

OCTOBER, 1920.

CLIMATOLOGICAL DATA: CALIFORNIA SECTION.

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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

CALIFORNIA SECTION.

EDWARD A. BEALS, METEOROLOGIST.

Vol. XXIV. SAN FRANCISCO, OCTOBER, 1920. No. 10.

GENERAL SUMMARY.

October was abnormally cold in California, except along the coast, where temperatures were slightly above normal. The nights were cold, and frosts occurred frequently. Precipitation was heavier than is usual during October, the excess being marked along the northern coast, where the total amount exceeded 10 inches. The autumn rains started earlier than usual, and snowfall in the Sierra Nevada Mountains was abundant. However, most of the snow melted rapidly, and at the close of the month only the higher peaks remained snow-covered. As the rains came in well distributed showers the moisture was largely absorbed by the soil which had become extremely dry as a result of the long-continued drought. Stages of streams showed only moderate rises. Depleted water supplies were replenished and reservoirs were partially refilled by the timely rains. The restrictions in the use of electric power which had long been in effect because of the shortage of hydroelectricity resulting from the long drought were all removed during October. There were no severe general storms, but destructive lightning accompanied a local thunderstorm at Pomona on the 30th. Sunshine was deficient in the northern and central portions of the State. The wind movement was normal.

The weather was generally favorable from an agricultural viewpoint. Generous showers relieved the drought, revived pastures and ranges, reinvigorated orchards, and made fall plowing possible by softening the soil. Seeding of winter growing grains was started. It was good harvest weather for corn, sugar beets, potatoes, almonds, apples, prunes, and olives. Beans were also gathered, but the crop proved to be small. Showers and cool weather delayed the maturing of rice, and its harvest was therefore later than usual. Cotton picking proceeded without interruption, and a good crop was gathered. The yield of walnuts was disappointing. The raisin and grape harvests were largely completed; the raisin crop was found to be smaller than that of last year; overcast skies and occasional showers delayed the sun-curing of this crop. Frost terminated the growing season of tomatoes and garden vegetables, and nipped the foliage of beans, cotton, corn and grain sorghums, with slight damage in some instances, but more generally they were helpful in checking further growth and in bringing about more rapid maturity. The new crop of citrus fruits made good progress toward maturity, and the outlook is favorable for large crops. At the close of the month the agricultural situation for the State as a whole was excellent.

A. H. P.

PRESSURE.

The mean sea-level pressure, determined from the records of 12 regular Weather Bureau stations, was 30.00 inches. The highest was 30.34 inches at Eureka on the 13th; the lowest was 29.59 inches at Independence on the 18th; the range for the State was 0.75 inch.

TEMPERATURE.

The monthly mean temperature for the State, as shown by the records of 97 stations, was 57.0°, which is 4.1° below the normal. The highest monthly mean was 69.7°, at Indio; and the lowest was 57.4°, at Summit.

The highest temperature, 115°, occurred at Blythe on the 7th; and the lowest, 39°, occurred at Portola on the 31st. The range for the State was 106°.

PRECIPITATION.

The average precipitation for the State, as shown by the records of 245 stations, was 2.52 inches, or 1.07 inches above the normal. The greatest monthly amount was 14.24 inches, at Crescent City. No rain fell at Llano.

The greatest amount in 24 hours was 4.00 inches at Squirrel Inn on the 18th.

RELATIVE HUMIDITY, SUNSHINE AND CLOUDINESS.

Stations.	Relative humidity Per cent.			Sunshine.	
	5 a.m.	5 p.m.	Mean.	Actual No. of hours	Percent of possible.
Eureka.....	89	78	84	180	52
Fresno.....	75	39	57	305	88
Independence.....	47	27	37	290	83
Los Angeles.....	71	59	65	256	73
Mount Tamalpais.....	72	66	69	247	71
Red Bluff.....	77	45	61	232	75
Sacramento.....	82	44	63	282	81
San Diego.....	78	63	73	288	82
San Francisco.....	81	62	72	280	81
San Jose.....	49	49	49	284	76
San Luis Obispo.....	76	60	68	280	80

WIND MOVEMENT.—(Miles.)

