeles.	1,200	27	74.4	+1.5	106	23	49	31	43	0.00	-0.02	0.00	0	30	1	sw.	Prof. F. P. Brackett.	
Cloverdale.	Sonoma.	340	17	67.6	-4.2	101	8	43	2	48	T.	0	T.	0	29	1	s.	John O. Ogle.	
Colfax.	Placer.	2,421	48	71.3	-4.0	100	8	52	30	33	0.00	-0.02	0.00	0	31	0	sw.	Southern Pacific Co.	
Corona.	Riverside.	615	5	77.2	.....	110	23	51	31	49	T.	.....	T.	0	29	1	sw.	T. C. Sias.	
Crescent City.	Del Norte.	125	5	60.6	+4.7	100	18	43	+6	51	T.	-0.28	T.	0	11	19	1	sw.	Thos. E. Peacock.
Davis.	Yolo.	51	47	74.2	-3.7	108	8	44	+25	54	0.00	-0.02	0.00	0	28	2	sw.	Prof. S. H. Beckett.	
Downieville.	Sierra.	3,150	8	70.1	.....	100	17	38	+30	51	0.00	0.00	0	0	30	1	s.	J. T. Mason.	
Durham.	Butte.	160	24	78.4	-0.1	105	+7	48	24	51	0.00	-0.01	0.00	0	30	1	sw.	R. W. Durham.	
El Cajon.	San Diego.	482	20	73.6	+1.0	97	9	54	29	37	T.	-0.10	T.	0	28	2	sw.	Eugene P. Kessler.	
Elsinore.	Riverside.	1,300	3	80.5	.....	109	24	54	19	43	T.	.....	T.	0	25	6	n.	W. L. Wilhite.	
Escondido.	San Diego.	637	25	71.2	-1.1	96	23	47	12	38	0.34	+0.33	0.30	0	24	5	sw.	H. L. Harlow.	
EUREKA.	Humboldt.	64	33	54.2	-1.1	64	8	46	26	52	0.01	-0.10	0.01	0	15	12	14	sw.	U. S. Weather Bureau.
Folsom.	Sacramento.	252	46	78.4	-1.5	108	+8	52	+2	47	0.00	-0.01	0.00	0	27	2	sw.	G. I. Marvin.	
Fontana.	San Bernardino.	1,325	7	74.8	.....	105	+23	45	31	44	0.00	0.00	0	0	29	2	sw.	Fontana Land Co.	
Fort Bidwell.	Modoc.	4,375	30	79.2	+0.1	101	9	47	7	48	0.01	-0.33	0.01	0	17	10	4	sw.	C. R. Decious.
FRESNO.	Fresno.	293	32	82.9	+0.9	106	11	56	28	39	0.00	0	0.00	0	31	0	sw.	U. S. Weather Bureau.	
Grass Valley.	Nevada.	2,690	47	76.0	.....	97	8	52	25	32	0.00	-0.03	0.00	0	30	1	sw.	Mrs. L. M. Wentworth.	
Greenland Ranch.	Inyo.	-178	8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0	0	0	0	o.	O. A. Denton.
Hanford.	Kings.	249	19	83.2	+3.9	108	+8	56	+1	44	0.00	0	0.00	0	31	0	o.	Santa Fe Co.	
Healdsburg.	Sonoma.	110	26	68.8	-1.7	102	8	40	27	53	0.00	-0.03	0.00	0	18	0	13	s.	Dr. F. J. Kinley.
Hollister.	San Benito.	284	45	63.3	-3.9	89	7	44	1	42	0.00	-0.01	0.00	0	30	1	sw.	Grangers' Union.	
INDEPENDENCE.	Inyo.	3,957	23	79.6	+1.1	99	10	54	+29	36	T.	-0.12	T.	0	24	7	sw.	U. S. Weather Bureau.	
Indio.	Riverside.	-20	41	92.4	-2.1	114	9	67	31	35	0.39	+0.39	0.39	0	16	11	1	se.	U. S. Bureau Plant Ind.
Inskip.	Butte.	4,975	12	71.0	.....	90	18	50	+1	24	0.00	0.00	0	0	29	2	sw.	Pacific Gas & Electric Co.	
Kennett.	Shasta.	730	7	83.4	.....	113	18	52	29	48	T.	.....	T.	0	31	0	o.	A. J. Reef.	
King City.	Monterey.	333	32	69.2	+1.7	104	8	42	2	52	0.00	0	0.00	0	31	0	o.	Southern Pacific Co.	
La Porte.	Plumas.	5,000	25	60.8	-1.6	87	20	35	+35	50	0.00	-0.18	0.00	0	31	0	sw.	C. W. Hendel.	
