

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

CALIFORNIA SECTION.

G. H. WILLSON, District Forecaster.

VOL. XX.

SAN FRANCISCO, OCTOBER, 1916.

No. 10.

GENERAL SUMMARY.

October, 1916, was abnormally cold in California. Taking the State as a whole, the mean temperature, 55.0° , was 6.1° below the normal. It was the coldest October in the period of 20 years during which state-wide records have been kept. The deficiency in temperature was particularly marked along the immediate coast. At Eureka it was the coldest October in a record covering 30 years; at San Francisco it was the coldest since 1881; while at San Diego it was the coldest since 1872. The average precipitation was 1.91 inches, or 0.46 inch more than the usual amount. As was the case during the preceding month, the south portion of the State and the mountains along the eastern border received moderately heavy precipitation, while the extreme north portion received little or none. Sunshine was deficient, and the wind movement was somewhat below normal. Though frosts were of frequent occurrence, they were not sufficiently severe to cause damage to vegetation except in the elevated portions of the State.

The first half of October was cold and cloudy throughout California. In the central and south portions of the State copious showers fell throughout this period, the rainfall being especially heavy on the 1st, 2d, 6th, and 7th. In the mountain regions moderately heavy snow fell during the first decade, but in most places it disappeared before the middle of the month. Largely on account of a lack of sunshine, the temperatures were well below normal throughout the State. The second half of the month was practically rainless. Cold, northerly winds kept the temperatures down, even though the amount of sunshine received greatly exceeded that of the first half of the month. Accelerated radiation on clear nights caused wide-spread early morning frosts, which, at many stations, were the earliest autumn frosts ever recorded.

From an agricultural point of view the reports were partly favorable and partly unfavorable. The overcast, showery weather which began near the close of September and persisted until the middle of October was injurious to the raisin and grape crops, the loss sustained having been the greatest from this source which has occurred since these crops have been grown on an extensive scale. Other crops which have suffered include beans, sugar beets, olives, and figs. The anomalous condition of deficient rainfall in the extreme north portion of the State has caused a drought which has been harmful to the large cattle and dairy industry along the coast. On the other hand, the unusually early rains were sufficiently heavy to put the soil in condition for plowing, a great deal of which was done during the cool, clear weather of the latter half of the month. Range pastures in the foothills have made a good start. The showery weather and subnormal temperatures have been beneficial to the rice crop, which gives every promise of being the greatest ever grown in this state. The apple and walnut crops, both larger and of better quality than those of last year, were harvested under favorable weather conditions. Citrus fruits have also benefitted. Unless severe frosts occur, the crop of oranges and lemons soon to be gathered will be the best in recent years. Moreover, the crop is well advanced and is not likely to be seriously injured by cold weather. These crops have progressed under favorable weather conditions recently, particularly in respect to rainfall, which is well above the normal for the season throughout the central and south portions of the State.

A. H. P.

PRESSURE.

The monthly mean atmospheric pressure for the State, reduced to sea level, was 30.02 inches.

The highest was 30.40 inches at Red Bluff on the 24th.

The lowest was 29.51 inches at Independence on the 2d.

The range for the State was 0.89 inch.

TEMPERATURE.

The monthly mean temperature for the State was 55.0° degrees, which is 6.1° degrees below the normal.

The highest monthly mean was 70.4° degrees, at Sterling; and the lowest was 35.9° degrees, at Fordyce Dam.

The highest temperature, 98° degrees, occurred at Greenland Ranch on the 1st, and at King City on the 2d and 7th; and the lowest, 10° degrees, occurred at Summit on the 5th.

The range for the State was 88 degrees.

PRECIPITATION.

The average precipitation for the State was 1.91 inches, or 0.46 inch above the normal.

The greatest monthly amount was 8.71 inches, at Yosemite. 12 stations reported no precipitation.

The greatest amount in 24 hours was 3.20 inches at Sierra Madre on the 2d.

RELATIVE HUMIDITY.—(Per Cent.)

Stations.	5 a.m.	5 p.m.	Mean.
Eureka	90	81	86
Fresno	87	47	67
Los Angeles	86	70	78
Mount Tamalpais	64	62	63
Red Bluff	75	39	57
Sacramento	90	47	68
San Diego	87	78	83
San Francisco	90	73	82
San Jose	93	68	80
San Luis Obispo	86	70	78

SUNSHINE AND CLOUDINESS.

Stations.	Actual hours of sunshine.	Per cent of the possible.
Eureka	133	39
Fresno	264	76
Los Angeles	201	57
Mount Tamalpais	269	78
Red Bluff	278	81
Sacramento	232	67
San Diego	243	69
San Francisco	148	43
San Jose	173	50
San Luis Obispo	197	56

WIND MOVEMENT.—(Miles.)

Stations.	Total movement for month.	Average hourly velocity.	Maximum velocity.	Direction.	Date.
Eureka	3,321	4.5	30	n.	5
Fresno	3,411	4.6	19	n.w.	28
Independence	3,794	5.1	28	n.w.	2
Los Angeles	3,744	5.0	27	s.	2
Mount Tamalpais	10,566	14.2	57	n.w.	2
Point Reyes	12,030	16.2	56	n.w.	27
Red Bluff	2,559	3.8	18	s.	1
Sacramento	4,499	6.0	27	s.w.	1
San Diego	4,386	5.9	26	s.	6
San Francisco	5,101	6.9	25	s.w.	13
San Jose	3,271	4.4	24	n.w.	29
San Luis Obispo	2,863	3.8	24	ne.	31

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

Climatological Data for October, 1916.