Stations.	Total mov. for month.	Ave. hr. velocity.	Maximum velocity.	Direction.		Date.	Prev dir.
				Direction.	Date.		
Eureka.....	5,019	6.7	34	11.	29	se.	
Fresno.....	3,940	5.3	30	11w.	12	nw.	
Independence.....	4,590	5.2	30	w.	12	nw.	
Los Angeles.....	4,184	5.6	24	sw.	13	sw.	
Mount Tamalpais.....	14,821	19.9	68	ne.	29	nw.	
Point Reyes.....	16,360	22.0	64	11w.	12	nw.	
Red Bluff.....	4,748	6.4	34	nw.	29	n.	
Sacramento.....	5,181	7.0	35	nw.	30	nw.	
San Diego.....	4,674	6.8	24	se.	29	w.	
San Francisco.....	6,772	9.1	38	11.	29	w.	
San Jose.....	4,620	6.2	39	w.	29	nw.	
San Luis Obispo.....	3,064	4.1	18	w.	12	nw.	

COMPARATIVE DATA FOR OCTOBER.

Year	Mean temp.	Ave. precip.	Year	Mean precip.	Ave. temp.	Year	Mean temp.	Ave. precip.	Year	Mean temp.	Ave. precip.
1897....	58.5	1.79	1903....	64.0	0.49	1909....	60.2	1.66	1915....	62.3	0.14
1898....	61.0	0.59	1904....	61.6	2.74	1910....	61.9	0.83	1916....	55.0	1.91
1899....	58.1	3.50	1905....	60.7	0.12	1911....	59.1	0.5*	1917....	64.4	0.01
1900....	58.8	2.34	1906....	63.4	0.09	1912....	57.1	0.36	1918....	62.9	1.02
1901....	63.2	1.50	1907....	62.0	1.56	1913....	61.9	0.08	1919....	57.6	0.63
1902....	60.7	1.78	1908....	58.3	1.37	1914....	60.2	1.60	1920....	57.0	2.52

Daily evaporation (inches) and wind movement (miles) for October.

Stations.	Data.	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
Chula Vista**....	Evaporation.....	.188	.182	.190	.109	.140	.160	.174	.178	.170	.187	.143	.197	.194	.143	.147	.151	.160	.194	.166	.178	.126	.145	.181	.191	.221	.106	.092	.089	.205	.121	.137	4.970
	Wind movement.....	.88	.87	.93	.51	.84	.109	.95	.92	.105	.115	.100	.148	.114	.58	.70	.89	.91	.184	.176	.100	.42	.70	.86	.92	.40	.55	.52	.73	.178	.11.1	.118	2.970
Dodgeland*....	Evaporation.....	.203	.023	.128	.194	.261	.231	.249	.032	.142	.004	.000	.013	.082	.126	.084	.095	.036	.156	.097	.054	.013	.042	.020	.154	.116	.062	.083	.007	.190	.323	.20*	3.531
	Wind movement.....	.58	0	11	8	.29	.24	10	.34	7	9	10	.28	.46	.27	.20	8	.22	.31	.68	.31	9	.19	7	.23	.42	6	5	.61	.83	.124	.98	.917
Oakdale (near)*....	Evaporation.....	.175	.294	.272	.261	.244	.260	.097	.163	.162	.000	.123	.172	.117	.210	.073	.179	.148	.020	.100	.071	.093	.030	.180	.105	.086	.106	.138	.096	.175	.143	.260	4.560
	Wind movement.....	.135	.150	.105	.85	.105	.130	.110	.50	.80	.180	.65	.80	.155	.145	.55	.85	.85	.140	.130	.70	.75	.56	.80	.45	.45	.55	.65	.86	.160	.170	.30	3.040
Tahoe*....	Evaporation.....	.050	.060	.010	.050	.130	.090	.000	.100	.000	.050	.130	.100	.110	.150	.160	.000	.000	.000	.160	.030	.070	.140	.080	.080	.050	.110	.130	.180	.210	.2580		
	Wind movement.....	.55	.55	.86	.98	.75	.67	.86	.81	.57	.47	.106	.128	.67	.55	.41	.25	9	.58	.102	.77	.117	.69	.75	.62	.80	.44	.56	.101	.107	.140	.137	.2333

* Observations taken at 7 a.m.; ** at 8 a.m. † Included in the next following entry.

