

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

## CALIFORNIA SECTION.

EDWARD A. BEALS, District Forecaster.

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SAN FRANCISCO, JULY, 1917.

No. 7.

## GENERAL SUMMARY.

The mean temperature and the average precipitation for July, 1917, were both above the normal in California. For the State as a whole, it was the hottest month in nine years. Along the coast it was generally pleasant, with more than the usual amount of sunshine, while in the interior valleys and desert regions it was an extremely hot month. Thunderstorms were of frequent occurrence in the mountains. Copious showers fell in the extreme south portion of the State on several days. However, as is usual during July, the average rainfall for the State as a whole was light, a total of 178 stations reporting no measurable precipitation. The total wind movement and the cloudiness were both about normal. Streams showed a rapid decline, and in some sections a shortage of water was keenly felt as early as the middle of the month.

The first decade of the month was moderately warm and almost entirely rainless. The second decade was one of excessive heat, particularly in the interior valleys and in the desert regions to the south. High humidity accompanied this hot wave. In the Imperial Valley alone, nine deaths were caused by the extreme heat and humidity of the 10th-16th. Thunderstorms accompanied by destructive lightning occurred almost daily in the high Sierra and in the mountains of southern California, and light showers frequently accompanied these. The last decade of the month, though somewhat cooler, was still hot in the interior, and moderately warm along the coast. Thunderstorms, generally accompanied by showers, continued to occur frequently in the elevated regions.

From an agricultural viewpoint, the weather during July was generally favorable. All irrigated fruit crops made good progress, except in a few restricted regions where the water supply was deficient. Corn, barley, rice, and sugar-beets showed a rapid growth. Truck crops, garden vegetables and pastures suffered, however, because of the excessive heat and the deficient rainfall, and there were more forest fires than usually occur during July. The weather was favorable for the harvesting of grain and the curing of hay and alfalfa. The walnut and citrus fruit crops will be large, though reduced somewhat by the hot spells of this and the preceding months. The calm, dry and hot weather which characterized the greater part of the month in the citrus fruit regions of the State was well adapted for the fumigation of the trees. The weather of the month was favorable for farm work generally. As far as personal comfort was concerned, it was a pleasant month, for while midday temperatures were high, the nights were cool and comfortable. At the close of the month the agricultural situation was satisfactory, and the outlook for the immediate future was favorable.

A. H. P.

## PRESSURE.

The monthly mean atmospheric pressure for the State, reduced to sea level, was 29.88 inches.

The highest was 30.19 inches at Eureka on the 9th.

The lowest was 29.61 inches at Fresno on the 4th, and at Red Bluff on the 12th.

The range for the State was 0.58 inch.

## TEMPERATURE.

The monthly mean temperature for the State was 75.8 degrees, which is 1.8 degrees above the normal.

The highest monthly mean was 95.6 degrees, at Wasco; and the lowest was 52.8 degrees, at Point Reyes.

The highest temperature, 119 degrees, occurred at Delta on the 18th; and the lowest, 23 degrees, occurred at Madeline on the 6th.

The range for the State was 96 degrees.

## PRECIPITATION.

The average precipitation for the State was 0.08 inch, or 0.04 inch above the normal.

The greatest monthly amount was 2.60 inches, at Sierraville. A total of 105 stations reported no precipitation.

The greatest amount in 24 hours was 2.00 inches at Elsinore on the 27th.

## RELATIVE HUMIDITY.—(Per Cent.)

Stations.	5 a.m.	5 p.m.	Mean.
Eureka.....	94	79	86
Fresno.....	41	13	27
Los Angeles.....	89	64	77
Mount Tamalpais.....	34	30	32
Red Bluff.....	42	12	27
Sacramento.....	73	24	48
San Diego.....	89	75	82
San Francisco.....	90	71	80
San Jose.....	81	47	64
San Luis Obispo.....	89	49	69

## SUNSHINE AND CLOUDINESS.

Stations.	Actual hours of sunshine.	Percent of the possible.
Eureka.....	247	54
Fresno.....	421	94
Los Angeles.....	354	81
Mount Tamalpais.....	422	94
Red Bluff.....	425	93
Sacramento.....	420	93
San Diego.....	286	65
San Francisco.....	361	89
San Jose.....	394	88
San Luis Obispo.....	348	79

## WIND MOVEMENT.—(Miles.)

Stations.	Total movement for month.	Average hourly velocity.	Maximum velocity.	Direction.	Date.
Eureka.....	4,827	6.5	25	sw.	26
Fresno.....	6,397	8.6	27	nw.	20
Los Angeles.....	4,240	5.7	17	sw.	30
Mount Tamalpais.....	11,615	15.6	64	nw.	20
Point Reyes.....	14,944	20.1	50	nw.	27
Red Bluff.....	3,089	4.2	15	se.	7
Sacramento.....	5,989	8.0	20	sw.	31
San Diego.....	4,842	5.8	21	nw.	8
San Francisco.....	9,307	12.5	57	sw.	11
San Jose.....	4,275	5.7	21	se.	8
San Luis Obispo.....	2,273	3.1	12	w.	12

The prevailing direction of the wind for the State was west.