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 (0) inch or more.	Clear.	Partly cloudy.	Cloudy.		
Alturas.....	Modoc.....	4,400	12	46.3	.....	83	16	16	23	58	2.17	+1.38	1.17	3.5	7	20	7	4	s.	Prof. C. B. Towle.
American Camp.....	Tuolumne.....	2,600	1	54.8	.....	76	31	32	29	42	2.50	.....	1.60	0	6	20	1	10	s.	U. S. Forest Service.
Angiola.....	Tulare.....	208	16	57.3	-5.4	82	18	34	28	40	1.43	+1.17	0.73	0	5	21	6	4	e.	Santa Fe Co.
Antioch.....	Contra Costa.....	46	37	63.5	+0.1	82	22	46	28	32	2.65	-0.22	0.12	0	5	18	0	13	e.	C. G. McDaniel.
Arrowhead Springs.....	San Bernardino.....	2,000	7	63.5	.....	85	26	31	27	53	1.52	.....	0.99	0	7	11	16	4	w.	Arrowhead Springs Co.
Atascadero.....	San Luis Obispo.....	837	.....	54.0	.....	85	29	49	30	32	1.27	-0.67	1.62	0	6	17	9	5	nw.	Colony Holding Corp.
Auberry.....	Fresno.....	2,050	.....	54.7	-6.0	81	1	39	30	32	1.27	-0.67	0.77	0	7	19	7	5	ne.	S. I. & E. Ry. Co.
Auburn.....	Placer.....	1,360	45	58.6	-6.0	85	28	49	31	31	1.20	.....	0.45	0	8	19	11	1	w.	Southern Pacific Co.
Avalon.....	Los Angeles.....	30	6	59.8	.....	85	29	49	31	31	1.20	.....	0.45	0	8	15	4	12	sw.	T. S. Manning.
Azusa.....	do.....	540	14	58.8	-6.8	90	25	38	24	47	3.88	+2.87	1.11	0	8	15	4	12	sw.	C. O. Hillis.
Bagdad.....	San Bernardino.....	784	13	66.8	-6.3	89	18	40	28	43	0.00	-0.20	0.00	0	0	.....	.....	.....	s.	Santa Fe Co.
Bakersfield.....	Kern.....	404	27	61.1	-4.4	86	26	38	29	45	1.58	+1.22	0.55	0	7	19	0	12	w.	E. L. White.
Barstow.....	San Bernardino.....	2,105	13	57.4	-6.6	92	17	30	21	45	0.27	-0.24	0.17	0	2	22	4	5	w.	State University.
Berkeley.....	Alameda.....	317	29	55.5	-3.8	78	25	42	4	32	0.86	-0.63	0.40	0	8	6	15	10	w.	Union Sugar Co.
Betteravia.....	Santa Barbara.....	155	3	56.7	.....	82	25	38	15	42	1.78	.....	0.70	0	6	15	4	12	w.	Southern Pacific Co.
Biggs **.....	Butte.....	98	17	63.6	+4.8	96	17	40	2	42	1.51	-0.01	1.24	0	3	24	2	5	w.	W. A. Chalfant.
Bishop.....	Inyo.....	4,450	21	48.8	-7.1	76	18	23	21	49	0.78	+0.37	0.39	0	3	14	0	1	s.	Floyd E. Van Cleave.
Bishop Creek.....	do.....	8,390	6	38.7	.....	59	31	16	4	28	4.22	.....	1.40	42.5	9	17	6	8	s.	Victor Hope.
Blacksburg.....	Humboldt.....	1,700	10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Blue Canon.....	Placer.....	4,695	17	49.3	-3.7	72	18	30	22	38	1.91	-3.10	0.50	12.0	8	21	1	9	n.	Southern Pacific Co.
Blythe.....	Riverside.....	268	7	64.4	.....	95	+17	34	25	53	0.00	.....	0.00	0	0	29	1	1	n.	C. L. Snits.
Bonita.....	San Diego.....	110	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	R. M. Allen.
Branscomb.....	Mendocino.....	2,000	16	54.0	-2.2	80	16	27	4	41	0.17	-5.64	0.08	0	3	22	7	2	n.	A. J. Haun.
Brawley.....	Imperial.....	-105	6	66.1	.....	94	20	40	25	46	0.00	.....	0.00	0	0	.....	.....	.....	n.	M. D. Witter.
Bridgeport.....	Mono.....	6,500	2	38.2	.....	74	1	11	29	47	2.06	.....	1.00	6.0	4	19	4	8	n.	Geo. Delury, Jr.
Burney.....	Shasta.....	3,300	6	47.0	.....	78	16	18	23	54	1.34	.....	0.75	1.0	3	20	5	6	sw.	Mrs. M. D. Chambers.
Calaveras Ranger Sta.....	Calaveras.....	3,400	.....	48.3	.....	70	17	28	30	35	4.91	.....	2.18	0	8	20	0	11	w.	Dr. W. L. Shawk.
Calexico.....	Imperial.....	0	11	68.2	-4.1	95	18	43	29	47	0.00	-0.16	0.00	0	0	31	0	0	n.	U. S. Forest Service.
Camptonville (near).....	Santa Clara.....	217	19	54.0	-4.9	76	+25	33	24	41	0.59	-0.26	0.25	0	6	20	11	10	dw.	F. R. Spencer.
Canon Dam.....	Yuba.....	3,500	9	52.9	.....	76	21	32	4	34	4.19	.....	1.36	0	9	21	1	9	s.	Pacific Gas & Electric Co.
Cascade.....	Plumas.....	4,570	2	48.5	.....	81	16	26	24	45	2.05	.....	0.98	0	8	20	6	5	n.	Great Western Power Co.
Center Ranger Station.....	Fresno.....	4,900	.....	50.0	.....	73	+20	30	3	29	3.45	.....	1.76	2.5	8	22	1	8	s.	S. J. & E. Ry. Co.
