

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

# CLIMATOLOGICAL DATA

4 CALIFORNIA SECTION  
E. H. BOWIE

---

Vol. XXXVIII SAN FRANCISCO, JULY, 1934 No. 7

### GENERAL SUMMARY

The mean temperature for the State as a whole was 0.8° below the July average, largely due to cool weather in the interior valleys and in northern mountain districts, as there was a temperature excess in the coastal area, desert regions, mountains of southern California, and extreme northeastern portion of the State. The mean daily temperature range and extremes of temperature were near normal. Daily means averaged above normal from the 1st to 3rd, 9th to 13th, 16th to 18th, and 26th to 30th, with well defined intervening cool periods. The highest temperature reported was 125° at Greenland Ranch on the 12th and 27th and the lowest was 26° at Portola on the 5th and 8th. Monthly means ranged from 102.1° at Greenland Ranch to 54.0° at Ellery Lake.

The July precipitation was 71 per cent of the normal and its distribution was unusual. Heavy local showers occurred over the desert regions, the mountains of southern California, and Siskiyou County, while elsewhere there was little or no precipitation. The showers in extreme northern districts occurred on the 2nd or 3rd and elsewhere around the 2nd, 22nd, and 28th. The greatest monthly total was 1.43 inches at Kingston and the heaviest fall in 24 hours was 1.13 inches at Palm Springs on the 22nd. Sunshine averaged slightly above and the relative humidity somewhat below normal. Strong winds did some damage locally in Siskiyou County. Brush and forest fires were numerous and did more than the usual amount of damage.

Harvesting of crops made excellent progress in July under nearly ideal weather conditions, and growing crops made good progress, except locally in the southern San Joaquin Valley and generally in the Imperial Valley where a shortage of irrigation water caused some deterioration. High temperatures sunburned grapes and walnuts in a few localities. The yield of deciduous fruits was somewhat lighter than usual, but the quality of the fruits was excellent. Rice, sugar beets, beans, and hops made favorable progress and avocado and citrus groves continued in good condition, with no more than the usual dropping of new fruit. Feed for livestock was ample in most of the northern half, but was deficient in the drier portions of the southern half of the State.

M. S.

### PRESSURE, WIND, HUMIDITY, AND SUNSHINE

Stations	Atmospheric pressure (reduced to sea level)				Wind				Relative humidity			Percentage of sunshine	
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	5 a. m.	12 noon		5 p. m.
Eureka	30.07	30.19	29	29.91	19	6.9	17	nw.	7	95	78	76	61
Fresno	29.87	30.05	29	29.69	18	7.9	18	nw.	1	49	21	15	39
Los Angeles	29.91	30.06	21	29.67	27	5.5	16	se.	27	84	58	56	77
Red Bluff	29.86	30.06	29	29.63	13	6.1	18	se.	6	53	25	17	96
Redding	29.86	30.06	29	29.64	13	7.8	.....	.....	43	21	15	.....	.....
Sacramento	29.88	30.05	29	29.72	13	9.4	21	sw.	6	74	34	27	99
San Diego	29.91	30.04	29	29.68	27	7.1	17	s.	27	88	72	74	72
San Francisco	29.97	30.10	29	29.84	12	8.9	25	w.	31	89	67	71	66