## Climatological Data for July, 1917.

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.	Clear.	Partly cloudy.	Cloudy.	
Alturas.....	Modoc.....	4,400	13	71.4	+4.3	101	11	37	25	60	0.02	-0.75	0.02	0	1	27	4	0	sw.
Angiola.....	Tulare.....	208	17	85.0	+6.2	112	115	59	16	53	0.00	0	0.00	0	0	31	0	0	nw.
Antioch.....	Contra Costa.....	46	38	81.2	+5.4	105	20	56	30	37	0.00	0	0.00	0	0	31	0	0	s.
Arrowhead Springs.....	San Bernardino.....	2,000	8	77.3	-	96	16	54	5	34	0.10	0.10	0	1	25	0	6	.....	
Atascadero.....	San Luis Obispo.....	837	1	73.0	-	107	21	42	18	56	0.00	0.00	0	0	22	9	0	sw.	
Auberry.....	Fresno.....	2,050	1	82.6	-	104	16	59	28	38	0.00	0.00	0	0	27	4	0	nw.	
Auburn.....	Placer.....	1,360	46	82.4	+5.6	105	12	56	17	41	0.00	-0.01	0.00	0	0	29	2	0	ne.
Avalon.....	Los Angeles.....	30	7	67.2	-	84	39	53	8	21	T.	T.	0	0	29	1	1	w.	
Azusa.....	do.....	540	15	79.6	+6.2	104	41	91	51	62	+0.02	0.02	0	1	27	4	0	sw.	
Bagdad.....	San Bernardino.....	784	14	95.5	-0.8	115	20	75	29	31	0.00	-0.26	0.00	0	0	31	0	0	do.
Bakersfield.....	Kern.....	404	28	85.6	+0.3	110	13	51	1	51	0.00	-0.01	0.00	0	0	8	0	23	s.
Barrett Dam.....	San Diego.....	1,600	0	73.4	-	104	10	40	-16	54	T.	T.	0	0	21	6	4	n.	
Barstow.....	San Bernardino.....	2,105	14	86.4	+3.0	112	23	73	4	45	0.21	+0.09	0.20	0	2	21	6	4	w.
Berkley.....	Alameda.....	317	30	63.2	+1.9	92	21	51	1	37	T.	-0.02	T.	0	0	16	14	1	sw.
Betteravia.....	Santa Barbara.....	155	4	64.7	-	92	28	40	11	52	0.00	0.00	0	0	31	0	0	do.	
Bishop.....	Inyo.....	4,450	22	63.6	-	82	44	38	9	43	0.45	-0.04	0.19	0	7	9	8	14	s.
Bishop Creek.....	Placer.....	8,390	7	68.5	+3.3	98	13	40	6	47	0.00	-0.04	0.00	0	0	31	0	0	southern Pacific Co.
Blue Canou.....	Riverside.....	4,695	18	68.5	+3.3	116	14	70	30	34	T.	T.	0	0	15	12	4	s.	
Blythe.....	Bonita.....	268	9	93.6	-	86	26	55	14	27	T.	T.	0	0	18	8	5	w.	
Branscomb.....	Mendocino.....	2,000	17	71.2	+4.5	99	12	40	28	46	0.00	-0.12	0.00	0	0	31	0	0	n.
Brawley.....	Imperial.....	-105	7	92.4	-	115	20	69	14	25	-0.25	0.25	0	1	12	10	9	w.	
Bridgport.....	Mono.....	6,500	3	58.4	-	85	11	34	1	43	0.49	-0.43	0	0	25	6	2	do.	
Burney.....	Shasta.....	3,300	7	66.7	-	99	12	34	16	55	0.25	-0.20	0	0	29	2	0	s.	
Cahuilla.....	Riverside.....	3,600	6	68.1	-	97	14	23	6	69	1.60	-0.08	0.80	0	0	21	5	5	sw.
Calaveras Ranger Sta.....	Calaveras.....	3,400	1	73.5	-	98	12	42	9	46	T.	T.	0	0	26	2	3	sw.	
Calexico.....	Imperial.....	0	12	91.3	+1.8	113	20	70	8	37	0.20	+0.13	0.15	0	2	13	10	8	n.
Campbell.....	Santa Clara.....	217	20	65.6	+0.7	99	21	38	1	54	T.	0	0	0	0	30	0	1	nw.
Camptonville (near).....	Yuba.....	3,500	10	77.0	-	100	11	54	1	40	T.	T.	0	0	28	1	2	w.	
Canon Dam.....	Plumas.....	4,570	3	72.4	-	102	19	42	27	54	0.12	+0.12	0.11	0	0	25	5	1	n.
Cascade.....	Fresno.....	4,900	23	75.1	+5.5	89	111	51	78	41	T.	-0.32	T.	0	0	25	6	2	do.
Cedarville.....	Modoc.....	4,675	23	75.1	+5.5	89	111	51	52	48	0.00	-0.03	0.00	0	0	29	2	0	s.
Chico.....	Butte.....	490	3	76.4	-	103	15	51	1	46	0.00	-0.03	0.00	0	0	29	2	0	nw.
China Flat.....	Humboldt.....	189	47	82.0	-1.9	111	111	52	26	48	0.00	-0.03	0.00	0	0	29	2	0	s.
Churn Creek.....	Shasta.....	600	8	74.3	-	103	13	45	24	46	0.16	-0.16	0.00	0	0	28	3	0	nw.
Cloverdale.....	Los Angeles.....	550	0	83.5	-	115	11	52	11	56	0.00	0.00	0	0	30	1	0	sw.	
Clovis.....	Sonoma.....	340	15	73.8	+2.0	106	20	45	25	52	0.00	0.00	0	0	31	0	0	s.	
Coalinga.....	Fresno.....	400	0	86.6	-	113	20	58	11	50	0.00	0.00	0	0	23	8	0	n.	
Colfax.....	Placer.....	663	5	87.2	-	111	13	57	9	45	T.	T.	0	0	27	4	0	do.	
Colusa.....	Colusa.....	2,421	46	79.2	+3.9	100	12	56	27	36	0.00	-0.02	0.00	0	0	29	1	1	sw.
Converse Nursery.....	San Bernardino.....	6,000	3	78.2	-	103	16	54	8	41	T.	-0.03	T.	0	0	20	8	3	nw.
Corona.....	Riverside.....	615	3	78.2	-	103	16	54	8	41	T.	-0.03	T.	0	0	27	2	2	nw.
Crescent City.....	Del Norte.....	125	3	59.3	+3.4	82	31	41	6	34	0.00	-0.28	0.00	0	0	27	2	2	do.
Cuyamaca.....	San Diego.....	4,677	18	73.0	+5.8	89	17	54	16	33	1.17	+0.90	0.90	0	5	23	5	3	sw.
Davis.....	Yolo.....	51	45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	do.
Dee Creek.....	Nevada.....	3,700	10	69.0	-	95	13	41	27	48	0.00	-0.03	0.00	0	0	27	0	4	sw.
Del Monte.....	Monterey.....	25	6	59.8	-	82	23	46	2	30	0.00	-0.03	0.00	0	0	26	3	2	nw.
Delta.....	Shasta.....	1,138	32	79.0	+0.6	119	18	49	5	60	0.00	-0.11	0.00	0	0	31	0	0	southern Pacific Co.
Denair.....	Stanislaus.....	126	17	79.4	+2.2	105	12	52	28	47	0.00	-0.03	0.00	0	0	30	0	1	n.
De Sabla.....	Butte.....	2,700	13	76.2	+2.9	105	11	46	27	51	0.00	-0.03	0.00	0	0	31	0	0	sw.
Dobbins (near).....	Yuba.....	1,650	13	82.0	+2.5	106	20	56	27	49	0.00	-0.02	0.00	0	0	26	4	1	s.
Downieville.....	Sierra.....	3,150	6	70.8	-	99	11	39	27	53	0.13	-0.13	0.13	0	1	28	3	0	s.
Dudley.....	Kings.....	595	5	87.8	-	111	13	62	8	43	T.	T.	0	0	22	9	0	nw.	
Dudleys.....	Marioposa.....	3,000	8	71.0	-	97	20	41	28	50	T.	T.	0	0	23	8	0	s.	
Durham.....	Butte.....	160	22	79.0	+0.5	108	16	51	29	50	T.	-0.01	T.	0	0	29	2	0	do.
East Park.....	Colusa.....	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	do.
Edison.....	Kern.....	2,500	3	89.1	-	109	16	72	5	45	0.00	-0.04	0.00	0	0	25	6	0	sw.
El Cajon.....	San Diego.....	482	18	75.0	+2.4	94	24	53	7	37	T.	-0.10	T.	0	0	24	7	0	sw.
Electra.....	Amador.....	725	13	79.4	-0.6	106	12	52	27	46	0.00	-0.04	0.00	0	0	29	2	0	sw.
Elsinore.....	Riverside.....	1,300	1	81.6	-	105	11	57	16	44	2.10	-0.03	0.00	0	0	28	0	3	se.
Emigrant Gap.....	Placer.....	5,230	43	74.0	+6.5	93	111	53	28	32	0.00	-0.03	0.00	0	0	29	2	0	sw.
Escondido.....	San Diego.....	657	23	74.0	+1.7	96	1	44	31	41	0.07	+0.06	0.07	0	1	21	1	1	w.
EUREKA.....	Humboldt.....	64	31	54.8	-0.5	67	26	48	23	15	0.00	-0.09	0.00	0	0	6	16	9	n.
Folsom.....	Sacramento.....	252	44	85.1	+5.2	111	13	59	5	43	T.	-0.01	T.	0	0	29	2	0	sw.
Fontana.....	San Bernardino.....	1,325	5	77.9	-	103	1	51	8	47	0.02	-0.02	0.02	0	1	23	7	1	sw.
Fordyke Dam.....	Nevada.....	6,500	22	94.9	92	12	38	1	47	0.62	+0.29	0.62	0	1	17	14	0	sw.	
Fort Bidwell.....	Modoc.....	4,375	28	72.8	+0.9	111	43	51	14	46	0.21	-0.13	0.21	0	1	24	5	2	nw.
FRESNO.....	Fresno.....	293	30	86.0	+4.0	109	13	60	27	38	T.	0	0	0	0	27	4	0	nw.
Glennnville.....	Kern.....	3,300	7	74.6	-	97	16	44	1	49	0.00	0.00	0	0	0	22	9	0	w.
Gold Run.....	Placer.....	3,222	18	78.8	+2.8	100	13	56	1	31	T.	0	0	0	0	31	0	0	sw.
Grass Valley.....	Nevada.....	2,690	45	78.9	-	98	11	54	27	32	T.	-0.03	0.00	0	0	29	0	2	w.
Gray Mountain.....	San Bernardino.....	3,000	3	83.2	-	106	11	51	3	49	0.82	-0.03	0.34	0	3	27	2	2	sw.
Greenland Ranch.....	Inyo.....	-178	6	82.2	-	109	11	53	8	50	T.	-0.04	0.00	0	0	29	0	2</td	