Centerville.....	do.....	4,675	22	46.8	-3.2	74	15	20	23	45	1.18	-0.08	0.43	0	6	22	5	7	w.	T. H. Johnstone.
Centerville.....	Tuolumne.....	3,850	.....	48.2	.....	65	15	33	+23	34.5	.....	1.90	0	8	16	8	7	w.	Pacific Gas & Electric Co.	
Chico.....	Butte.....	490	2	55.6	.....	79	+13	35	45	41	2.10	+0.79	1.04	0	5	22	3	6	w.	U. S. Bureau Plant Ind.
China Flat.....	do.....	189	46	59.0	-5.4	82	13	35	45	41	2.10	.....	0.08	0	2	20	7	4	w.	O. I. Westerby.
Claremont.....	Humboldt.....	600	7	52.4	.....	75	7	30	35	37	1.12	.....	0.08	0	2	20	7	4	w.	Prof. F. P. Brackett.
Los Angeles.....	do.....	1,200	24	58.2	-6.2	90	26	39	7	45	2.85	+1.83	0.80	0	10	15	7	5	s.	John O. Ogle.
Cloverdale.....	Sonoma.....	340	14	56.4	-6.0	88	25	31	24	48	0.26	-1.60	0.20	0	4	23	1	7	se.	Producers Trans. Co.
Coalinga.....	Fresno.....	663	4	42.9	.....	58	46	30	21	44	1.01	.....	0.40	0	7	22	2	7	se.	Southern Pacific Co.
Colfax.....	Placer.....	2,421	45	58.5	-3.7	85	21	30	4	46	2.56	+0.12	0.96	0	6	23	0	8	se.	Coisa Sun.
Colusa.....	do.....	60	13	56.2	-5.4	70	+5	38	29	45	0.94	+0.31	0.56	0	6	24	1	6	n.	Edw. N. Munns.
Converse Nursery.....	San Bernardino.....	6,000	2	47.4	.....	75	16	25	+3	37	1.01	.....	0.94	1.0	5	20	9	2	n.	J. W. Garthwaite.
Corona.....	Riverside.....	615	2	58.4	.....	87	26	35	30	43	1.11	.....	0.53	0	3	14	8	9	n.	T. H. Peacock.
Crescent City.....	Del Norte.....	125	2	52.3	-1.1	77	5	34	29	40	1.49	-3.70	0.57	0	4	25	0	6	n.	Cuyamaca Water Co.
Cuyamaca.....	San Diego.....	4,677	17	48.2	-3.0	73	31	23	25	37	5.13	+2.37	2.91	0	6	20	1	10	sw.	S. H. Beckett.
Davis.....	Yolo.....	51	44	57.6	-7.3	83	+20	30	24	46	0.46	-0.37	0.36	0	2	17	12	2	se.	Pacific Gas & Electric Co.
Deer Creek.....	Nevada.....	3,700	9	47.3	.....	73	21	26	+24	42	3.63	.....	1.49	0	8	18	4	9	se.	Hotel Del Monte.
Del Monte.....	Monterey.....	25	5	56.8	.....	78	25	42	24	36	0.73	.....	0.30	0	5	9	6	16	nw.	Southern Pacific Co.
Delta.....	Shasta.....	1,138	31	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Santa Fe Co.
Denair.....	Stanislaus.....	126	16	57.6	-3.2	80	16	34	30	38	0.00	-0.52	0.00	0	0	21	0	10	w.	Pacific Gas & Electric Co.
De Sabla.....	Butte.....	2,700	12	52.8	.....	80	+26	30	+29	44	4.36	+2.64	1.83	0	6	22	4	5	sw.	do
Dobbins (near).....	Yuba.....	1,650	12	59.4	-5.6	82	21	38	29	38	2.10	+0.58	1.10	0	0	20	2	9	s.	J. T. Mason.
Downieville.....	Sierra.....	3,150	5	50.0	.....	81	15	24	29	50	3.44	.....	1.13	0	7	22	2	7	ne.	Producers Trans. Co.
Dudley.....	Kings.....	595	4	58.8	.....	85	23	37	29	40	1.47	.....	0.47	0	6	21	2	8	nw.	W. H. Dudley.
Dudleys.....	Mariposa.....	3,000	7	49.4	.....	76	21	27	+29	42	2.99	.....	1.25	0	6	19	9	3	n.	R. W. Durham.
Dunsmuir.....	Siskiyou.....	2,285	27	.....	.....	.....	.....	.....	.....	.....	0.23	-3.62	0.12	0	3	22	1	7	s.	J. J. Lea.
Durham.....	Butte.....	160	21	59.8	-2.5	82	+13	36	31	40	2.04	+0.50	0.99	0	5	20	11	0	w.	So. Cal. Edison Co.
East Park.....	Colusa.....	2	56.5	.....	.....	84	14	31	+24	45	1.15	.....	0.35	0	6	21	3	7	sw.	H. H. Kessler.
Edison.....	Kern.....	2,500	2	60.4	.....	81	27	46	29	56	1.97	+1.56	0.89	0	4	20	6	5	sw.	Pacific Gas & Electric Co.
El Cajon.....	San Diego.....	482	17	60.4	-5.1	95	26	34	31	54	1.57	+1.07	0.89	0	4	20	6	5	sw.	U. S. Forest Service.
Electra.....	Amador.....	725	12	58.4	-5.2	85	8	36	29	39	3.02	+2.98	1.90	0	7	21	3	7	sw.	Southern Pacific Co.
Elsinore.....	Riverside.....	1,300	6	60.6	.....	90	+23	38	7	43	0.95	.....	0.44	0	5	20	11	0	.....	So. Cal. Edison Co.
Emigrant Gap.....	Placer.....	5,230	42	58.0	-4.1	86	25	32	30	32	2.53	.....	1.08	0	5	19	4	8	w.	A. R. Moon.
EUREKA.....	do.....	64	30	50.2	-2.9	65	5	38	5	27	0.47	-2.43	0.24	0	5	8	7	16	se.	U. S. Weather Bureau.
Folsom.....	Sacramento.....	252	44	60.0	-3.6	80	+16	41	+23</											