Climatological Data for October, 1920.

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.	Greatest in 24 hours.	Departure from the normal.	Snowfall (un-melted).	Precipitation of inch or more.	Cloudy.	Partly cloudy.		
Antioch	Courta Costra	46	41	61.4	-2.0	89	+1	40	19	43	1.11	+ .41	.34	0	3	0	31	0	C. G. McDaniel,
Atascadero	San Luis Obispo	837	4	60.4	.....	76	+4	27	21	45	1.04	+ .40	.40	0	3	20	6	5	Colony Holding Corp.
Bakersfield	Kern	404	31	60.4	-5.1	87	-4	36	+21	43	.63	+ .27	.40	0	3	12	10	9	Santa Fe Co.
Barstow	San Bernardino	2,105	17	58.8	-5.2	92	-4	30	21	42	.10	- .41	.10	1	27	1	3	3	E. L. White.
Berkeley	Alameda	317	33	59.4	+0.1	81	+23	43	7	32	1.84	+ .35	.95	0	7	16	15	0	State University.
Blue Canon	Placer	4,695	21	48.7	-4.3	78	-2	29	16	46	7.71	+3.79	2.20	8.0	6	15	0	16	Southern Pacific Co.
Blythe	Riverside	268	11	69.2	.....	115	-7	31	21	68	.39	.....	.39	0	1	27	2	2	Palo Verde Water Co.
Bonita	San Diego	110	4	60.8	.....	82	13	38	20	39	4.27	.....	.12	0	3	25	6	0	R. M. Allen.
Branscom	Mendocino	2,000	20	51.3	-4.9	82	-23	30	+16	41	7.53	+1.72	3.05	0	10	15	8	A. J. Haun.	
Brawley	Imperial	-105	10	68.2	.....	96	6	41	+21	44	1.2	.....	.77	0	3	18	9	0	M. D. Witter.
Caledict	Imperial	0	15	65.8	-6.5	102	-3	41	21	45	.10	- .06	.10	0	6	22	5	4	H. M. Rouse.
Chico	Butte	189	50	55.4	-6.0	87	-3	33	+12	45	1.90	+ .70	.77	0	4	2	2	4	U. S. Bureau Plant Ind.
Chula Vista	San Diego	73	25	58.6	.....	73	25	42	20	24	.39	.....	.33	0	4	2	2	2	Western Salt Works.
Claremont	Los Angeles	1,200	28	61.0	-3.4	94	+7	36	21	45	2.60	+1.58	1.33	0	1	26	3	2	Prof. F. P. Brackett.
Cloverdale	Sonoma	340	18	58.2	-4.2	84	+3	35	31	33	3.06	+1.20	1.17	0	10	16	7	8	John O. Ogle.
Colfax	Placer	2,421	49	53.4	-6.1	78	+3	34	13	33	5.93	+3.55	2.08	0	7	19	5	7	Southern Pacific Co.
Colusa	Colusa	60	17	57.4	-4.2	83	-4	38	+16	35	1.23	+ .71	.60	0	6	20	3	8	E. A. Houchins.
Corona	Riverside	615	6	63.2	.....	91	1	37	+20	40	1.30	.....	.81	0	3	15	7	9	Edwin T. Brink.
Crescent City	Del Norte	125	6	55.1	+1.7	78	-24	35	+20	27	14.24	+9.03	3.90	0	12	12	2	17	Thos. E. Peacock.
Davis	Yolo	51	48	58.6	-6.3	88	3	35	16	44	1.46	+ .71	.62	0	5	28	2	1	Prof. S. H. Beckett.