## Climatological Data for July, 1917.—Continued.

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.	Snowfall (unmelted).						
Lone Pine.....	Inyo.....	3,728	12	74.8	+0.2	100	15	45	6	53	T.	-0.09	T.	0	0	24	7	0	s.	
LOS ANGELES.....	Los Angeles.....	293	40	72.3	+4.9	88	1	60	26	26	T.	-0.02	T.	0	0	19	8	4	sw.	
Los Gatos.....	Santa Clara.....	600	36	72.4	+4.6	106	20	48	27	48	T.	0	T.	0	0	31	1	0	n.	
McCloud.....	Siskiyou.....	3,270	7	67.4	.....	97	12	35	27	53	0.00	.....	0.00	0	0	30	1	0	nw.	
Madeline.....	Lassen.....	5,270	8	66.1	.....	95	12	37	9	50	0.08	.....	0.05	0	0	23	4	4	s.	
Magalia.....	Butte.....	2,321	13	77.0	+3.4	103	12	52	28	44	0.00	.....	-0.02	0.00	0	0	26	0	5	n.
Maricopa.....	Kern.....	640	6	89.9	.....	117	13	68	12	45	0.00	.....	0.00	0	0	31	0	0	n.	
Marysville.....	Yuba.....	67	46	80.8	+0.8	108	19	27	29	49	T.	0	T.	0	0	28	2	1	s.	
Mecca.....	Riverside.....	-185	11	92.8	+3.4	112	14	73	15	36	0.15	-0.38	0.15	0	1	20	9	2	se.	
Merced.....	Merced.....	173	43	83.0	+1.3	108	13	51	1	46	0.00	-0.01	0.00	0	0	27	2	2	nw.	
Middlewater.....	Kern.....	803	6	84.9	.....	112	13	56	15	50	T.	.....	T.	0	0	24	3	4	uw.	
Mill Creek—1.....	Amador.....	2,500	10	71.1	.....	93	11	46	1	43	0.00	.....	0.00	0	0	26	5	0	n.	
Milton (near).....	Calaveras.....	660	26	82.6	+4.7	109	20	55	8	43	T.	0	T.	0	0	29	2	2	.....	
Mokelumne Hill.....	Calaveras.....	1,550	24	80.6	+3.8	104	12	50	27	42	0.00	0	0.00	0	0	25	2	4	.....	
Montague.....	Siskiyou.....	2,450	29	75.0	+3.8	106	13	34	27	54	0.17	-0.06	0.14	0	3	23	7	1	n.	
MOUNT TAMALPAIS.....	Marin.....	2,375	18	74.0	+3.5	94	20	44	8	26	0.02	+0.01	0.02	0	0	29	1	0	U. S. Weather Bureau.	
Mount Wilson.....	Los Angeles.....	5,850	0	74.5	.....	94	1	57	28	25	T.	.....	T.	0	0	17	14	0	Solar Observatory.	
Napa.....	Napa.....	20	40	69.5	+1.9	107	120	44	27	57	0.00	-0.01	0.00	0	0	27	4	0	State Hospital.	
Needles.....	San Bernardino.....	477	25	94.8	+0.2	115	18	74	41	54	0.54	+0.27	0.18	0	4	12	15	4	Santa Fe Co.	
Neille.....	San Diego.....	5,350	8	76.0	.....	94	112	58	13	30	0.90	.....	0.81	0	2	11	6	14	Esther P. Hewlett.	
Nevada City.....	Nevada.....	2,850	25	70.0	+1.2	97	111	40	27	50	0.02	-0.01	0.02	0	1	27	4	0	B. H. Preston.	
Newman.....	Stanislaus.....	91	28	79.4	-2.6	106	112	49	9	47	0.00	0	0.60	0	0	27	2	2	E. S. Wangenheim.	
North Bloomfield.....	Nebraska.....	3,214	13	74.8	+3.3	100	111	48	27	45	0.00	-0.07	0.00	0	0	27	0	4	J. R. McIntosh.	
North Fork.....	Madera.....	3,000	13	84.1	.....	110	14	54	27	40	T.	-0.09	T.	0	0	27	2	2	U. S. Forest Service.	
Oak Grove.....	San Diego.....	2,751	28	74.6	.....	101	12	42	3	59	1.14	0.79	0.79	0	2	19	6	15	Chabot Observatory.	
Oakland.....	Alameda.....	36	41	65.0	+3.2	95	21	51	17	33	T.	-0.02	T.	0	0	15	16	0	H. D. Brodie.	
Oceanside.....	San Diego.....	60	7	67.2	.....	74	23	59	10	10	T.	0	T.	0	0	23	6	2	W. H. Duncan.	
Ojai Valley.....	Ventura.....	900	11	77.9	+6.7	100	10	50	8	43	0.01	+0.01	0.01	0	1	28	3	0	U. S. Rec. Service.	
Orland.....	Glenn.....	254	35	84.8	-1.6	114	15	55	9	48	0.00	-0.01	0.00	0	0	27	0	4	F. W. Gent.	
Orleans.....	Humboldt.....	376	14	75.6	-4.0	104	113	48	24	44	T.	-0.18	T.	0	0	28	2	1	E. D. Fairchild.	
Oroville (near).....	Butte.....	250	33	83.0	+2.8	109	111	50	27	46	T.	-0.02	T.	0	0	27	1	3	R. P. Hamlin.	
Pasadena.....	Los Angeles.....	1,085	27	74.6	+3.2	96	10	53	9	42	T.	0	T.	0	0	17	13	1	Virginia Bartlett.	
Paso Robles.....	San Luis Obispo.....	800	30	76.4	+4.4	113	21	42	8	61	0.00	0	0.00	0	0	29	2	0	E. H. Parnell.	
Peachland.....	Sonoma.....	190	21	67.2	+1.6	105	20	40	25	59	T.	-0.02	T.	0	0	30	1	0	John Landis.	
Petaluma.....	do.....	3	66.8	.....	101	20	43	124	54	0.00	-0.01	0.00	0	0	30	1	0	Western States G. & E. Co.		
Placerville.....	El Dorado.....	1,875	28	74.6	+3.2	101	12	42	3	59	1.14	0.79	0.79	0	2	19	6	15	Fred J. Dick.	