Climatological Data for October, 1916.—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).	Partly cloudy.	Cloudy.			
La Porte.....	Plumas.....	5,000	22	45.8	-2.9	71	16	22	4	39	5.26	-0.28	1.40	12.8	8	19	2	10	n. C. W. Hendel.
Las Plumas.....	Butte.....	506	2	40.3	-2.6	70	25	44	31	25	2.71	+1.97	0.83	0	6	9	14	6	w. Great Western Power Co.
Le Grande.....	Mered....	255	16	55.0	-8.9	78	26	35	3	37	0.93	-0.10	0.57	0	3	25	0	6	w. Santa Fe Co.
Lemon Cove.....	Tulare.....	600	21	59.4	-8.0	77	18	38	29	32	2.75	+2.03	1.07	0	7	21	4	6	n. T. E. Bence.
Lick Observatory.....	Santa Clara.....	4,209	27	50.8	-4.2	70	17	75	32	31	0.92	-0.76	0.23	0	7	18	4	9	n. The Director.
Lindsay.....	Tulare.....	384	2	59.5	-5.5	83	17	35	26	43	2.80	-0.81	0	0	6	20	6	5	n. Basil Prior.
Livermore.....	Alameda.....	485	45	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	E. G. Still.
Lompoc (near).....	Santa Barbara.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	A. R. Poett.
Lone Pine.....	Inyo.....	3,728	11	52.7	-3.8	78	19	26	6	43	1.90	+1.56	1.75	0	4	23	7	1	s. G. F. Marsh.
Los ANGELES.....	Los Angeles.....	293	39	59.7	-2.6	90	25	44	31	25	3.04	+1.97	0.83	0	6	9	14	6	sw. U. S. Weather Bureau.
Los Gatos.....	Santa Clara.....	600	29	56.2	-3.8	79	25	39	29	34	0.96	-0.91	0.38	0	7	12	8	11	n. F. H. McCullagh.
McCloud.....	Siskiyou.....	3,270	6	48.1	-25	80	16	18	4	50	0.31	-0.31	0	1	25	4	2	..... J. A. Thomas.	
Madeline.....	Lassen.....	5,270	7	42.9	-8.4	78	24	15	23	44	1.07	-0.50	5.0	0	6	19	3	nw. J. H. Williams.	
Magalia.....	Butte.....	2,321	12	50.4	-8.4	75	28	30	12	46	5.00	+2.07	2.50	T.	7	22	0	9	s. Southern Pacific Co.
Maricopa.....	Kern.....	640	5	63.0	-	88	28	41	31	42	1.20	-0.67	0	6	21	3	7	n. Producers Trans. Co.	
Marysville.....	Yuba.....	67	45	59.8	-5.5	85	1	34	24	43	1.20	+0.04	0.07	0	3	22	4	5	s. Southern Pacific Co.
Mecca.....	Riverside.....	-185	10	68.9	-	94	15	42	24	44	T.	-	0	0	26	5	0	n. E. A. Palmer.	
Merced.....	Merced.....	173	42	57.6	-7.2	79	16	35	30	40	0.87	-0.37	0.23	0	8	24	2	5	nw. Santa Fe Co.
Middlewater.....	Kern.....	803	5	56.2	-	83	16	34	7	42	1.69	-0.60	0	6	21	1	9	w. Producers Trans. Co.	
Mill Creek.....	Amador.....	2,500	9	52.4	-	77	17	31	23	42	4.93	-	2.38	0	8	21	2	8	Pacific Gas & Electric Co.
Milton (near).....	Calaveras.....	660	25	58.8	-5.7	77	16	38	29	39	0.85	-0.14	0.29	0	5	18	10	3	nw. J. H. Southwick.
Mineral.....	Tehamo.....	4,750	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	U. S. Forest Service.
Mokelumne Hill.....	Calaveras.....	1,550	23	57.5	-2.8	80	18	37	29	36	2.36	+0.72	1.48	0	4	18	1	12	C. E. Prindle.
Montague.....	Siskiyou.....	2,450	28	44.7	-10.5	83	16	22	24	51	0.01	-0.88	0.01	0	1	19	8	4	n. I. E. De Boy.
MOUNT TAMALPAIS.....	Marin.....	2,375	17	53.4	-5.3	70	26	38	4	20	0.85	-1.35	0.32	0	9	20	4	7	nw. U. S. Weather Bureau.
Napa City.....	Napa.....	20	39	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Thos. Hull.	
Noetles.....	San Bernardino.....	477	24	64.4	-7.3	89	21	44	46	38	0.00	-0.12	0.00	0	0	30	1	0	Santa Fe Co.
Nellie.....	San Diego.....	5,350	7	48.3	-	70	31	28	7	24	6.79	-2.94	0.5	8	16	2	13	sw. Esther P. Hewlett.	
Newman.....	Nevada.....	2,850	24	51.2	-4.5	81	17	23	21	51	2.80	+0.18	0.98	0	8	20	2	9	s. S. W. Marsh.
Stanislaus.....	Stanislaus.....	91	27	59.0	-5.8	86	1	33	21	51	0.45	-0.18	0.17	0	4	12	3	7	n. E. S. Wangenheim.
North Bloomfield.....	Nevada.....	3,214	19	51.8	-4.1	76	21	30	3	38	2.41	-1.14	0.76	0	5	23	0	8	n. J. R. McIntosh.
North Fork.....	Madera.....	3,000	12	52.5	-	77	20	32	42	43	3.65	+2.81	1.25	0	9	17	4	3	sw. U. S. Forest Service.
Oak Grove.....	San Diego.....	2,751	6	64.2	-	87	17	25	24	53	1.38	-0.56	0	7	21	0	10	w. U. S. Forest Service.	
Oakland.....	Alameda.....	36	40	55.7	-2.7	75	25	43	29	57	1.13	-0.42	0.35	0	8	7	7	17	sw. Chabot Observatory.
Oceanside.....	San Diego.....	60	6	57.9	-	82	26	43	30	54	2.23	-	1.38	0	5	13	9	9	w. H. D. Brodie.
Ojai Valley.....	Ventura.....	900	10	57.8	-	93	16	35	29	51	3.24	-	1.03	0	9	16	12	3	sw. W. H. Duncan.
Orland.....	Glenn.....	254	34	60.3	-6.1	83	21	37	24	37	3.14	+0.08	0.54	0	7	20	7	4	n. U. S. Rec. Service.
Orleans.....	Humboldt.....	376	13	56.0	-6.3	80	13	31	23	43	0.31	-2.67	0.13	0	5	25	0	6	sw. F. W. Gent.
Oroville (near).....	Butte.....	250	32	60.4	-5.0	94	21	39	30	37	1.63	+0.01	1.12	0	5	19	3	9	sw. E. D. Fairchild.
Pacific.....	El Dorado.....	3,400	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	U. S. Forest Service.
Pasadena.....	Los Angeles.....	827	26	57.6	-7.2	88	25	37	31	45	3.98	+3.00	1.45	0	6	17	9	5	sw. Harlan W. Hall.
Paso Robles.....	San Luis Obisp.....	800	29	56.9	-2.5	82	27	32	26	56	1.96	+1.03	1.12	0	7	25	3	3	sw. Dr. F. W. Sawyer.
Peachland.....	Sonoma.....	190	20	55.4	-6.4	83	25	32	25	48	0.68	-2.17	0.50	0	5	15	13	3	s. E. H. Parnell.
Petaluma.....	do.....	2	55.4	82	25	32	25	30	50	0.46	-0.78	0.13	0	6	8	20	3	s. John Landis.	
Placerville.....	El Dorado.....	1,875	27	52.1	-4.2	70	16	30	23	34	1.48	-0.81	0.75	0	4	20	5	6	sw. A. Baring Gould.
Point Loma.....	San Diego.....	302	10	59.2	-	74	26	50	48	19	1.18	+0.60	0.48	0	6	18	5	8	se. Fred J. Dick.
POINT REYES.....	Marin.....	490	24	52.1	-3.4	66	25	45	4	20	0.33	-1.42	0.15	0	5	7	19	10	n. U. S. Weather Bureau.
Pomona.....	Los Angeles.....	857	2	58.1	-	89	25	35	31	51	2.95	-0.62	0	8	8	3	10	sw. Leslie McAllifffe.	
Porterville.....	Tulare.....	464	27	59.7	-5.2	83	18	39	29	53	3.24	-0.88	0	7	17	7	7	n. D. N. Rogers.	
Portola.....	Plumas.....	1	45.0	73	30	11	29	58	0.04	0	0.04	-0.04	0	1	24	7	0	sw. J. E. Adamson.	
Quincy.....	do.....	3,400	21	51.0	-1.1	84	16	20	23	58	1.87	-1.45	0.50	2.0	7	22	9	0	sw. Western Pacific Co.
RED BLUFF.....	Tehama.....	307	39	59.4	-4.4	83	13	38	29	36	2.60	+1.24	1.06	0	5	22	5	4	se. D. N. Rogers.
Redding.....	Shasta.....	552	41	59.6	-4.9	87	25	35	4	41	1.10	-1.32	0.70	0	4	21	6	4	n. J. H. Buick.
Redlands.....	San Bernardino.....	1,352	23	59.0	-6.7	88	20	32	30	52	1.33	-0.55	0.60	0	7	17	4	10	w. P. W. Moore.
Reedley.....	Fresno.....	347	16	58.7	-4.6	78	1	39	31	51	1.62	+0.91	1.03	0	3	27	0	4	sw. Santa Fe Co.
Rialto (near).....	San Bernardino.....	2,250	10	57.8	-	86	31	40	44	50	6.52	-0.75	0	8	18	1	12	sw. So. Cal. Edison Co.	
Riverside.....	Riverside.....	851	34	58.1	-4.1	93	31	33	30	56	1.18	+0.64	0.32	0	7	15	12	4	w. J. H. D. Cox.
Rocklin.....	Placer.....	249	45	57.5	-6.1	80	16	22	24	42	1.19	+0.12	1.00	0	3	22	3	3	sw. Southern Pacific Co.
Rohnerville.....	Humboldt.....	75	13	54.0	-	78	46	33	5	44	0.35	-1.89	0.15	0	3	18	1	12	n. W. D. Gray.
Ruth.....	Trinity.....	2,925	2	51.8	-	81	15	27	24	50	0.04	-0.04	0	0	5	20	8	3	sw. U. S. Forest Service.
SACRAMENTO.....	Sacramento.....	71	39	58.2	-4.0	79	16	37	29	34	0.79	-0.11	0.52	0	5	20	8	3	sw. U. S. Weather Bureau.
St. Helena.....	Napa.....	255	8	55.8	-	81	25	33	24	44	0.82	-0.44	0	4	26	2	3	sw. W. F. Bornhorst.	
Salinas.....	Monterey.....	40	62	56.0	-1.5	77	25	39	26	46	0.40	-0.30	0.17	0	5	10	16	w. Miss E. Ruth Abbott.	
San Bernardino.....	San Bernardino.....	1,064	24	59.9	-4.3	91	20	36	30	54	1.80	-1.20	0.63	0	6	17	11	3	sw. Dr. A. K. Johnson.
SAN DIEGO.....	San Diego.....	87	45	59.3	-3.7	78	26	46	31	58	0.87	+0.47	0.40	0	6	17	10	13	sw. do.
SAN FRANCISCO.....	San Francisco.....	207	45	56.9	-1.5	77	25	46	29	56	0.52	-1.18	0.21	0	7	17	4	12	n. E. T. Tanner.
San Jacinto.....	Riverside.....	1,550	23	59.2	-4.6	90	17	32	30	52	1.33	+0.56	0.62	0	6	16	13	2	sw. U. S. Weather Bureau.
SAN JOSE.....	Santa Clara.....	95	41	55.8	-4.5	78	25	35	29	40	0.84	+0.04	0.47	0	8	10	9	12	

