

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

CALIFORNIA SECTION.

EDWARD A. BEALS, District Forecaster.

VOL. XXIII. SAN FRANCISCO, AUGUST, 1919.

No. 8.

GENERAL SUMMARY.

No measurable rain fell in California during August, except in the elevated portions of southern California, where thunderstorms were accompanied by copious showers. The usual summer heat prevailed in the interior valleys, while cool winds and ocean fogs kept the temperatures relatively low along the coast. The first half of the month was moderately cool throughout the State, and freezing temperatures occurred in the Sierra Nevada Mountains on several mornings. The latter half of the month was much warmer. During a hot spell which prevailed from 19th-24th, temperatures of 110° , or higher, were recorded throughout the interior valleys, while temperatures exceeding 120° occurred at Greenland Ranch, in Death Valley. At the latter station, which is the hottest place in the United States during midsummer, the temperature never fell below 80° during the month, while the maximum temperature reached or exceeded 105° every day of the month, culminating with 123° on the 20th.

The summer has thus far been one of the driest on record. Because of the long-continued drought, streams maintained extremely low stages, and some of those tributary to the San Joaquin River reached the lowest stages in 20 years. There were numerous and destructive forest fires, many of them caused by lightning. Cloudless skies prevailed in the interior valleys, and the normal amount of sunshine was received throughout the State. While there were no general storms, many local thunderstorms, usually unaccompanied by rainfall, were experienced in the mountains.

Agriculturally, the weather during August was generally satisfactory. All irrigated crops made good progress, and ample irrigation water was available, except in portions of the San Joaquin Valley. Grazing cattle were in fair to good condition until near the close of the month, when feed on the ranges was nearly exhausted owing to the hot weather and the persistence of the drought. Excellent progress was made by corn, cotton, rice, citrus fruits, walnuts, potatoes and truck crops. High temperatures and unbroken sunshine in the interior of the State accelerated the maturing and the curing of fruit. There was harvested a great variety of fruit, including apricots, peaches, prunes, plums, pears, apples and grapes. No rain fell to injure drying fruit. Haying was largely completed for the season, except the late cuttings of alfalfa. While the bean and olive crops promise to be poor, all other crops are abundant, and in many cases the yields are the greatest on record in California.

A. H. P.

PRESSURE.

The mean sea level pressure, determined from the records of twelve regular Weather Bureau stations, was 29.95 inches. The highest was 30.27 inches at Eureka on the 19th; the lowest was 29.61 inches at Red Bluff on the 14th; the range for the State was 0.66 inch.

TEMPERATURE.

The monthly mean temperature for the State, as shown by the records of 99 stations, was 72.1° , which is 0.7° below the normal.

The highest monthly mean was 99.7° at Greenland Ranch; and the lowest was 53.8° at Point Reyes.

The highest temperature, 123° , occurred at Greenland Ranch on the 20th, and the lowest, 25° , occurred at Portola on the 1st, 2d, 9th and 12th.

The range for the State was 98° .

PRECIPITATION.

The average precipitation for the State, as shown by the records of 236 stations, was 0.03 inch, or 0.05 inch below the normal.

The greatest monthly amount was 3.37 inches, at Rose Mine. No rain fell at 159 stations.

The greatest amount in 24 hours was 1.61 inches at Rose Mine on the 31st.

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.....	93	83	88	182	43
Fresno.....	50	15	32	410	98
Independence.....	32	14	23	363	86
Los Angeles.....	90	62	76	336	81
Mount Tamalpais.....	37	35	36	414	98
Red Bluff.....	52	17	34	401	94
Sacramento.....	77	29	53	402	95
San Diego.....	90	78	84	266	64
San Francisco.....	90	78	84	202	48
San Jose.....	54	346	82
San Luis Obispo.....	91	58	74	341	82

WIND MOVEMENT.—(Miles.)