Point Loma.....	San Diego.....	302	11	67.6	+1.0	76	30	61	11	41	0.00	-0.07	0.00	0	0	12	14	5	nw.	
POINT REYES.....	Marin.....	490	25	52.8	-0.7	62	22	45	3	16	T.	-0.07	T.	0	0	1	8	22	U. S. Weather Bureau.	
Pomona.....	Los Angeles.....	857	3	75.8	.....	100	1	49	9	48	0.00	.....	0.00	0	0	12	10	9	J. E. Adamson.	
Porterville.....	Tulare.....	464	28	85.1	+0.3	107	113	61	41	50	0.00	-0.03	0.00	0	0	24	7	0	Leslie McAluliffe.	
Portola.....	Plumas.....	72	70	2.2	.....	98	15	38	7	49	0.00	.....	0.00	0	0	31	0	0	Western Pacific Co.	
Quince.....	do.....	3,400	22	67.8	+2.5	99	12	36	1	53	T.	-0.10	T.	0	0	26	5	0	D. N. Rogers.	
RED BLUFF.....	Tehama.....	307	40	54.8	+2.7	110	12	58	27	41	0.00	-0.03	0.00	0	0	27	4	0	U. S. Weather Bureau.	
Redding.....	Shasta.....	552	42	84.8	+2.5	111	11	58	18	45	T.	-0.08	T.	0	0	30	0	1	J. H. Buick.	
Redlands.....	San Bernardino.....	1,352	21	70.0	+1.6	101	9	55	8	43	0.65	-0.63	0.57	0	0	27	6	8	P. W. Moore.	
Reedley.....	Fresno.....	347	17	82.6	+0.6	109	43	48	1	56	0.00	0	0.00	0	0	29	1	1	Santa Fe Co.	
Rialto (near).....	San Bernardino.....	2,250	11	78.0	+2.2	100	49	56	31	38	T.	-0.13	T.	0	0	17	10	4	So. Cal. Edison Co.	
Riverside.....	San Francisco.....	851	35	77.4	+1.1	103	1	50	9	52	0.10	+0.08	0.10	0	0	19	11	1	J. H. D. Cox.	
Rocklin.....	San Jacinto.....	249	46	76.8	-3.2	108	11	45	29	55	0.00	-0.02	0.00	0	0	30	0	1	Southern Pacific Co.	
Rohnerville.....	San Joaquin.....	75	14	61.0	.....	82	25	40	10	37	0.00	-0.11	0.00	0	0	29	0	2	W. D. Gray.	
Rosamond.....	Kern.....	2,319	0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0	0	27	4	0	B. A. Munn.	
Ruth.....	Trinity.....	2,925	3	71.6	.....	107	13	41	26	53	T.	.....	T.	0	0	29	2	0	U. S. Forest Service.	
SACRAMENTO.....	Sacramento.....	71	40	78.6	+6.1	107	20	52	9	45	T.	0	T.	0	0	28	3	0	U. S. Weather Bureau.	
St. Helena.....	Napa.....	255	9	71.6	.....	106	20	44	14	55	0.00	.....	0.00	0	0	31	0	0	W. F. Bonhorne.	
Salinas.....	Monterey.....	40	43	61.4	-1.3	84	21	46	2	32	0.00	0	0.00	0	0	22	8	1	Dr. E. D. Eddy.	
San Bernardino.....	San Bernardino.....	1,054	25	70.0	+3.4	103	1	53	48	49	0.21	+0.17	0.15	0	0	25	15	1	Dr. A. K. Johnson.	
San DIEGO.....	San Diego.....	87	46	68.9	+2.0	78	2	61	7	15	T.	-0.01	T.	0	0	14	13	4	U. S. Weather Bureau.	
SAN FRANCISCO.....	San Francisco.....	207	46	59.8	+2.5	88	21	49	3	32	T.	-0.02	T.	0	0	21	10	0	do.	
San Jacinto.....	Riverside.....	1,550	24	80.2	+3.9	104	19	54	8	45	0.92	+0.81	0.92	0	0	23	8	0	E. T. Tanner.	
SAN JOSE.....	San Jose.....	95	42	69.9	-3.0	102	21	48	27	46	T.	0	T.	0	0	30	1	0	U. S. Weather Bureau.	
SAN LUIS OBISPO.....	San Luis Obispo.....	201	23	66.3	+3.1	89	10	43	1	43	0.01	+0.01	0.01	0	0	27	4	0	James R. Moore.	
San Miguel Island.....	Santa Barbara.....	500	23	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0	0	31	0	0	R. L. Busby.	
Santa Ana.....	Orange.....	133	0	74.2	.....	93	1	56	8	31	0.00	0.00	0.00	0	0	26	5	0	G. W. Russell.	
Santa Barbara.....	Santa Barbara.....	130	23	71.0	+5.8	90	10	55	10	35	T.	-0.02	T.	0	0	26	2	1	Santa Clara University.	
Santa Clara.....	Santa Clara.....	90	28	68.6	+4.3	103	21	45	10	52	T.	0	T.	0	0	30	0	1	W. R. Springer.	
Santa Cruz.....	Santa Cruz.....	20	49	63.0	-0.9	88	22	43	1	42	0.00	-0.01	0.00	0	0	25	5	1	F. E. Hill.	
Santa Monica.....	Los Angeles.....	110	24	62.6	.....	76	9	50	16	24	T.	0	T.	0	0	24	3	4	Southern Pacific Co.	
Santa Rosa.....	Sonoma.....	181	28	66.9	+0.6	111	22	42	12	69	0.00	-0.05	0.00	0	0	31	0	0	W. H. Glass.	
Seven Oaks.....	San Bernardino.....	5,000	7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0	0	26	5	0	Spreckels Sugar Co.	
Sierra Madre.....	Springville (near).....	1,400	20	75.4	+2.9	94	19	57	17	35	T.	-0.01								