Dodgeland	Butte	125	2	57.7	.....	84	-4	36	20	40	1.28	.....	.71	0	7	12	7	12	Dodge Land Co.
Durham	Butte	160	25	55.2	.....	83	-27	36	20	41	2.52	.....	.0	0	0	0	0	0	R. W. Durham.
El Cajon	San Diego	482	21	61.2	-4.3	87	-6	36	14	48	.74	+ .24	.54	0	4	28	4	1	Eugene P. Kessler.
Elsinore	Riverside	1,300	4	62.8	.....	99	1	36	+20	47	.97	.....	.42	0	4	15	13	3	W. L. Wilhite.
Escondido	San Diego	742	26	60.2	-1.9	84	+6	31	21	46	.82	+ .29	.43	0	3	19	6	6	H. L. Harlow.
EUREKA	Humboldt	64	34	54.5	+1.4	72	-6	38	31	21	4.11	+1.46	1.16	0	16	12	5	14	U. S. Weather Bureau.
Folsom	Sacramento	252	47	59.6	-4.0	82	-4	36	20	34	3.28	+2.02	.97	0	24	0	7	5	Mrs. G. I. Marvin.
Fontana	San Bernardino	1,325	8	59.2	.....	83	-27	36	20	41	1.23	.....	.4	0	26	3	3	Fontana Land Co.	
Fort Bidwell	Modoc	4,375	31	45.0	-5.6	78	-4	23	15	45	1.23	+ .27	.38	1.0	9	5	14	C. R. Deacons.	
FRESCO	Fresno	293	38	60.0	-4.7	87	-4	39	20	32	.84	+1.12	.29	0	6	24	5	2	U. S. Weather Bureau.
Grass Valley	Nevada	2,690	48	53.2	.....	76	+3	32	+13	30	7.18	+4.38	1.73	0	9	20	4	7	Mrs. L. M. Wentworth.
Greenland Ranch	Inyo	-178	9	63.6	.....	96	-5	45	+22	46	2.20	.....	.20	0	1	19	0	12	O. A. Denton.
Hanford	Kings	249	20	52.4	-11.3	72	-5	32	31	30	.85	+ .57	.30	0	5	21	0	10	Santa Fe Co.
Healdsburg	Sonoma	110	27	57.9	-3.5	92	3	34	31	44	3.58	+1.31	1.35	0	8	9	16	6	Dr. F. J. Kinley.
Hollister	San Benito	284	46	57.2	-3.4	83	-3	35	31	38	1.44	+ .74	.49	0	8	22	4	5	Grangers' Union.
INDEPENDENCE	Inyo	3,057	24	54.0	-5.3	83	-1	28	19	32	.11	- .22	.11	0	1	24	3	4	U. S. Weather Bureau.
Indio	Riverside	-20	42	69.7	-5.7	98	-6	42	+22	44	.06	- .05	.03	0	2	21	9	1	U. S. Bureau Plant Ind.
Inskip	Butte	4,975	13	45.0	.....	66	+3	28	+13	41	6.70	.....	1.90	9.2	10	13	5	13	Pacific Gas & Electric Co.
Kennett	Shasta	730	8	57.7	.....	88	3	36	+12	41	3.73	.....	1.26	0	9	20	2	9	Mammoth Copper Mine.
La Porte	Plumas	5,009	26	38.3	-10.4	67	-3	21	13	34	6.58	+1.67	1.92	12.5	9	14	8	9	Wm. Schuld.
Lemon Cove	Tulare	600	25	60.8	-6.6	90	4	40	21	43	.68	- .07	.23	0	6	22	4	5	T. E. Bence.
Lick Observatory	Santa Clara	4,209	31	47.6	-7.4	71	-3	30	13	19	3.33	+1.65	1.09	0	10	20	7	4	Lick Observatory.
Lindsay	Tulare	384	6	58.3	.....	90	-4	33	31	42	.51	.....	.29	0	4	21	6	4	Basil Prior.