Stations.	Total mov. for month.	Ave. hr. velocity.	Maximum velocity.	Direction.		Prev. dir.
				Date.	Dir.	
Eureka.....	3,998	5.4	20	n.	31	nw.
Fresno.....	5,858	7.9	22	sw.	2	nw.
Independence.....	4,251	5.7	25	se.	8	se.
Los Angeles.....	3,857	5.2	16	s.	5	sw.
Mount Tamalpais.....	11,826	15.9	78	nw.	27	nw.
Point Reyes.....	14,404	19.4	68	nw.	27	nw.
Red Bluff.....	3,399	4.6	17	s.	26	se.
Sacramento.....	6,643	8.9	23	s.	10	s.
San Diego.....	4,426	5.9	20	nw.	30	nw.
San Francisco.....	9,157	12.3	38	sw.	1	sw.
San Jose.....	4,241	5.7	19	nw.	31	nw.
San Luis Obispo.....	2,742	3.7	14	nw.	7	nw.

COMPARATIVE DATA FOR AUGUST.

Year.	Mean temp.	Ave. precip.									
1897.....	73.9	0.03	1903.....	72.6	0.02	1909.....	72.1	0.19	1915.....	74.2	0.06
1898.....	74.5	0.02	1904.....	73.9	0.17	1910.....	72.5	0.01	1916.....	73.2	0.20
1899.....	70.8	0.11	1905.....	73.4	0.03	1911.....	70.1	0.00	1917.....	72.5	0.04
1900.....	71.0	0.02	1906.....	73.6	0.13	1912.....	70.2	0.06	1918.....	71.4	0.14
1901.....	75.6	0.12	1907.....	71.0	0.11	1913.....	74.8	0.30	1919.....	72.1	0.03
1902.....	71.8	0.06	1908.....	73.3	0.12	1914.....	72.1	0.02

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 August, 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		
Chula Vista**1.....	Evaporation.....	.182	.270	.266	.272	.263	.239	.235	.223	.222	.250	.238	.218	.232	.213	.181	.228	.248	.233	.251	.221	.175	.170	.171	.202	.220	.223	.237	.243	.127	.189	.6,863	
	Wind movement.....	.101	.99	.101	.105	.115	.110	.118	.99	.98	.104	.114	.102	.114	.88	.94	.101	.106	.109	.124	.103	.97	.80	.96	.103	.95	.90	.107	.83	.140	.106	.103	3,208
Dodgeland**2.....	Evaporation.....	.325	.373	.476	.340	.322	.285	.345	.329	.314	.289	.363	.242	.246	.299	.376	.327	.425	.310	.279	.445	.341	.329	.291	.381	.324	.309	.338	.355	.330	.390	.367	.10,460
	Wind movement.....	.42	.63	.85	.66	.49	.47	.41	.45	.40	.91	.30	.30	.27	.34	.37	.68	.41	.24	.48	.33	.34	.32	.44	.52	.47	.50	.53	.38	.61	.79	1,510	
Oakdale (near)**3.....	Evaporation.....	.465	.417	.380	.416	.377	.389	.443	.448	.375	.438	.382	.416	.396	.520	.464	.545	.465	.421	.581	.571	.475	.481	.398	.504	.547	.556	.577	.566	.502	.494	.384	.14,394
	Wind movement.....	.113	.36	.120	.137	.146	.165	.194	.182	.152	.150	.203	.157	.101	.102	.84	.150	.197	.178	.183	.152	.99	.158	.115	.105	.130	.176	.146	.140	.156	.188	4,403	
Tahoe**4.....	Evaporation.....	.100	.220	.290	.170	.240	.200	.160	.070	.260	.100	.300	.160	.210	.150	.250	.250	.240	.220	.220	.170	.370	.190	.250	.170	.290	.130	.150	.250	.160	.240	.090	6,270
	Wind movement.....	.28	.89	.108	.109	.108	.7	.81	.116	.52	.86	.89	.47	.44	.57	.47	.55	.53	.58	.77	.66	.68	.116	.89	.108	.86	.74	.83	.14	.47	.65	138	2,215

* 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.

Climatological Data for August, 1919.