Lemon Cove.	Tulare.	600	24	83.0	+1.4	109	8	53	2	44	0.00	-0.01	0.00	0	31	0	o.	T. E. Bence.	
Lick Observatory.	Santa Clara.	4,209	39	71.1	+2.0	88	+7	54	+29	22	T.	0	T.	0	30	1	sw.	The Director.	
Lindsay.	Tulare.	384	5	81.0	.....	109	8	51	29	48	T.	.....	T.	0	24	7	sw.	Basil Prior.	
Lone Pine.	Inyo.	3,728	14	75.2	+0.6	100	16	47	31	49	0.73	+0.64	0.73	0	17	4	sw.	G. F. Marsh.	
LOS ANGELES.	Los Angeles.	293	42	71.0	+0.6	87	23	55	1	25	0.00	0	0.00	0	26	5	sw.	U. S. Weather Bureau.	
McCloud.	Siskiyou.	8,270	9	65.6	.....	97	20	33	29	59	0.00	0.00	0	0	30	1	sw.	McCloud River Lbr. Co.	
Madelaine.	Lassen.	5,270	10	67.3	.....	95	+6	35	27	51	0.10	0.10	0	0	24	4	sw.	J. H. Williams.	
Marysville.	Yuba.	67	48	76.8	-3.2	106	8	50	30	44	0.00	0	0.00	0	30	1	sw.	Southern Pacific Co.	
Mecca.	Riverside.	-185	13	92.2	+2.8	113	25	73	6	32	0.00	-0.53	0.00	0	19	4	sw.	Cooperative Date Garden.	
Merced.	Merced.	173	45	79.4	-2.3	107	8	52	30	43	0.00	-0.01	0.00	0	31	0	sw.	Santa Fe Co.	
MOUNT TAMALPAIS.	Marin.	2,375	20	68.0	-2.5	90	8	43	28	26	T.	-0.01	T.	0	28	3	sw.	U. S. Weather Bureau.	
Mount Wilson.	Los Angeles.	5,704	2	73.5	.....	92	24	54	29	25	T.	.....	T.	0	29	2	sw.	Wendell P. Hoge.	
Napa.	Napa.	20	42	64.8	-2.8	98	7	46	17	50	0.00	-0.01	0.00	0	27	4	s.	State Hospital.	
Needles.	San Bernardino.	477	27	95.8	+1.2	117	25	72	18	40	0.34	+0.07	0.22	0	35	9	7	sw.	Santa Fe Co.
Nevada City.	Nevada.	2,850	27	67.3	-1.5	96	8	37	+28	50	0.00	-0.03	0.00	0	26	4	1	sw.	B. H. Preston.
Newman.	Stanislaus.	91	30	75.4	-6.6	104	+8	45	27	47	0.00	0.00	0	0	26	4	1	sw.	E. S. Wangenheim.
Oakland.	Alameda.	322	43	60.9	-0.9	84	+7	50	4	23	0.09	+0.07	0.09	0	1	22	5	w.	Chabot Observatory.
Orland.	Glenn.	254	37	80.8	-5.6	111	17	51	29	44	0.00	-0.01	0.00	0	29	2	sw.	U. S. Rec. Service.	
Oroville (near).	Butte.	250	35	78.2	-2.0	108	+9	50	+2	46	0.00	-0.02	0.00	0	31	0	o.	Thomas Cole.	
Pasadena.	Los Angeles.	868	29	73.7	+2.3	100	23	47	30	47	0.00	0.00	0	0	30	1	sw.	Morris S. Jones.	
Paso Robles.	San Luis Obispo.	800	32	71.7	-0.3	108	+11	38	1	61	0.00	0.00	0	0	31	0	o.	E. J. Nye.	
Petaluma.	Sonoma.	9	5	63.2	.....	94	+7	39	+1	48	0.00	-0.01	0.00	0	29	2	sw.	John Landis.	
Placerville.	El Dorado.	1,925	30	72.4	-0.2	105	7	41	27	52	T.	-0.02	T.	0	28	0	3	w.	O. E. Bailey.
POINT REYES.	Marin.	490	21	52.8	-0.7	71	7	45	2	24	T.	-0.07	T.	0	7	5	19	sw.	U. S. Weather Bureau.
Pomona.	Los Angeles.	857	5	74.0	.....	104	23	45	1	48	0.00	0.00	0	0	22	0	sw.	J. E. Adamson.	
Porterville.	Tulare.	464	30	83.2	-1.6	108	8	56	+29	43	0.00	-0.03	0.00	0	31	0	o.	Leslie McAliffe.	