Climatological Data for October, 1916.—Continued.

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 of one inch or more.	Partly cloudy.	Cloudy.		
Ukiah.....	Mendocino.....	620	23	54.8	-5.2	82	†14	26	†5	49	0.12	-1.66	0.07	0	2	20	0	nw.	
Vacaville.....	Solano.....	175	28	57.8	-7.5	85	16	33	24	44	0.00	-1.35	0.09	0	27	0	6	w.	
Valyermo.....	Los Angeles.....	3,750	33	53.4	.....	83	15	27	7	41	0.90	0.00	0.00	0	0	25	0	6	....
Visalia.....	Tulare.....	334	28	64.4	+1.3	80	15	42	30	25	1.28	+0.74	0.61	0	4	25	1	5	nw.
Walnut Creek.....	Contra Costa.....	149	2	62.8	+0.8	85	†13	40	†25	36	0.00	-0.92	0.00	0	0	0	0	0	R. L. Nougaret.
Warner Springs.....	San Diego.....	3,165	8	56.5	.....	89	31	31	18	53	1.06	0.34	0	6	21	4	6	....
Wasco.....	Kern.....	336	16	58.0	-5.2	89	28	†36	30	39	1.52	+1.29	0.92	0	5	24	0	7	nw.
Watsonville.....	Santa Cruz.....	23	20	56.4	-2.1	84	25	34	†24	48	1.04	-0.12	0.52	0	6	7	9	15	Santa Fe Co.
Weaverville.....	Trinity.....	2,162	4	53.2	.....	89	15	21	23	57	.....	.....	.....	0	0	22	1	8	Spreckels Sugar Co.
Weitchpee.....	Humboldt.....	1,700	6	55.0	.....	82	15	32	4	35	1.25	.....	0.53	0	5	23	3	5	U. S. Forest Service.
West Branch.....	Butte.....	3,216	2	50.4	.....	79	25	25	23	44	4.63	.....	1.71	3.0	7	21	1	9	G. S. Garnett.
Wheatland.....	Yuba.....	84	29	57.8	-4.6	76	21	36	29	34	1.46	+0.05	0.91	0	7	22	3	6	Pacific Gas & Electric Co.
Willows.....	Glenn.....	136	37	59.8	-5.4	85	21	38	†29	41	1.33	+0.40	0.68	0	6	24	0	7	Wm. Lumbard.
Yorba Linda.....	Orange.....	405	2	58.8	.....	90	26	39	31	38	1.77	.....	0.70	0	5	7	17	F. E. Barnhouse.	
Yosemite.....	Mariposa.....	3,960	12	49.0	.....	76	†16	23	31	47	8.71	+7.14	2.40	2.0	11	16	0	S. J. Walker.	
Yreka.....	Siskiyou.....	2,628	27	50.2	.....	83	†16	22	†24	50	0.00	.....	0.00	0	0	15	6	10	Supt. National Park.
Means and Extremes.....	.....	.....	.....	55.0	-6.1	98	†1	10	5	63	1.91	+0.46	3.20	.....	5	14	10	7	U. S. Forest Service.