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.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Snowfall (un- melted).	Precipitation of 1 inch or more.	Clear.	Partly cloudy.	Cloudy.			
Alturas.....	Modoc.	4,400 15	66.0	+0.7	99	20	35	11	58	0.03	-0.17	0.08	0	1	25	6	0	w.	Prof. C. R. Towle.
Antioch.....	Contra Costa.	46 40	72.6	-1.9	100	+19	45	14	53	0.00	-0.02	0.00	0	0	31	6	7	sw.	C. G. McDaniel.
Atascadero.....	San Luis Obispo.	837 3	66.4	-	105	20	35	11	60	0.00	-	0.00	0	0	21	3	7	sw.	Colony Holding Corp.
Azusa.....	Los Angeles.	30 17	76.0	+2.2	102	12	51	3	48	T.	-0.08	T.	0	0	23	8	0	sw.	C. C. Hillis.
Bakersfield.....	Kern.	404 30	81.4	-1.6	110	21	56	11	40	0.00	-0.01	0.00	0	0	28	2	1	nw.	Santa Fe Co.
Barstow.....	San Bernardino.	2,105 16	82.6	-0.2	107	+20	54	4	41	0.00	-0.15	0.00	0	0	29	2	1	w.	E. L. White.
Berkely.....	Alameda.	317 32	61.6	+0.7	85	27	49	12	31	T.	-0.05	T.	0	0	18	1	12	sw.	State University.
Betteravia.....	Santa Barbara.	155 6	62.6	-	80	12	48	13	30	0.00	-	0.00	0	0	24	5	2	w.	Union Sugar Co.
Blue Canon.....	Placer.	4,695 20	71.3	+7.4	97	20	40	31	46	0.00	-0.09	0.00	0	0	31	0	0	sw.	Southern Pacific Co.
Blythe.....	Riverside.	268 10	91.4	-	118	13	67	3	43	0.30	-0.15	0.15	0	0	25	0	6	s.	C. L. Suits.
Bonita.....	San Diego.	110 3	71.0	-	92	26	51	12	36	T.	-	T.	0	0	29	1	1	w.	R. M. Allen.
Branscomb.....	Mendocino.	2,000 19	66.8	+1.5	99	20	39	12	52	0.00	-0.04	0.00	0	0	30	1	0	n.	A. J. Haun.
Brawley.....	Imperial.	-105 9	-	-	-	-	-	-	-	T.	-	T.	0	0	-	-	-	w.	M. D. Witter.
Calexico.....	-	0 14	90.2	+0.6	113	67	4	38	0.00	-0.70	0.00	0	0	23	4	4	se.	H. M. Rouse.	
Camptonville (near).....	Yuba.	3,500 12	73.9	-	102	19	46	11	40	T.	-	T.	0	0	26	4	1	w.	Pacific Gas & Electric Co.
Chico.....	Butte.	189 49	76.7	-4.8	112	19	45	12	55	0.00	-0.02	0.00	0	0	29	2	0	se.	U. S. Bureau Plant Ind.
Claremont.....	Los Angeles.	1,200 27	74.9	+1.9	104	12	49	3	48	0.00	-0.05	0.00	0	0	26	5	0	sw.	Prof. F. P. Brackett.
Cloverdale.....	Sonoma.	340 17	70.3	+0.2	107	19	44	2	57	T.	0	T.	0	0	30	1	0	s.	John O. Ogle.
Colfax.....	Placer.	2,421 48	75.4	-1.1	102	19	49	11	36	0.00	-0.02	0.00	0	0	31	0	0	w.	Southern Pacific Co.
Corona.....	Riverside.	615 5	67.2	-	105	+12	53	13	49	0.00	-	0.00	0	0	28	3	0	sw.	Thos. E. Peacock.
Crescent City.....	Del Norte.	125 5	60.3	+4.1	101	14	51	19	51	0.00	-0.52	0.00	0	0	28	3	0	nw.	Prof. S. H. Beckett.