Lone Pine	Luro	3,728	15	55.2	.....	84	-25	47	20	26	.76	- .01	.44	0	2	16	12	2	G. F. Marsh.
LOS ANGELES	Los Angeles	293	43	63.2	-1.4	84	-25	47	20	26	.76	- .01	.44	0	2	16	12	2	U. S. Weather Bureau.
McCloud	Siskiyou	3,270	10	48.2	.....	73	-4	28	20	37	3.49	.....	1.20	7	14	4	4	McCloud River Lbr. Co.	
Marysville	Yuba	67	49	58.6	-6.7	86	-3	38	20	37	1.21	+ .12	.50	0	4	17	10	4	Southern Pacific Co.
Mecca	Riverside	-185	14	69.0	-3.3	95	-16	45	+21	39	.11	- .22	.11	0	1	24	6	1	Cooperative Date Garden.
Merced	Merced	173	46	58.3	-6.5	86	-4	35	20	37	1.45	+ .96	.49	0	5	23	8	5	Santa Fe Co.
MOUNT TAMALPAIS	Marin	2,375	21	62.8	-5.9	73	-3	35	19	20	2.09	+1.17	.61	0	8	16	7	8	U. S. Weather Bureau.
Mount Wilson	Los Angeles	5,704	3	51.6	.....	77	-1	27	20	25	1.53	.....	1.00	0	2	19	7	8	Solar Observatory.
Napa	Napa	20	48	59.6	-0.4	86	-3	37	20	40	1.91	+ .72	.90	0	7	17	11	3	State Hospital.
Needles	San Bernardino	477	28	66.6	-5.1	94	-1	40	26	44	.39	+ .27	.33	0	2	18	4	4	Santa Fe Co.
Nevada City	Nevada	2,850	20	50.9	-4.8	81	-4	26	13	43	5.87	+3.39	1.65	0	9	17	10	4	B. H. Preston.
Newman	Stanislaus	91	31	56.8	-8.0	85	-3	32	+20	48	.85	+ .22	.29	0	5	22	4	5	E. S. Wangenheim.
Oakdale (near)	Stanislaus	215	28	58.0	-4.7	83	-5	34	31	40	3.50	+2.37	1.61	0	7	22	4	5	J. San Joaquin Irr. Dist.
Oakland	Alameda	322	44	57.8	-0.6	76	-23	45	20	26	1.87	+ .32	.95	0	8	18	5	8	Chabot Observatory.
Ojai	Ventura	900	14	59.6	-4.7	89	-25	32	21	41	.42	- .21	.30	0	2	24	6	1	W. H. Duncan.
Orland	Glenn	254	38	58.3	-7.6	84	-22	39	20	35	1.04	+ .08	.41	0	7	18	9	4	U. S. Ice Service.
Oroville (near)	Butte	250	36	59.4	-6.0	87	-14	37	14	40	2.37	+ .94	.65	0	9	14	11	6	N. R. Heberlie.
Pasadena	Plumas	805	30	60.2	-4.6	85	-25	36	20	42	1.02	+ .04	.59	0	3	17	10	5	Morris S. Jones.
Paso Robles-1	Sierra	800	33	57.5	-1.9	82	-3	32	+20	46	.68	- .23	.20	0	9	19	7	5	Mrs. A. Z. Campbell.
Petaluma	Sonoma	9	6	59.1	.....	85	-23	38	20	41	2.59	+1.35	1.13	0	6	19	9	3	John Landis.
POINT REYES	El Dorado	1,925	31	50.9	-5.4	80	-23	29	20	41	5.89	+3.60	1.89	T	6	11	4	4	O. E. Bailes.
POMONA	Marin	490	28	55.1	-0.4	72	-24	46	19	39	2.08	+ .28	.73	0	9	13	10	8	U. S. Weather Bureau.
Los Angeles	Los Angeles	557	6	58.8</														