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.

** Temperature extremes are from observed readings of the dry bulb; means are computed from observed readings.

† Also on other dates.

‡ 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 OCTOBER.

MEAN MONTHLY TEMPERATURE FOR THE STATE.

1897.....	58.5	1907.....	62.0
1898.....	61.0	1908.....	58.3
1899.....	58.1	1909.....	60.2
1900.....	58.8	1910.....	61.9
1901.....	63.2	1911.....	59.1
1902.....	60.7	1912.....	57.1
1903.....	64.0	1913.....	61.9
1904.....	61.6	1914.....	60.2
1905.....	60.7	1915.....	62.3
1906.....	63.4	1916.....	59.0

AVERAGE PRECIPITATION FOR THE STATE.

1897.....	1.79	1907.....	1.56
1898.....	0.59	1908.....	1.37
1899.....	3.50	1909.....	1.66
1900.....	2.34	1910.....	0.83
1901.....	1.50	1911.....	0.58
1902.....	1.78	1912.....	0.36
1903.....	0.49	1913.....	0.08
1904.....	2.74	1914.....	1.60
1905.....	0.12	1915.....	0.14
1906.....	0.09	1916.....	1.91

DELAYED REPORTS.

Stations.	Month.	Temperature.				Total precipitation.
		Mean	Max.	Date.	Min.	
Fort Ross.....	July.	.....	.....	.....	.....	1.25
Fort Ross.....	August.	.....	.....	.....	.....	0.31
Bishop.....	September.	61.9	92	13	33	12
Boulder Creek.....	.....	75.4	101	1	39	28
Goffs.....	.....	.....	.....	.....	.....	0.55
Littletlands.....	.....	.....	.....	.....	.....	0.64
Santa Anita Forest Station.....	.....	.....	.....	.....	.....	0.60
Tejon Rancho.....	.....	72.7	93	14	55	26
Truckee.....	.....	50.6	81	20	22	11
						1.25
						0.75

DATES OF MISCELLANEOUS PHENOMENA.

Thunderstorms.—Azusa, 6; Cahuilla, 13; Camptonville (near), 1, 2, 10, 11; Center Ranger Station, 1, 3, 4, 6, 7; Centerville, 6; Chester, 10; Claremont, 13; Converse Nursery, 12, 13; Deer Creek, 2, 4, 9, 10; Devil Canon, 13; Dudleys, 1; Independence, 12; Kennett, 2; La Jolla, 13; La Porte, 1, 7; Madeline, 10; Mill Creek (No. 1), 1; Nellie, 12, 13; Nevada City, 2; North Bloomfield, 9; Oak Grove, 12, 13; Red Bluff, Redding, 2; Rialto (near), Riverside, 13; San Luis Obispo, 10; Santa Barbara, Sierra Madre, 12; Stockton, 9; Three Rivers, 6, 12, 13; Tuolumne Ranger Station, 1; West Branch, 10.

Earthquakes.—Round Valley, 8; Cahuilla, 19; Avalon, Bakersfield, Beaumont, Brawley, Claremont, Edison, Fairmont, Fresno, Gray Mountain, Los Angeles, Maricopa, Mount Wilson, Newhall, Nordhoff, Ozena, Pasadena, Redlands, Riverside, Santa Barbara, Santa Monica, Surrey, Taft, Tejon Rancho, Venice, West Saticoy, 22; Jolon, Lonoak, 24.

ERRATA. SEPTEMBER, 1916.

East Park, page 106, mean temperature, 70.0°, should be 69.8°.
Lick Observatory, page 107, mean temperature, 60.4°, should be 62.6°.
Santa Rosa, page 107, mean temperature, 64.4°, should be 64.2°.

Daily Precipitation for October, 1916.

Stations.	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		
Abbotts|||	.10	.06																															0.63
Aguanga	.12	.48																														1.50	
Alturas	.36	.29	.06																													2.17	
American Camp	1.60	.30	.15	.05																												2.50	
Angiola	.73	.26	.09	.05																												1.43	
Antelope Valley|||	T.	.15																														1.24	
Antioch	.08		.08	.12																												0.48	
Arrowhead Springs|||	.54	.21	.52																													2.65	
Atascadero	.16	.14		.12	.22	.64																									1.52		
Auberry	.10	.62		.67		.10																									3.13		
Auburn|||	.05	.16	.14			.05																									1.27		
Avalon	.16	.45	.01																												1.20		
Azusa|||	1.11	.52	.33																												3.88		
Bagdad																															0.00		
Bakersfield	.04	.30	.01	.04																											1.58		
Barstow|||		.17																													0.27		
Bear Valley																																	
Bear Valley Dam	.23	.70																														5.07	
Beaumont|||	.60	.60		.04	.33																										2.04		
Beaumont (near)|||	.90	.40	.70	.04																											3.69		
Belotta	.12			.32	.10																										2.01		
Ben Lomond	.08		.10	.05																											0.59		
Berkeley	.01	.40	.25	.04																											0.86		
Betteravia|||	.70		.17																												1.78		
Big Bar	T.	.12																													0.14		
Biggs	.22																														1.51		
Big Sur	.40	.38	.33	.30																											2.44		
Bishop|||	T.	1.20	.30	.10	1.40	.80	.20																							0.78			
Bishop Creek																															4.22		
Blocksburg																																	
Blue Canon|||	.01	.11	.50																													1.91	
Blythe																															0.00		
Boca	.70																														1.40		
Bonita																																	
Boulder Creek																																	
Bowman's Dam																																	
Braiscomb	.06																														T.	.08	
Brawley																															0.17		
Bridgeport	.50	1.00																													0.00		
Burney	T.	.75																													2.06		
Cahuilla	.50		.75																												1.34		
Calaveras Ranger Station	2.18	1.10	.07	.12																											1.95		
Calexico																															4.91		
Campbell	.05																														0.00		
Camp Baldy\$	.40	1.20	1.40																												0.59	
Camp Bonitas\$																															4.55		
Camp Iron Forks\$																															0.85		
Camp Rincon\$																																	
Camptonville (near)	.74	1.02	.57																												4.19		
Canon Dam	.20	.16	.27																												2.05		
Cascade	1.76	.56	.43	.03																											3.45		
Cedarville	.11	.14																													1.18		
Centerville	.09	.64	.23																												2.61		
Chester	.09	.10	.05																												1.57		
Chico	.38	.05	.13																												2.10		
China Flat																															0.12		
Cisco	.50		T.																												0.50		
Claremont|||	.37	.80	.38	T.																											2.85		
Clearwater Power House\$	.17	1.40		.07																											2.48	
Cloverdale	T.		.01																												0.26		
Coatings|||	.12	.06	T.	.08	.03																										1.01		
Colfax|||	.50	.28	.48																												2.56		
Colgate	.10	.12	.17	.06																											2.90		
Colusa	.16	.02																													0.94		
Converse Nursery	.17	.94	T.																												2.01		
Corona	T.	.45																													1.11		
Crescent City	.41																														1.49		
Cuyamaca	1.01	2.91																													5.13		
Davis			T.																												0.46		
Deer Creek	.49	.70	.27	T.</td																													