Davis.....	Yolo.	51 47	74.2	+0.1	111	19	47	5	59	0.00	-0.01	0.00	0	0	29	2	0	sw.	J. T. Mason.
Downieville.....	Sierra.	3,150 5	68.0	-	102	14	36	12	55	T.	-	T.	0	0	26	4	1	s.	R. W. Durham.
Durham.....	Butte.	260 24	79.2	+3.1	113	19	45	10	51	0.00	-0.03	0.00	0	0	29	2	0	sw.	Eugene P. Kessler.
El Cajon.....	San Diego.	482 20	73.8	+0.3	96	+12	52	12	44	0.10	-0.01	0.10	0	0	29	2	0	ne.	W. L. Wilhite.
Elsinore.....	Riverside.	1,300 3	80.2	-	109	+21	52	13	54	0.04	-	0.04	0	0	23	2	6	w.	H. L. Harlow.
Eskridge.....	San Diego.	657 25	71.2	-1.0	95	13	49	12	44	0.08	0	0.08	0	0	28	0	3	nw.	U. S. Weather Bureau.
EUREKA.....	Humboldt.	64 33	55.9	+0.1	68	31	48	25	17	0.01	-0.09	0.01	0	0	31	3	14	sw.	G. I. Marvin.
Folsom.....	Sacramento.	232 46	76.0	-1.7	105	+14	50	14	47	0.00	-0.02	0.00	0	0	25	4	2	e.	Fontana Land Co.
Fontana.....	San Bernardino.	1,325 7	71.5	-	99	13	46	14	55	T.	-	T.	0	0	31	0	0	sw.	C. R. Decictus.
Fort Bidwell.....	Modoc.	4,375 30	70.6	-0.1	98	20	45	5	44	0.01	-0.20	0.01	0	0	12	14	5	nw.	U. S. Weather Bureau.
FRESNO.....	Fresno.	293 32	81.2	0	108	21	54	11	40	0.00	0	0.00	0	0	30	1	0	sw.	Mrs. L. M. Wentworth.
Grass Valley.....	Nevada.	2,690 47	74.8	-	98	+19	50	11	32	T.	-0.04	T.	0	0	27	4	0	sw.	O. A. Denton.
Greenland Ranch.....	Inyo.	-178 8	99.7	-	123	20	80	14	40	0.00	-	0.00	0	0	26	0	5	n.	Santa Fe Co.
Hanford.....	Kings.	249 19	71.7	+4.2	108	+22	54	12	48	0.00	0	0.00	0	0	31	0	0	s.	Dr. F. J. Kinley.
Healdsburg.....	Sonoma.	110 26	67.6	+1.1	99	23	42	17	49	0.00	-0.01	0.00	0	0	7	6	18	sw.	Grangers' Union.
Hollister.....	San Benito.	284 45	64.8	-1.9	91	24	45	11	37	0.00	-0.04	0.00	0	0	30	1	0	se.	U. S. Weather Bureau.
INDEPENDENCE.....	Inyo.	3,957 23	77.9	+1.5	101	20	52	4	39	0.00	-0.10	0.00	0	0	24	7	0	se.	U. S. Bureau Plant Ind.
Indio.....	Riverside.	-20 41	73.2	-0.7	115	+13	70	4	37	0.20	+0.03	0.20	0	0	23	4	4	sw.	Pacific Gas & Electric Co.
Inskip.....	Butte.	4,975 12	68.8	-	92	20	50	11	26	0.00	-	0.00	0	0	23	7	1	sw.	A. J. Reef.
Kennett.....	Shasta.	730 7	80.3	-	105	20	53	10	52	T.	-	T.	0	0	31	0	0	sw.	Southern Pacific Co.
King City.....	Monterey.	333 32	68.7	+1.6	109	+14	50	12	58	0.00	0	0.00	0	0	31	0	0	s.	C. W. Hendel.
La Porte.....	Plumas.	5,000 25	60.4	-0.9	96	30	32	14	44	0.00	-0.12	0.00	0	0	31	0	0	nw.	The Director.
Lemon Cove.....	Tulare.	600 24	80.1	+0.1	109	21	53	3	44	0.00	-	0.00	0	0	27	3	1	nw.	Basil Prior.