## Climatological Data for July, 1917.—Continued.

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.	Snowfall (unmelted).	Precipitation of 0.1 inch or more.	Partly cloudy.	Cloudy.		
Weitchpec .....	Humboldt .....	1,700	7	70.0	-	98	12	46	19	48	0.00	-	0.00	0	0	28	0	3	n. s. Garnett.
West Branch .....	Butte .....	3,216	3	70.0	+5.1	107	20	53	27	44	T.	-0.01	T.	0	0	23	4	2	Pacific Gas & Electric Co.
Wheatland .....	Yuba .....	84	30	81.8	-0.3	112	15	52	27	50	T.	0	T.	0	0	31	0	0	Wm. Lumbard.
Willows .....	Glenn .....	136	38	82.6	-0.3	112	15	52	27	50	T.	0	T.	0	0	24	7	0	s. s. F. E. Barnhouse.
Yorba Linda .....	Orange .....	405	3	74.6	-	95	1	52	9	39	T.	-	T.	0	0	24	7	0	s. S. J. Walker.
Yosemite .....	Madera .....	3,960	13	75.7	+6.7	96	12	42	2	43	0.76	+0.56	0.36	0	3	13	15	3	Supt. National Park.
Yreka .....	Siskiyou .....	2,625	28	72.4	+2.0	104	13	40	+27	55	T.	-0.40	T.	0	0	22	5	4	U. S. Forest Service.
Means and Extremes .....	.....	.....	75.8	+1.8	119	18	23	6	69	0.08	+0.04	2.00	0	0	24	5	2	w.	

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.

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.

## COMPARATIVE DATA FOR JULY.

## MEAN MONTHLY TEMPERATURE FOR THE STATE

1897.....	74.5	1908.....	76.4
1898.....	81.4	1909.....	71.2
1899.....	77.9	1910.....	75.5
1900.....	75.9	1911.....	74.1
1901.....	76.0	1912.....	71.0
1902.....	72.8	1913.....	73.1
1903.....	71.2	1914.....	72.4
1904.....	72.2	1915.....	72.7
1905.....	74.8	1916.....	70.3
1906.....	76.8	1917.....	75.8
1907.....	73.1	.....	.....

## AVERAGE PRECIPITATION FOR THE STATE.

1897.....	0.01	1908.....	0.04
1898.....	T.	1909.....	0.06
1899.....	T.	1910.....	0.10
1900.....	T.	1911.....	0.10
1901.....	0.01	1912.....	0.06
1902.....	0.07	1913.....	0.46
1903.....	0.03	1914.....	0.06
1904.....	0.09	1915.....	0.06
1905.....	0.01	1916.....	0.31
1906.....	0.04	1917.....	0.06
1907.....	0.03	.....	.....

## HOURS OF FOG FOR JULY.

(Data furnished by U. S. Lighthouse Inspector.)