Portola.	Plumas.	4,832	4	64.9	.....	99	9	23	30	67	0.00	0.00	0	0	30	1	sw.	Western Pacific Co.	
RED BLUFF.	Tehama.	307	42	82.6	+0.5	108	18	54	29	40	0.00	0	0.00	0	31	0	o.	U. S. Weather Bureau.	
Redding.	Shasta.	552	44	81.6	-0.7	109	18	50	2	43	0.00	-0.08	0.00	0	2				

**Daily Precipitation for July, 1919.**

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.

||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. \* Precipitation included in the next following measurement. † Separate dates of fall not recorded. T., trace, or less than 0.01 inch.

## Daily Temperature for July, 1919.

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.....	Maximum.....	96	97	100	100	99	98	103	100	105	103	105	104	105	105	106	106	105	102	104	103	102	96	100	103	100	96	95	96	95	101.2		
	Minimum.....	58	59	60	60	63	62	66	71	77	72	71	70	69	71	72	71	74	76	73	71	72	68	66	65	66	69	65	58	58	67.3		
Calexico.....	Maximum.....	100	104	108	101	98	101	104	105	111	102	100	105	105	103	98	94	100	100	105	108	107	110	110	103	99	101	105	107	98	103.2		
	Minimum.....	77	77	73	77	78	76	76	81	78	84	79	78	77	79	81	73	77	78	76	78	81	82	81	80	79	78	76	80	78.2			
Chico.....	Maximum.....	90	92	101	97	92	97	105	110	104	105	105	101	104	103	105	106	110	105	99	100	96	100	96	95	100	101	96	87	87	92	96	99.3
	Minimum.....	52	47	54	55	56	54	56	65	69	68	66	64	55	63	66	66	65	62	65	65	64	66	50	51	57	55	55	57	52	54	59.1	
Escondido.....	Maximum.....	83	85	86	83	83	86	92	94	92	93	84	84	86	86	87	87	82	82	81	82	84	89	96	94	92	83	87	81	83	88	86.2	
	Minimum.....	53	51	49	55	55	52	55	60	58	58	48	47	56	56	58	61	62	59	57	59	58	60	61	58	59	57	60	62	54	54	56.3	
Eureka.....	Maximum.....	57	57	55	53	59	59	64	63	65	59	58	59	58	58	60	62	62	56	54	55	58	52	53	54	56	56	57	59	58.1			
	Minimum.....	50	51	50	49	51	50	51	52	49	52	50	50	51	50	49	49	50	49	52	53	52	50	46	50	50	51	50	51	50	50.3		
Fresno.....	Maximum.....	94	94	99	99	95	97	102	106	104	105	106	102	100	103	105	106	103	99	101	102	101	99	99	90	89	94	94	94	99.9			
	Minimum.....	59	63	64	63	61	65	70	78	73	72	71	67	69	68	70	71	71	68	69	71	70	67	60	62	65	67	56	57	58	65.9		
Independence.....	Maximum.....	94	92	94	95	94	93	99	97	99	98	98	97	95	99	99	95	94	92	93	95	99	99	98	96	90	88	92	90	95.0			
	Minimum.....	58	56	59	60	62	58	62	64	72	67	71	72	69	72	72	71	66	70	65	66	67	63	64	61	62	64	57	56	64.1			
Los Angeles.....	Maximum.....	75	80	79	77	76	75	85	87	86	87	80	89	82	83	79	84	84	81	80	78	83	87	86	84	79	78	75	75	77	76	80.5	
	Minimum.....	55	57	56	57	56	55	60	64	63	62	62	64	63	63	66	64	62	63	66	67	63	61	61	60	62	57	60	61	64.4			
Merced.....	Maximum.....	90	92	96	95	93	94	101	107	101	106	106	100	105	100	102	104	105	100	102	99	99	97	95	95	99	100	94	85	87	91	97.9	
	Minimum.....	54	53	58	53	56	57	61	67	74	68	66	62	64	64	63	65	64	66	67	69	62	58	58	59	54	52	53	61.0				
Mount Tamalpais.....	Maximum.....	68	71	77	76	66	76	87	90	81	84	79	74	70	79	83	85	84	69	76	78	74	70	72	80	81	70	61	68	74	75.7		
	Minimum.....	54	57	63	63	58	58	69	76	72	68	64	60	55	61	70	75	58	59	64	60	46	46	63	63	58	43	45	57	56	60.3		