Daily Precipitation for October, 1916.—Continued

Daily Precipitation for October, 1916.—Continued

Stations.	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						
Pine Crest.	.66	.04						.75	.03																								1.48				
Placerville [§].	.13	T.	.44	T.		.48	.10	.01																								.02	1.18				
Point Loma [§].	.07		.01	.10			T.	T.	.04	.11	T.																						.33				
POINT REYES***.																																		2.95			
Pomona [§].	.62	.45	.56				.50	.40			.12	.30																					3.02				
Porterville [§].	.47	.88	.45				.47	.10			.62	.03																					.04				
Portola.								.04																											3.00		
Priest Valley [§].	.25	.55	.04	.10	.31	.30			.145																									1.87			
Quincy.	.44	.15	.50				.38	.10	.02		.28																						2.60				
RED BLUFF***.	.37		.69	.70			.43	.41																										1.10			
Redding [§].		.09	.10	.21			.70																											1.68			
Redlands.	.36	.43	.06				.60				.19																							1.62			
Reedley.		.1.03	.40							.19																								0.75			
Repsa [§].		.21	T.	.06			.48																											6.52			
Rialto (near) \$.	2.75	1.65	.07	.19	.05	1.27			.47		T.	.07																					0.99				
Rio Vista.		.01		.01			.34	.03		.33		.21	.06																			1.18					
Riverside.	.18	.32				.32	.08				.15																						1.19				
Rocklin [§].		.18	.01	T.			1.00																											1.19			
Rohnerville.	T.																																			0.35	
Ruth.	T.																																			0.04	
SACRAMENTO***.	.01	.12		.14			.36	.16			T.																							0.79			
St. Helena [§].	.20		.08				.44	.10																										0.82			
Saltinas.	.08		.11			.02			.17	.02																								0.40			
San Bernardino.	.32	.63					.55																												1.80		
SAN DIEGO***.	.03	.23		.03	.08	.32																												0.87			
SAN FRANCISCO***.	.11		.05	.09			.01		.02	.21	.03	T.																					0.52				
San Jacinto.	.05	.62	.03				.27																												1.33		
San Jose***.	.01	.08	.06	.41	T.	.02			.06	.19	.01																						0.84				
SAN LUIS OBISPO***.	.20	.21		.03	.54				.57	.27																								1.82			
San Miguel Island.	.10	.45				.30				.50	.21																							1.56			
San Pedro.		.30								.40																									0.80		
Santa Ana River.	.50	1.49					.108				.17																							3.49			
Santa Anita Forest Station \$.	.73	2.42	1.20				.82				.17	.26			.10	T.																	5.69				
Santa Barbara.	.55	.68					.58				.32	.71	T.																					2.82			
Santa Clara.	.03	.13	.11	.13	T.	.02			.04	.13	.07																						0.66				
Santa Cruz.	.15		.15							.30	.10																							0.70			
Santa Margarita.	.94	.46									.15	.82																						1.87			
Santa Monica.	.38	.28					.50				.20																							1.36			
Santa Rosa.	.55	.04	.08				.46	.04																										1.17			
Seven Oaks [§].	10	1.10					.60																												2.24		
Shively.																																					.05
Sierra Madre.		.3.20					.90																												4.65		
Sierraville.								.40				.28	.20	.22																				0.70			
Sisson [§].																																				0.40	
Sonora.																																				3.40	
Spreckels [§].	.05	.06			.06	.01	.07				.10	.02																					0.37				
Springville (near).	1.20	2.10	.60				T.	.1.15				.71		1.50																			7.26				
Squirrel Inn.	1.53	2.14	.39	.10	T.	1.78				.60																							6.54				
Stanwood.	.10	.80	.30				.10	1.90																										3.20			
Sterling.																																				0.00	
Stevenson Creek.	1.80	.75		.20			.30					.70																						3.75			
Stirling City [§].	.25	.70	1.60	T.	T.	1.39	1.65	T.																									5.50				
Stockton (S. H.) [§].		.10				.56	.05			.35		T.	.02																				1.08				
Storey.							.1.65																												1.65		
Sulphur Banks.							T.	.28				.26	.12		.04																		0.70				
Summit—1.							T.	.40	.00	.30	T.	.50	.80	T.																		3.00					
Summit—2 \$.																																					
Susanville.																																					
Tahoe.	.28	.21	.12	.06			.08	.39	.03	T.	.03	T.																					1.20				
Tamarack.	1.75	1.80	.20	.20			.40	.10	.40	.20	.10																					6.35					
Tejon Rancho.																																				0.25	
Tujunga Canon \$.	.56	2.40		</																																	

Daily Temperature for October, 1916.