Lick Observatory.....	Santa Clara.	4,209 30	69.9	+0.5	89	+18	52	14	26	T.	-0.02	T.	0	0	30	1	0	sw.	G. F. Marsh.
Lindsay.....	Tulare.	384 5	80.1	-	108	+15	50	11	51	0.00	-0.02	0.00	0	0	23	8	0	sw.	U. S. Weather Bureau.
Long Pine.....	Inyo.	3,728 14	73.6	+1.1	99	19	45	13	49	0.00	-0.22	0.00	0	0	27	4	0	s.	McCloud River Lbr. Co.
LOS ANGELES.....	Los Angeles.	293 42	70.2	-1.3	89	12	55	15	29	T.	0	T.	0	0	22	9	0	sw.	J. H. Williams.
McCloud.....	Siskiyou.	3,270 9	63.4	-	99	20	34	11	58	0.00	-	0.00	0	0	30	1	0	s.	Southern Pacific Co.
Madeline.....	Lassen.	5,270 10	63.6	-	95	20	32	11	52	T.	-	T.	0	0	21	7	3	sw.	J. H. Williams.
Marysville.....	Yuba.	67 48	74.0	-4.9	108	19	50	5	49	0.00	-0.01	0.00	0	0	30	1	0	w.	Cooperative Date Garden.
Mecca.....	Riverside.	-185 13	92.2	+3.4	115	13	62	4	42	0.90	+0.35	0.90	0	0	24	1	6	se.	Chabot Observatory.
Merced.....	Merced.	178 45	77.2	-2.1	106	20	51	11	45	0.00	-0.02	0.00	0	0	31	0	0	nw.	Thomas Cole.
MOUNT TAMALPAIS.....	Marin.	2,875 20	68.4	+2.5	90	14	44	11	29	T.	-0.01	T.	0	0	27	4	0	sw.	Morris S. Jones.
Mount Wilson.....	Los Angeles.	5,704 2	72.2	-	100	21	55	12	48	0.00	-	0.00	0	0	24	7	0	s.	State Hospital.
Napa.....	Napa.	20 42	64.6	-2.4	99	27	45	13	52	0.00	-0.02	0.00	0	0	16	15	0	s.	State Hospital.
Needles.....	San Bernardino.	477 27	93.8	+1.1	118	13	66	4	47	0.20	-0.39	0.20	0	0	22	5	4	se.	Santa Fe Co.
Nevada City.....	Nevada.	2,850 27	66.8	-1.3	99	19	35	19	53	T.	-0.04	T.	0	0	25	5	1	sw.	B. H. Preston.
Newman.....	Stanislaus.	91 30	74.0	-6.2	103	+15	44	11	49	0.00	-0.02	0.00	0	0	31	0	0	sw.	E. S. Wangenheim.
Oakland.....	Alameda.	322 43	61.3	0	80	14	51	14	29	T.	-0.03	T.	0	0	19	9	3	w.	Chabot Observatory.
Orland.....	Glenn.	254 37	78.2	-6.0	112	19	50	11	46	T.	-0.01	T.	0	0	23	4	4	ne.	U. S. Rec. Service.
Oroville (near).....	Plumas.	250 35	76.5	-2.1	110	20	49	19	47	0.00	-0.02	0.00	0	0	28	1	2	sw.	Thomas Cole.
Pasadena.....	Los Angeles.	868 29	73.0	-0.5	100	12	48	11	50	0.00	-0.02	0.00	0	0	27	4	0	s.	Morris S. Jones.
Paso Robles.....	San Luis Obispo.	860 32	71.6	+1.4	112	21	40	11	61	0.00	-0.07	0.00	0	0	31	0	0	sw.	E. J. NYC.
Petaluma.....	Sonoma.	9 5	64.0	+1.1	94	22	39	1	47	0.00	-0.01	0.00	0	0	27	4	0	w.	John Madis.
Placerville.....	El Dorado.	1,925 30	71.1	+1.1	102	20	40	14	56	0.00	-0.03	0.00	0	0	31	0	0	sw.	O. E. Hall.
POINT REYES.....	Marin.	490 27	53.8																