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Daily Precipitation for October, 1920.

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.

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Daily Temperature for October, 1920.

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.....	76	82	86	87	85	84	76	80	76	75	75	73	69	74	78	75	71	62	63	65	72	73	78	83	84	83	83	71	76	67	71	75.9			
.....Maximum	56	47	48	51	53	52	56	45	49	51	43	49	44	39	41	43	41	46	43	39	36	37	41	46	41	44	43	45	44	45	36	45.0			
Calexico.....	99	95	102	93	95	92	95	95	94	84	88	85	77	82	85	82	86	77	72	72	76	74	79	56	53	55	50	56	59	59	52	78.3			
.....Maximum	57	57	57	59	61	63	62	55	51	60	61	42	44	47	50	57	56	46	41	46	45	47	48	44	47	49	48	51	43	53	52	53.2			
Chico.....	78	84	87	87	87	70	68	68	62	68	64	65	68	70	72	68	60	63	64	67	62	69	82	80	80	77	79	74	78	69	72.6				
.....Minimum	49	46	50	48	50	56	44	49	58	52	54	33	33	41	48	38	45	42	38	43	45	44	41	42	36	42	36	42	36	44	43	44.3			
Escondido.....	52	80	78	76	78	84	83	83	77	73	76	73	78	81	83	76	73	60	62	65	70	74	77	82	84	84	79	76	72	60	66	75.6			
Eureka.....	54	55	51	46	50	53	45	55	47	48	41	50	55	47	47	37	36	49	48	50	37	34	36	38	40	41	39	39	42	41	47	47	44.9		
Fresno.....	53	54	52	54	56	52	49	52	52	58	51	46	41	50	48	44	40	45	47	47	51	49	48	49	52	46	42	38	48.4	48.4	48.4				
Independence.....	53	46	54	55	55	53	47	48	51	51	50	50	43	45	51	48	48	39	44	46	46	51	48	52	47	47	47	47	47	47	47	48.5			
.....Maximum	85	82	84	82	80	73	69	73	66	65	68	69	58	67	61	62	59	58	57	64	70	68	72	70	72	67	67	62	65	68.1					
Los Angeles.....	73	76	75	74	72	74	74	72	70	73	74	71	76	77	72	68	64	62	65	65	74	75	76	80	78	70	65	67	67	72.2					
.....Minimum	58	60	59	59	58	57	57	54	55	53	56	57	56	54	55	53	56	54	50	47	49	52	54	56	56	49	48	51	52	54.2					
Merced.....	75	80	84	85	82	65	68	73	72	67	67	70	69	67	63	57	60	66	65	70	81	78	79	73	75	69	70	65	71.1						
Mount Tamalpais.....	56	63	73	70	64	53	54	52	51	51	56	59	53	48	49	50	48	38	43	40	38	43	46	45	44	44	40	36	45.5						
Oakland.....	63	69	72	67	68	63	62	64	62	65	65	61	63	64	60	60	57	58	60	60	64	72	70	62	59	61	64	61	64	62	64.2				
.....Maximum	51	51	55	58	55	58	57	50	50	55	55	58	52	46	49	54	48	51	48	45	48	52	49	49	54	50	50	51	51	51.4					
Orland.....	76	84	84	78	76	70	68	70	63	64	64	68	68	71	67	64	63	62	70	63	72	79	80	78	75	79	71	67	67	70.8					
Oroville.....	49	53	52	53	56	45	48	44	50	52	51	52	42	46	50	41	44	45	40	39	43	45	45	46	45	46	45	46	46	46.7					
Paso Robles.....	71	81	88	87	76	64	71	70	65	71	74	70	79	70	75	75	72	69	59	61	71	72	73	77	83	84	82	81	79	71	69	74.1			
.....Minimum	50	47	47	47	47	41	51	39	38	43	44	47	46	40	37	36	39	33	43	33	32	32	37	40	39	38	42	41	39	42	40	40.9			
Point Reyes.....	59	58	59	61	61	63	58	61	60	58	57	58	58	57	54	53	55	55	55	55	69	72	66	58	54	57	57	59	59	59	59.0				
Pomona.....	80	71	79	76	78	79	83	80	76	76	76	76	81	81	78	68	64	65	66	63	77	79	83	80	78	67	66	66	65	65	75.8				