Stations.	Hours.	Stations.	Hours.
Alcatraz Island (north side) .....	82.3	Oakland Harbor .....	0
Alcatraz Island (south side) .....	105.2	Piedras Blancas .....	356.2
Angel Island .....	13.4	Pigeon Point .....	151.4
Ano Nuevo Island .....	150.2	Point Arena .....	301.2
Ballast Point .....	2.3	Point Arguello .....	357.1
Bimnts Reef Light Vessel .....	251.4	Point Blunt .....	72.4
Bonita Point .....	144.6	Point Cabrillo .....	280.2
Carquinez Strait .....	5.4	Point Conception .....	111.4
East Brother Island .....	2.3	Point Hueneme .....	44.2
Farallon Island .....	171.2	Point Loma .....	6.0
Fort Point .....	133.4	Point Montara .....	156.4
Goat Island .....	1.0	Point Reyes .....	370.2
Humboldt Bay .....	141.2	Point Stuart .....	6.6
Humboldt Table Bluff .....	253.2	Punta Gorda .....	304.2
Immigration Sta., San Francisco .....	0	Roe Island .....	134.3
La Playa .....	1.3	Saint George Reef .....	135.4
Lime Point .....	115.3	San Francisco Light Vessel .....	239.2
Los Angeles Outer Harbor .....	28.2	San Luis Obispo .....	345.2
Los Angeles Inner Harbor .....	4.4	Southampton Shoal .....	14.0
Mare Island .....	5.4	.....	.....
Mile Rocks .....	136.1	.....	.....

## DELAYED REPORTS.

Stations.	Month.	Temperature.				Total precipitation.
		Mean	Max.	Date.	Min.	
Walnut Creek .....	May.	.....	.....	.....	.....	0.02
Bishop .....	June.	69.4	93	115	38	5
Campbell .....	"	59.0	94	19	38	0.00
Reedley .....	"	72.2	108	115	44	6
Walnut Creek .....	"	.....	.....	.....	.....	0.00

## DATES OF MISCELLANEOUS PHENOMENA.

*Thunderstorms.*—Alturas, 15, 16, 17; Big Bar, 14, 16, 17, 18; Bishop Creek, 13, 14, 15, 18, 23, 27, 29; Cabuilla, 23, 28; Campo, 22, 23, 30; Camptonville, 14; Canon Dam, 14, 16; Cedarville, 13; Chester, 13, 14, 15, 16; China Flat, 16, 17; Corona, 26, 27; Covelo, 16; Cuyamaca, 12, 13, 14, 15, 18, 21, 22, 23, 24, 25, 26, 27; Deer Creek, 13; Downieville, 14; Duleys, 13, 14, 15, 16, 31; Elsinore, 26, 27; Fairmont, 27; Fresno, 16; Happy Camp, 14, 15; Hayfork, 15, 16, 17; Hot Springs, 15; Hullville, 14, 16; Independence, 12, 14, 15, 16, 18, 19, 22; Lone Pine, 15, 27, 28, 29; McKinney, 13, 14, 15, 16; Madeline, 13, 14, 15; Markleeville, 14, 15, 16; Middlewater, 16; Mill Creek (No. 2), 26, 27, 30; Montague, 14, 15, 16, 17; Needles, 16, 22, 26, 27, 29; Nellie, 10, 11, 15, 17, 22, 23, 24, 26, 27, 29, 30; Nevada City, 14; North Bloomfield, 14; Oak Grove, 27, 29; Orleans, 16, 17; Pattiway, 27; Riverside, 27; Ruth, 16, 17; San Bernardino, 26; San Diego, 17, 27; San Luis Obispo, 24; Sierraville, 16; Squirrel Inn, 26, 27; Stanwood, 14; Sterling, 24, 29, 30, 31; Tamarack, 12, 13, 14, 15, 16; Three Rivers, 12, 13, 14, 15, 16, 31; Towle, 14; Wells Meadows, 29; Yreka, 14, 16, 17.

*Earthquakes.*—Bishop, 8; Calexico, 15; Ferndale, 21; Mount Wilson, 15; Owenyo, 7; Santa Maria, 2, 26.

**Daily Precipitation for July, 1917.**

Stations.	Watersheds.	Day of Month.																																
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total.	
Abbotts	Coast																																	
Aguanga	do																																	.35
Alder Creek	do																																.55	
Alturas	Sacramento																																	.02
Angiola	San Joaquin																																	.00
Antelope Valley	do																																	.00
Antioch	do																																	.00
Arrowhead Sprgs.	Coast																																	.10
Arroyo Seco For. S.	do																																	T.
Atascadero	do																																	.00
Auberry	San Joaquin																																	.00
Auburn	Sacramento																																	.00
Avalon	Ocean																																	.00
Azusa	Coast																																	.02
Bagdad	Desert																																	.00
Bakersfield	San Joaquin																																	.00
Barrett Dam	Coast																																	T.
Barstow	Desert																																	.02
Bear Valley Dam	San Joaquin																																	.21
Beaumont	Coast																																	.99
Beaumont (near)	do																																	.08
Belotta	San Joaquin																																	.25
Berkeley	Coast																																	.48
Betteravia	do																																	T.
Bir Bar	Sacramento																																	.00
Bijou	San Joaquin																																	.15
Bishop	Owens..																																	.00
Bishop Creek	do																																	.45
Blue Canon	Sacramento																																	.00
Blythe	Colorado																																	T.
Bonita	Coast																																	.00
Bowman's Dam	Sacramento																																	.00
Branscomb	Coast																																	.00
Brawley	Desert																																	.25
Bridgeport	Mountain Lakes																																	.25
Burney	Sacramento																																	.49
Cahuilla	Coast																																	.25
Calaveras R. S.	San Joaquin																																	.50
Calexico	Desert																																	T.
Campbell	Coast																																	.20
Camp Baldy	do																																	.00
Camp Bonita	do																																	.32
Camp Iron Forks	do																																	.00
Campo	do																																	.99
Camp Rincon	do																																	.00
Camptonville	Sacramento																																	T.
Canon Dam	do																																	.00
Cascade	San Joaquin																																	.00
Centerville	Mountain Lakes																																	T.
Chester	do																																	.00
Chico	do																																	.37
China Flat	Coast																																	.00
Claremont	Sacramento																																	.00
Clearwater P. H.	do																																	.00
Cloverdale	do																																	.00
Clovis	San Joaquin																																	.00
Clyde Ranch	Coast																																	.00
Coalinga	San Joaquin																																	T.
Colby Springs	Coast																																	.00
Coliax	Sacramento																																	.00
Colgate	do																																	.00
Colusa	do																																	.00
Converse Nursery	Coast																																	.00
Corona	do																																	T.
Covelo	do																																	.42
Crescent City	do																																	T.
Cuyamaca	do																																	.00
Davis	Sacramento																																	.03
Deer Creek	do																																	.17
Del Monte	Coast																																	.00
Delta	Sacramento																																	.00
Denair	San Joaquin																																	.00
De Sabla	Sacramento																																	.00
Dinuba	San Joaquin																																	.20
Dobbins (near)	Sacramento	</																																

JULY, 1917.