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	56	45	46	48	59	63	48	54	64	67	69	70	75	76	78	83	75	60	74	79	77	66	63	73	75	81	66	62	59	64	65.8	
	Minimum	38	32	28	23	29	35	31	30	29	28	29	25	30	25	26	30	34	30	20	25	24	32	16	17	20	23	22	20	18	23	29	
Bakersfield.....	Maximum	75	65	64	71	63	71	72	77	74	70	71	73	77	81	82	83	84	82	80	80	83	75	73	78	80	86	85	76	74	76	71.1	
	Minimum	53	49	47	47	45	49	43	43	49	52	51	46	46	48	50	47	49	49	48	49	47	49	43	41	41	41	41	41	40	39	46.1	
Barstow.....	Maximum	70	64	58	60	64	54	60	62	80	71	74	65	70	74	80	84	92	84	82	86	84	80	76	70	71	80	78	81	76	71	78	73.5
	Minimum	50	55	42	41	40	42	40	36	40	42	40	41	42	42	43	45	48	44	42	44	42	44	40	30	34	35	38	42	41	40	36	41.4
Blocksburg.....	Maximum
	Minimum
Calexico.....	Maximum	82	81	77	77	80	76	80	84	86	81	79	83	84	85	87	92	94	95	90	90	91	88	80	78	85	89	93	87	87	87	89	85.1
	Minimum	64	61	60	54	47	50	46	48	50	52	52	51	55	53	54	55	54	50	50	47	52	58	48	49	52	46	43	47	45	51.3		
Chico.....	Maximum	70	69	60	68	76	65	59	68	72	70	69	78	82	80	79	79	80	78	78	77	76	75	79	77	74	64	69	67	75	73.5		
	Minimum	47	46	47	44	35	42	50	52	50	55	52	48	47	50	48	44	52	46	47	43	42	35	42	39	40	41	38	37	37	44.4		
Colfax.....	Maximum	58	51	48	57	71	53	50	61	64	66	60	74	81	79	75	84	82	80	78	82	84	78	70	72	74	78	71	72	71	72	71.2	
	Minimum	46	43	30	36	43	36	37	40	42	41	35	40	42	39	43	48	44	48	44	47	46	40	45	38	32	34	35	35	40.3			
Colusa.....	Maximum	62	57	56	60	70	68	56	60	61	65	67	68	69	70	69	59	70	69	68	69	70	62	63	55	57	60	63	61	64	61.6		
	Minimum	56	49	45	57	49	56	51	50	54	50	49	50	48	52	49	46	48	45	47	40	41	41	44	44	38	40	41	41	47.7			
Escondido.....	Maximum	66	63	65	71	61	65	67	67	67	66	71	70	75	68	70	71	69	68	67	77	86	85	71	67	68	73	78	69.4				
	Minimum	58	60	47	43	41	52	40	39	47	43	45	55	55	57	51	51	54	52	49	43	52	49	38	42	37	49	42	32	36	46.6		
Eureka.....	Maximum	56	54	55	56	65	62	60	63	60	51	51	51	50	51	54	53	56	58	54	57	51	54	56	56	58	56	58	55.6				
	Minimum	45	44	44	41	38	44	47	48	45	45	45	49	47	47	46	45	46	47	46	44	48	42	39	48	45	44	48	43	44.8			
Fresno.....	Maximum	73	58	62	64	64	64	68	67	68	70	75	77	79	80	82	78	78	80	65	69	73	76	79	68	66	70	71	71.2				
	Minimum	54	49	45	48	50	48	54	53	54	52	48	52	47	53	52	49	49	47	51	50	46	50	45	48	44	39	41	42	48.3			
Hanford.....	Maximum	54	55	60	61	54	55	56	60	58	60	62	60	68	70	72	74	78	72	58	72	70	64	62	64.3								
	Minimum	42	45	48	46	44	46	48	42	45	40	50	48	46	44	46	48	42	44	46	40	46	40	38	34	32	36	38	34	42.9			
Hollister.....	Maximum	64	60	60	59	67	58	65	65	60	62	64	64	75	77	69	63	62	66	58	56	55	64	69	73	70	64	62	64.7				
	Minimum	52	49	40	47	41	49	46	46	50	47	52	48	48	49	50	50	48	49	47	43	43	37	35	39	42	42	34	34	45.2			
Independence.....	Maximum	70	56	57	54	52	52	56	62	62	56	62	64	72	76	78	76	76	74	74	74	74	68	72	72	72	72	72	72	72	66.3		
	Minimum	44	38	26	32	35	32	36	32	32	36	40	41	40	44	47	49	39	35	40	36	32	32	32	32	32	32	32	32	32	35.5		
Indio.....	Maximum	86	80	77	76	79	77	80	83	84	81	85	86	93	97	93	95	92	94	92	94	92	84	89	83	83	87	85	89	82	86.0		
	Minimum	64	59	53	55	51	51	51	54	51	55	56	58	60	62	55	61	56	54	60	52	50	50	49	59	52	51	48	45	53.2			
La Porte.....	Maximum	51	42	32	36	49	45	54	54	43	36	43	46	61	61	65	64	66	68	67	63	65	65	69	62	61	70	52	48	59	56.1		
	Minimum	41	31	29	33	34	30	35	32	33	34	30	34	34	32	35	38	38	37	33	36	38	37	31	30	29	35	34	34	35	34	35.4	
Lemon Cove.....	Maximum	76	74	58	62	64	64	67	64	69	66	60	69	71	74	75	77	76	76	71	71	71	74	72	70	64	70	69.5					
	Minimum	59	52	44	49	47	47	50	47	50	50	52	52	51	52	53	54	52	52	53	50	47	52	49	45	43	45	42	42	49.2			
Los Angeles.....	Maximum	66	63	64	64	68	62	64	68	67	65	66	68	64	65	64	63	64	62	64	60	65	63	64	65	64	65	64	65	67.3			
	Minimum	58	54	50	51	49	52	48	51	54	52	53	52	56	53	50	51	53	54	52	53	54	51	53	54	51	53	52	51	52.1			
Merced.....	Maximum	78	61	64	60	64	65	68	66	69	75	72	77	75	79	78	72	78	75	71	73	71	74	72	70	67	67	67	67	68.5			
	Minimum	58	52	38	44	42	48	50	43	45	50	47	46	47	46	45	47	47	42	42	47	44	38	40	42	36	35	40	41	44.1			
Mokelumne Hill.....	Maximum	64	60	55	66	65	63	65	66	66	65	66	68	76	78	70	74	75	76	76	76	75	75	75	75	75	75	75	75	75	75.5		
	Minimum	47	47	40	40	39	45	44	49	49	48	43	46	50	52	54	52	47	46	42	43	47	37	40	44	37	34	39	39	39.9			
Needles.....	Maximum	78	65	68	74	75	76	78	73	71	70	74	78	78	80	84	85	85	88	87	88	84	87	88	84	87	88	87	88	78.3			
	Minimum	62	52	54	51	45	44	45	50	51	50	48	50	50	51	52	53	52	52	50	48	47	48	47	45	47	45	46	47	50.4			
North Fork.....	Maximum	68	61	48	50	54	58	50	58	60	56	56	65	68	72	74	75	74	75	76	77	75	76	75	76	75	76	75	76	66.8			
	Minimum	42	41	32	36	34	38	40	37	42	43	36	43	41	42	44	41	40	47	47	43	47	40	35	36	34	33	32	34	38.2			
Oakland.....	Maximum	60	56	56	57	69	65	63	60	62	60	60	58	65	63	62	60	58	61	55	59	69	65	70	66	61	65	62	61	62.1			
	Minimum	53	47	45	47	41	51	53	52	52	52	51	49	51	50	51	49</td																