Oakland.....	Maximum.....	62	67	65	62	62	69	84	84	77	76	70	69	66	68	68	63	66	65	66	67	68	70	73	67	61	60	61	60	61	67.9		
	Minimum.....	52	53	52	50	51	52	63	63	61	53	54	52	54	54	53	53	54	53	54	53	53	54	53	53	54	53	53	54	53	58.9		
Orland.....	Maximum.....	90	91	99	98	91	97	106	107	105	104	104	103	104	104	107	111	109	102	103	99	99	97	94	100	101	95	86	87	91	89	99.2	
	Minimum.....	57	63	58	59	55	60	73	65	72	70	68	63	60	66	65	64	67	69	65	65	62	53	57	67	51	56	57	62	64	62.4		
Oroville.....	Maximum.....	90	87	90	97	94	90	95	102	108	104	105	104	105	105	100	101	102	108	103	100	100	97	98	94	93	91	83	85	90	97.0		
	Minimum.....	52	50	57	57	53	55	62	63	74	66	65	57	65	66	61	62	65	63	63	63	62	57	55	51	50	51	52	59.3				
Paso Robles.....	Maximum.....	92	90	96	96	92	96	101	103	103	101	108	98	90	88	92	105	108	95	91	88	97	98	100	103	101	101	89	78	77	92	95	95.5
	Minimum.....	38	39	42	42	43	46	44	48	45	54	53	50	52	50	51	53	45	50	54	55	52	54	42	45	44	46	48	48	47.9			
Point Reyes.....	Maximum.....	53	54	54	51	54	51	57	58	60	55	56	56	55	56	58	54	57	60	59	61	64	54	53	53	54	53	54	52	52	57.2		
	Minimum.....	47	46	47	47	45	47	48	49	49	49	48	49	47	49	48	47	45	50	50	52	51	49	49	48	47	48	47	48	48.4			
Pomona.....	Maximum.....	90	92	93	90	90	92	97	96	100	98	93	91	92	93	91	96	93	90	93	98	93	90	93	91	88	89	90	90	93	93.2		
	Minimum.....	45	47	48	48	52	48	57	56	57	56	56	50	57	56	50	57	56	50	57	56	56	50	57	56	51	51	54	54	54.9			
Porterville.....	Maximum.....	95	96	101	98	98	94	103	108	105	106	103	104	103	105	107	105	102	103	105	105	103	100	102	94	95	95	96	101.8				
	Minimum.....	58	57	58	62	62	61	67	74	68	71	69	66	69	70	71	71	68	68	66	64	64	65	58	56	58	64	67	64.7				
Red Bluff.....	Maximum.....	92	92	97	97	96	95	105	105	103	103	103	103	104	103	104	106	107	105	105	105	105	105	105	99	99	100	86	87	90	90	98.5	
	Minimum.....	59	58	62	66	62	64	70	75	75	74	69	66	70	72	68	72	68	69	69	68	65	57	59	76	65	55	60	67	66.7			
Redlands.....	Maximum.....	93	93	95	94	93	98	100	99	100	97	92	93	94	95	92	92	90	88	88	94	100	105	105	98	92	90	91	94.5				
	Minimum.....	52	54	54	54	54	56	59	64	66	61	61	62	64	63	62	62	63	63	63	63	62	64	62	62	62	53	53	59.9				
Sacramento.....	Maximum.....	79	86	91	82	80	92	102	106	93	100	96	91	92	93	95	100	101	92	91	91	86	88	80	77	95	97	77	79	82	84	89.6	
	Minimum.....	50	50	53	50	50	55	62	69	70	67	62	58	55	56	56	60	50	56	55	53	52	51	52	50	50	51	51	56.1				
San Bernardino.....	Maximum.....	94	96	95	94	97	100	98	100	101	97	94	94	94	95	98	95	94	91	92	95	102	107	106	100	95	93	93	93	96.2			
	Minimum.....	50	51	50	52	54	53	55	61	61	62	62	59	60	61	61	62	64	63	61	60	60	64	62	59	57	59	51	50	58.1			
San Diego.....	Maximum.....	68	73	72	72	69	70	74	77	79	77	72	73	75	73	75	72	72	73	74	75	76	77	78	77	72	72	71	72	73.5			
	Minimum.....	61	60	62	62	62	61	62	64	65	63	63	63	65	65	65	66	67	67	64	63	63	64	62	62	62	62	62	63.6				
San Francisco.....	Maximum.....	59	61	58	57	58	61	78	77	69	64	63	63	62	62	63	63	60	61	63	63	67	65	65	65	66	67	62.9					
	Minimum.....	50	49	47	48	49	49	54	51	51	52	50	48	50	53	50	54	53	53	50	57	52	53	51	51	52	51	51	51				