Daily Precipitation for August, 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 August, 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.....	95	96	97	95	94	96	94	93	95	93	90	92	97	103	106	105	100	99	101	108	110	109	109	107	102	101	100	99	100	98	97	99.4	
.....j Minimum.....	58	60	61	58	57	60	59	58	60	58	56	58	60	64	67	66	67	68	70	71	68	70	67	64	64	67	67	65	64	63.5			
Calexico.....	100	102	103	103	104	102	104	105	107	108	103	110	113	105	96	100	103	106	110	113	106	106	107	105	92	102	105	105	101	95	104.2		
.....j Minimum.....	76	73	71	67	69	72	77	74	75	76	73	75	75	79	82	77	76	80	81	81	78	81	81	78	79	82	78	74	73	72	80	78	76.2
Chico.....	92	89	85	88	92	92	94	89	92	93	88	95	102	103	104	100	95	102	112	105	102	103	102	100	98	100	99	97	92	97	96.7		
.....j Minimum.....	52	50	50	52	48	52	53	55	52	51	46	45	59	61	63	60	52	56	57	64	62	55	62	62	59	64	68	66	58	56	56.7		
Escondido.....	80	83	82	80	85	82	88	87	85	85	90	93	95	91	87	92	91	89	89	93	91	87	87	85	89	92	91	83	82	82	80	86.8	
.....j Minimum.....	59	58	50	55	51	54	58	58	51	55	50	49	51	50	54	59	59	56	56	57	57	59	58	58	59	61	57	56	57	61	59	55.7	
Eureka.....	59	59	61	61	59	58	58	58	59	62	59	65	57	56	61	58	57	57	62	58	59	65	66	56	66	61	66	68	60.3				
.....j Minimum.....	51	52	52	54	53	52	52	53	52	50	49	52	50	51	52	52	52	50	49	49	51	51	50	50	48	51	50	51	54	55	51.5		
Fresno.....	95	92	91	92	92	95	96	92	95	99	94	104	106	104	99	99	103	108	108	106	105	105	102	99	95	100	96	98	95.2				
.....j Minimum.....	60	60	58	58	58	61	60	60	57	60	54	58	63	67	66	59	64	70	72	73	68	69	72	70	68	65	74	70	66	61	64.1		
Independence.....	89	87	89	88	89	91	92	91	94	95	94	96	97	98	93	91	96	100	101	101	97	97	95	95	95	95	95	95	95	90	94.1		
.....j Minimum.....	55	55	53	52	54	54	57	63	53	55	61	65	57	59	60	61	65	63	73	72	66	66	63	65	67	61	67	61.7					
Los Angeles.....	77	77	74	75	75	76	77	79	76	84	89	88	81	77	83	89	80	84	81	82	79	78	86	84	84	77	78	77	82	80.1			
.....j Minimum.....	60	60	59	59	60	61	59	59	58	57	60	58	57	60	63	60	63	61	61	64	63	60	60	62	62	61	61	60	64.4				
Merced.....	92	89	88	89	90	91	91	89	92	90	87	93	88	102	104	99	95	98	103	106	105	103	103	103	101	99	95	93	89	95.7			
.....j Minimum.....	54	54	54	53	55	56	57	55	52	53	51	51	53	59	63	57	56	59	63	67	63	65	64	67	67	64	60	58.8					
Mount Tamalpais.....	72	64	69	70	70	67	71	68	68	66	70	79	83	90	84	67	74	81	88	89	81	80	77	79	79	76	71	71	76.5				
.....j Minimum.....	58	56	53	54	54	54	55	50	62	46	44	63	69	75	62	45	61	74	80	73	72	74	70	69	66	67	62	50	60.4				
Oakland.....	63	61	60	61	63	62	63	60	65	61	67	74	69	80	69	66	64	73	72	63	68	76	77	78	76	70	65	67	68.5				
.....j Minimum.....	53	53	53	53	53	53	52	52	52	52	53	52	52	51	52	54	53	53	54	55	55	54	54	57	57	57	57	54.1					
Orland.....	91	89	88	87	91	92	93	97	90	91	85	99	103	109	104	99	98	102	112	102	102	102	101	99	99	100	100	99	99.8				