Daily Precipitation for July, 1917.—Continued.

Daily Precipitation for July, 1917.—Continued

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.

Note: The following stations are located as follows: Alder Creek, 4.

Note: The following stations are located as given: Alder Creek (Loomis Ranch), lat.  $34^{\circ} 26' N.$ , long.  $118^{\circ} 00' W.$ ; Arroyo Seco Forest Station, lat.  $34^{\circ} 13' N.$ , long.  $118^{\circ} 11' W.$ ; Camp Baldy, lat.  $34^{\circ} 15' N.$ , long.  $117^{\circ} 38' W.$ ; Camp Bonita, lat.  $34^{\circ} 14' N.$ , long.  $117^{\circ} 45' W.$ ; Camp Iron Forks, lat.  $34^{\circ} 18' N.$ , long.  $117^{\circ} 44' W.$ ; Camp Rincon, lat.  $34^{\circ} 15' N.$ , long.  $117^{\circ} 49' W.$ ; Clearwater Power House, lat.  $34^{\circ} 35' N.$ , long.  $118^{\circ} 27' W.$ ; Clyde Ranch, lat.  $34^{\circ} 19' N.$ , long.  $117^{\circ} 34' W.$ ; Colby Springs, lat.  $34^{\circ} 18' N.$ , long.  $118^{\circ} 07' W.$ ; Echo Mountain, lat.  $34^{\circ} 12' N.$ , long.  $118^{\circ} 07' W.$ ; Hansen's Ranch, lat.  $34^{\circ} 18' N.$ , long.  $118^{\circ} 11' W.$ ; Live Oak Canon, lat.  $34^{\circ} 04' N.$ , long.  $117^{\circ} 45' W.$ ; Mount Wilson, lat.  $34^{\circ} 14' N.$ , long.  $118^{\circ} 05' W.$ ; Neahnie, lat.  $34^{\circ} 48' N.$ , long.  $118^{\circ} 35' W.$ ; Pacoima Ranch, lat.  $34^{\circ} 22' N.$ , long.  $118^{\circ} 21' W.$ ; Santa Anita Forest Station, lat.  $34^{\circ} 12' N.$ , long.  $118^{\circ} 02' W.$ ; San Antonio Canon, lat.  $34^{\circ} 13' N.$ , long.  $117^{\circ} 40' W.$ ; San Gabriel Intake, lat.  $34^{\circ} 12' N.$ , long.  $117^{\circ} 52' W.$ ; San Gabriel (Opid Ranch), lat.  $34^{\circ} 15' N.$ , long.  $118^{\circ} 04' W.$ ; San Gabriel Power House, lat.  $34^{\circ} 10' N.$ , long.  $117^{\circ} 54' W.$ ; Sierra Alta Ranch, lat.  $34^{\circ} 21' N.$ , long.  $117^{\circ} 39' W.$ ; Switzer's Camp, lat.  $34^{\circ} 16' N.$ , long.  $118^{\circ} 09' W.$ ; Toll House, Mt. Wilson, lat.  $34^{\circ} 14' N.$ , long.  $118^{\circ} 07' W.$ ; Tujunga.