Porterville.....	77	78	85	89	82	82	84	82	78	71	73	74	71	66	67	73	76	69	68	68	75	78	77	76	71	72	74	74	74	74.5					
Red Bluff.....	74	82	84	83	76	69	66	64	66	63	63	62	63	66	66	68	67	68	65	71	70	75	82	80	78	78	76	79	69	65	69.5				
Redlands.....	82	81	83	79	80	81	82	84	73	74	79	67	71	80	79	73	77	67	65	60	63	67	60	80	82	81	81	81	73	62	64	75.4			
Sacramento.....	54	47	47	48	49	47	50	45	48	46	49	46	49	49	49	42	43	50	45	38	37	40	42	42	42	45	47	46	46	45.1					
.....Maximum	76	82	84	83	72	64	66	68	63	69	67	66	65	71	65	68	61	60	59	61	64	67	76	78	70	74	71	67	64	69.9					
San Bernardino.....	84	85	84	83	80	88	85	86	56	78	78	68	74	84	81	67	63	61	66	71	76	80	86	80	80	77	73	65	65	74.5					
San Diego.....	71	69	68	69	68	69	71	70	70	71	69	69	69	74	70	66	65	66	62	64	65	67	68	70	67	64	64	64	64	64	64	64.5			
San Francisco.....	60	54	56	58	53	52	45	45	53	49	42	42	48	48	48	43	43	40	40	44	45	57	55	46	46	45	45	45	45	45	45	44.8			
.....Maximum	60	72	75	66	69	66	66	66	65	67	67	65	65	68	69	61	61	64	64	67	67	76	75	74	65	62	64	64	64	64	64	64	64.2		
San Jose.....	70	76	80	74	74	70	69	67	66	73	70	65	67	71	67	65	66	62	62	66	68	67	78	78	69	69	69	69	69	69	69	69.8			
San Luis Obispo.....	78	81	86	68	69	70	69	67	67	72	73	68	68	75	72	70	66	59	65	65	63	71	77	81	82	71	71	72	72	72	72.2				
.....Minimum	53	57	54	59	54	51	46	47	50	47	43	47	43	42	42	42	42	47	47	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46.7
Santa Barbara.....	75	76	74	64	71	74	75	74	65	78	78	78	78	74	74	80	76	70	65	65	66	69	68	76	73	77	72	66	64	64	64	64	64.2		
.....Maximum	55	56	54	57	56	53	55	55	57	55	58	52	53	53	53	55	51	53	52	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	54.8
Santa Rosa.....	74	77	82	79	73	67	67	64	67	64	62	62	67	67	62	62	66	68	67	68	67	78	78	69	69	69	69	69	69	69	69	69.4			
Stockton.....	73	77	81	78	78	69	68	68	68	69	61	62	66	62	67	66	62	59	61	65	67	70	74	70	76	72	69	65	65	65	65	65.8			
.....Minimum	48	47	52	53	52	51	47	46	52	48	50	53	52	43	43	52	43	47	47	48	48	45	45	46	46	46	46	46	46	46	46	46	46	46	46.8

SUPPLEMENTAL PRECIPITATION TABLE.

Stations.	Watersheds.	Precp. inches.	Stations.	Watersheds.	Precp. inches.	Stations.	Watersheds.	Precp. inches.	Stations.	Watersheds.	Precp. inches.	Stations.	Watersheds.	Precp. inches.	Stations.	Watersheds.	Precp. inches.	Stations.	Watersheds.	Precp. inches.	Stations.	Watersheds.	Precp. inches.	Stations.	Watersheds.	Precp. inches.	Stations.	Watersheds.	Precp. inches.			
Abbotts.....	Coast.....	1.73	Dobbins (near).....	Sacramento.....	4.39	Lathrop.....	San Joaquin.....	1.48	Represa.....	Coast.....	3.44	Aguanga.....	do.....	8.09	La Verne.....	Coast.....	1.93	Ruth.....	Coast.....	1.80	Angiola.....	San Joaquin.....	1.93	Sacramento.....	Coast.....	4.65	Antelope Valley.....	Livermore.....	4.50	San Joaquin.....	Ocean.....	.75
.....Maximum	36	47	48	51	53	49	51																									