.....j Minimum.....	54	54	54	54	53	56	55	55	54	54	50	56	64	63	56	56	66	67	66	62	65	66	66	65	66	65	65	65	59.5				
Oroville.....	90	90	86	84	86	91	92	94	85	92	90	87	90	100	100	102	95	95	100	110	102	100	101	100	100	98	95	95	95.2				
.....j Minimum.....	52	50	52	53	55	55	52	52	53	55	49	55	49	55	52	60	62	57	55	65	63	63	68	58	58	62	66	57.8					
Paso Robles.....	94	90	84	89	86	87	86	89	90	90	97	88	94	98	102	104	100	95	100	107	112	110	104	107	107	105	98	96	95.5				
.....j Minimum.....	40	40	40	43	41	42	44	47	45	42	45	45	44	44	43	44	46	45	44	50	51	51	51	51	51	51	51	51	48	46.6			
Point Reyes.....	55	55	52	52	54	55	56	56	53	57	58	57	52	58	59	57	53	56	63	62	60	57	56	59	59	59	59	59	59	57.7			
.....j Minimum.....	48	47	48	47	48	49	48	49	48	49	42	51	57	58	57	52	58	59	57	63	63	62	60	57	56	59	59	59	52	49.8			
Pomona.....	87	88	88	88	87	90	91	93	92	93	97	102	102	99	96	97	96	97	96	95	96	95	96	95	95	95	95	95	95	95.2			
.....j Minimum.....	58	59	57	57	56	56	50	52	49	52	45	47	48	46	51	56	60	60	55	55	58	62	61	55	55	54	53	58	54.6				
Porterville.....	97	94	94	94	94	95	96	97	96	99	95	100	100	104	103	106	103	103	105	108	105	104	105	104	104	104	104	104	104	100.2			
Red Bluff.....	57	57	57	57	58	58	60	58	59	58	54	58	63	64	66	64	64	64	64	64	64	64	64	64	64	64	64	64	64	62.7			
Redlands.....	61	57	57	57	58	58	60	60	58	58	59	58	59	60	61	62	62	60	62	60	61	61	60	61	61	61	61	61	61	61	59.3		
.....j Minimum.....	57	57	50	53	53	55	57	59	54	54	57	59	59	60	66	66	66	66	61	61	62	60	61	61	61	61	61	61	61	59.0			
Sacramento.....	81	75	75	78	84	82	85	77	89	77	85	90	99	97	97	83	86	97	95	99	96	97	97	98	98	98	98	98	98	98	98.3		
.....j Minimum.....	52	51	51	52	50	52	50	50	50	50	50	50	54	59	59	62	62	56	55	57	57	57	57	57	57	57	57	57	56.2				
San Bernardino.....	89	91	89	89	91	94	95	96	96	97	100	100	105	104	103	99	97	96	97	95	101	98	100	99	98	99	98	98	98	98.7			
.....j Minimum.....	56	55	49	52	54	55	55	57	55	52	51	51	55	56	64	64	64	64	60	59	61	60	60	60	60	60	60	60	56.6				
San Diego.....	69	70	71	70	71	71	72	71	73	72	75	75	78	72	72	77	76	74	75	74	73	73	72	73	78	76	73	73	72.9				
.....j Minimum.....	62	62	62	62	63	63	64	62	63	63	63	66	66	66	64	65	63	64	65	65	66	66	65	64	63.8								
San Francisco.....	61	57	58	59	60	59	62	59	61	60	66	66	61	68	62	63	63	66	68	68	68	68	68	68	68	68	68	68	64.3				
.....j Minimum.....	50	51	51	52	52	51	51	50	53	52	51	50	53	56	53	52	52	52	54	51	53	53	50	54	57	56	56	52.4					
San Jose.....	76	75	73	73	74	74	74	75	71	74	80	79	79	72	79	80	90	87	72	72	91	85	84	86	85	81	81	76	76	73.1			
.....j Minimum.....	46	46	51	53	55	55	53	55	51	50	44	47	49	52	53	55	55	56	56	54	54	54	54	53	53	55	55	55	52.5				
San Luis Obispo.....	74	68	70	69	71	68	68	68	73	89	83	80	78	77	77	70	77	79	82	81	78	81	81	80	77	7							