**Daily Temperature for July, 1917.**

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.	
Alturas.....	Maximum...	96	97	94	93	95	94	97	91	89	98	104	103	103	103	99	99	95	97	95	95	94	92	90	97	94	89	87	91	90	94	95.4	
	Minimum...	41	45	50	47	49	48	50	58	38	42	41	51	52	61	60	58	60	57	47	46	41	39	43	37	57	38	40	43	40	42	47.3	
Bakersfield.....	Maximum...	104	106	104	105	104	102	105	102	98	103	107	107	110	110	107	110	108	109	105	107	107	105	105	101	101	100	100	103	102	104.4		
	Minimum...	54	55	65	64	64	65	65	61	63	70	79	71	72	73	71	68	66	68	76	71	70	62	69	65	64	64	65	64	66	68	66.8	
Barstow.....	Maximum...	110	106	103	103	104	102	100	102	103	105	108	105	107	107	106	105	104	102	104	105	103	112	98	102	105	93	91	98	97	102	103.2	
	Minimum...	66	68	67	63	64	65	68	64	65	66	68	73	75	74	73	74	69	71	72	77	78	67	70	66	78	66	66	65	68	69.5		
Calexico.....	Maximum...	109	101	105	108	108	108	107	103	105	108	119	111	112	111	111	103	103	103	103	104	103	104	92	102	101	91	98	97	99	99	104.6	
	Minimum...	77	76	73	74	75	74	73	70	79	83	79	80	81	80	83	80	78	82	83	82	78	74	80	75	73	77	77	77	78.0			
Chico .....	Maximum...	105	107	104	104	101	102	95	106	111	109	108	103	103	103	103	109	108	105	107	103	101	101	95	96	96	97	100	107	103.2			
	Minimum...	60	61	62	57	57	56	65	53	57	61	65	66	67	64	65	72	70	62	62	63	63	62	58	53	52	56	56	61	60.9			
Colfax .....	Maximum...	96	95	90	93	88	90	90	86	90	94	99	100	97	96	97	92	94	92	97	100	95	95	92	92	93	82	85	85	86	90	95	92.5
	Minimum...	60	67	68	64	68	65	68	60	57	63	67	72	75	76	70	78	70	73	63	67	61	65	64	66	60	62	62	64	66	66.0		
Escondido .....	Maximum...	96	90	91	90	86	85	88	90	88	94	93	92	89	90	88	88	83	91	94	92	89	84	87	84	90	92	88	89	89	89.2		
	Minimum...	55	59	55	58	58	56	60	55	60	57	61	61	60	58	60	59	59	59	60	63	62	63	57	62	44	58.7	58.7	58.7	58.7	58.7		
Eureka.....	Maximum...	59	60	60	60	58	58	58	60	60	58	62	60	60	59	58	57	56	54	56	59	58	64	67	62	61	60	64	59	54	59.4		
	Minimum...	54	53	52	52	52	51	49	50	50	49	50	50	49	51	51	49	48	48	49	50	49	49	49	49	49	49	49	49	49	49.3		
Fresno.....	Maximum...	104	106	103	101	101	102	98	99	103	106	106	109	106	105	105	105	104	104	105	104	104	102	102	102	102	102	102	102	102	102.4		
	Minimum...	66	70	68	67	66	69	61	61	65	72	75	74	73	79	74	76	71	72	72	73	74	73	64	60	63	65	67	72	69.5			
Hanford.....	Maximum...	98	106	105	104	102	104	101	100	102	101	100	103	110	108	106	109	108	106	104	106	103	108	108	107	103	101	101	101	104.6			
	Minimum...	50	52	54	52	51	52	50	50	52	48	50	52	56	52	53	56	58	54	48	50	52	54	54	56	50	48	46	48	50	51.5		
Hollister.....	Maximum...	93	80	80	78	75	74	70	71	80	84	86	88	81	80	85	76	85	93	93	100	103	94	91	72	79	78	76	75	84	74	83.2	
	Minimum...	53	50	49	49	50	50	50	53	50	50	55	51	53	52	53	55	57	60	55	57	54	52	52	48	47	52	55	52	54	52	54	52.4
Indio.....	Maximum...	101	101	105	107	108	109	109	109	106	108	113	111	113	115	112	113	107	109	115	113	108	106	107	95	104	101	101	100	104	106.7		
	Minimum...	75	78	82	80	81	82	81	77	69	80	86	85	85	87	84	86	77	86	91	88	81	83	78	73	79	81	76	80	76	80	78.9	
La Porte .....	Maximum...	78	82	84	81	71	80	76	80	84	86	92	89	87	90	86	85	76	87	84	83	79	65	84	77	71	75	74	76	79.8			
	Minimum...	40	42	42	40	42	45	45	43	45	38	40	54	51	52	55	51	60	59	59	47	40	35	42	40	41	36	38	47	45	45.3		
Lemon Cove.....	Maximum...	99	100	107	104	104	103	104	100	98	103	106	101	104	100	101	100	101	107	103	107	104	103	107	105	104	105	104	104	102.4			
	Minimum...	68	70	61	70	73	70	75	65	63	68	74	73	71	69	67	72	73	73	65	66	70	67	70	71	68	64	64	63	65	68.5		
Los Angeles.....	Maximum...	88	87	80	79	80	78	77	73	34	87	84	84	83	82	78	78	77	80	81	88	84	80	81	82	86	86	83	84	84	81.7		
	Minimum...	62	63	62	61	61	63	61	60	60	65	64	62	63	62	62	61	62	63	65	62	61	64	64	65	67	65	66	65	63	62.9		
McCloud.....	Maximum...	90	91	88	89	88	87	87	82	84	92	96	97	95	97	95	97	93	92	88	92	89	87	85	83	82	82	82	87	90	89.3		
	Minimum...	43	49	49	47	46	45	45	46	45	48	44	45	51	54	55	55	51	50	44	40	44	41	44	40	44	43	42	42	45.6			
Merced.....	Maximum...	101	104	100	98	99	99	99	95	100	95	96	103	105	106	108	103	103	105	98	105	105	104	102	102	101	101	101	104	106.7			
	Minimum...	55	64	65	60	63	62	65	59	57	60	59	68	69	67	71	70	73	66	67	73	66	67	61	58	57	58	58	63	65	65.3		
Mokelumne Hill.....	Maximum...	100	100	97	97	94	95	95	90	93	99	102	104	101	101	93	99	101	99	101	99	101	101	99	99	99	99	99	99	99.6			
	Minimum...	65	68	63	66	64	65	67	57	55	65	60	67	70	72	72	69	69	70	68	68	72	66	68	67	65	64	64	64	64	64.9		
Mount Tamalpais.....	Maximum...	89	82	80	79	78	77	72	64	74	89	84	86	87	84	86	82	84	86	82	85	79	66	82	85	82	84	84	82	84	82.4		
	Minimum...	74	65	72	64	66	60	46	44	55	71	77	81	68	65	75	69	62	71	75	79	75	69	68	61	54	56	55	49	66.5			
Needles .....	Maximum...	107	108	109	111	113	114	115	109	114	113	114	113	115	110	110	117	113	113	112	111	111	110	106	107	103	103	108	109.8				
	Minimum...	74	84	78	78	78	76	74	78	86	82	84	82	84	85	83	84	85	86	82	85	82	84	85	82	84	85	81	81	81.0			
Paso Robles.....	Maximum...	107	110	98	97	91	92	93	98	99	101	100	101	101	100	101	104	104	104	108	108	109	109	109	109	109	109	109	109	108.8			
	Minimum...	46	49	46	45	45	46	45	46	45	48	42	47	48	42	48	42	48	42	48	42	48	42	48	42	48	42	48	42	48	51.0		
Point Reyes.....	Maximum...	55	55	56	58	56	57	55	57	55	56	56	57	57	55	57	57	55	57	54	56	56	57	55	57	55	57	55	57	57.0			
	Minimum...	47	46	46	48	48	45	47	40	48	49	48	49	51	50	50	51	50	51	49	48	47	49	48	47	49	48	47	48	47.8			
Pomona.....	Maximum...	100	95	92	93	91	91	93	96	97	94	91	94	93	94	97	94	97	94	95	96	93	94	95	94	95	94	95	94	95	94.0		
	Minimum...	54	58	56	53	52	62	61	57	54	59	60	58	56	60	58	57	58	60	56	57	58	60	58	57	57	57	58	57.7				
Porterville.....	Maximum...	101	104	99	100	100	99	101	98	97	100	104	103	107	105	102	107	104	102	104	105	101	101	100	104	102	102	102	102	102.1			
	Minimum...	61	80	79	64	67	67	69	69	62	63	69	73	78	77	72	75	74	73	68	70	68	69	70	65	73	75	73	75	69.0			
Quincy.....	Maximum...	89	80	89	88	88	89	89	90	92	95	99	94	91	91	91	92</td																