### COMPARATIVE DATA FOR JULY

Year	Temperature				Precipitation				Number of days			
	Mean	Departure	Highest	Lowest	Average	Departure	Greatest monthly	Least monthly	Precip. 0.1 in. or more	Clear	Partly cloudy	Cloudy
1897	74.5	+ 0.8	124	21	0.01	- 0.06	0.62	0	+	24	6	1
1898	81.4	+ 7.7	124	27	T.	- 0.07	0.33	0	+	26	3	1
1899	77.9	+ 4.2	123	25	T.	- 0.07	1.00	0	+	26	3	1
1900	75.9	+ 2.2	126	30	0.03	- 0.04	1.10	0	+	26	3	1
1901	76.0	+ 2.3	121	28	0.01	- 0.06	1.01	0	+	26	3	1
1902	72.8	+ 0.9	122	17	0.07	0	2.32	0	+	25	4	1
1903	72.2	+ 0.3	121	15	T.	- 0.07	0.25	0	+	27	3	1
1904	72.2	+ 1.5	117	23	0.09	+ 0.02	0.25	0	+	27	3	1
1905	74.8	+ 1.1	128	18	0.01	- 0.06	2.33	0	+	27	3	1
1906	76.8	+ 3.1	120	27	0.04	- 0.03	1.27	0	+	27	3	1
1907	78.1	+ 0.6	123	25	0.03	- 0.04	2.40	0	+	26	3	1
1908	76.4	+ 2.7	119	34	0.04	- 0.03	1.50	0	+	27	3	1
1909	71.2	+ 2.5	117	26	0.05	- 0.02	1.60	0	+	28	2	1
1910	75.5	+ 1.8	119	22	0.10	+ 0.03	3.44	0	+	25	4	2
1911	74.1	+ 0.4	117	28	0.10	+ 0.03	2.50	0	+	24	5	2
1912	71.0	- 2.7	118	23	0.06	+ 0.01	1.94	0	+	23	6	2
1913	73.1	+ 0.6	134	22	0.46	+ 0.39	4.48	0	+	21	5	5
1914	72.4	+ 1.3	122	28	0.06	+ 0.01	3.75	0	+	25	5	1
1915	72.7	+ 1.0	120	29	0.06	+ 0.01	1.80	0	+	27	3	1
1916	70.3	+ 2.4	127	24	0.31	+ 0.24	4.17	0	+	28	2	1
1917	75.8	+ 2.1	122	28	0.08	+ 0.01	2.60	0	+	24	6	1
1918	71.5	- 2.2	120	29	0.07	0	1.58	0	+	25	5	1
1919	72.4	+ 1.3	122	23	0.09	+ 0.02	1.47	0	+	25	5	1
1920	71.7	- 2.0	125	26	0.06	+ 0.01	1.42	0	+	25	4	1
1921	74.0	+ 0.3	123	24	0.05	- 0.02	5.30	0	+	26	4	1
1922	73.4	+ 0.3	126	28	0.15	+ 0.08	7.10	0	+	24	5	2
1923	71.4	- 2.3	123	29	0.05	- 0.02	1.85	0	+	26	4	1
1924	71.3	+ 2.4	124	26	0.01	- 0.06	1.34	0	+	27	3	1
1925	73.9	+ 0.2	125	27	0.16	+ 0.08	2.45	0	+	23	6	2
1926	74.0	+ 0.3	125	26	0.07	0	1.93	0	+	26	4	1
1927	73.5	+ 0.2	125	22	0.05	- 0.02	1.41	0	+	27	3	1
1928	72.1	- 1.6	125	26	0.01	- 0.06	0.67	0	+	26	4	1
1929	72.8	+ 0.8	123	30	0.01	- 0.06	0.56	0	+	27	3	1
1930	72.6	+ 1.1	122	32	0.02	- 0.05	1.12	0	+	25	4	2
1931	72.2	+ 3.5	126	29	0.04	+ 0.03	1.48	0	+	26	4	1
1932	71.3	- 2.4	121	22	0.04	+ 0.03	0.69	0	+	27	3	1
1933	74.8	+ 1.1	127	31	0.04	- 0.03	2.20	0	+	27	3	1
1934	72.9	- 0.8	125	26	0.05	- 0.02	1.43	0	+	27	3	1
Period	73.7	.....	134	15	0.07	.....	7.10	0	+	26	4	1

†Less than one-half.

### Daily evaporation (inches) and wind movement (miles) for July (See temperature and precipitation data on the following pages)

Stations	Data	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	
Alvarado (nr) †	Evaporation	.260	.249	.321	.366	.200	.210	.211	.210	.289	.250	.261	.294	.281	.257	.240	.222	.230	.236	.293	.256	.286	.298	.237	.267	.235	.249	.260	.255	.225	.280	.280	7.988
	Wind movement	180	140	160	150	140	110	130	70	120	200	70	50	100	180	140	50	110	120	140	130	120	70	180	120	110	110	100	120	130	180	110	8,820
Chula Vista **	Evaporation	.247	.229	.221	.208	.258	.236	.244	.258	.258	.258	.281	.279	.244	.233	.234	.268	.271	.236	.220	.240	.238	.212	.270	.288	.261	.219	.268	.289	.305	.282	.259	7.814
	Wind movement	330	100	93	84	90	84	89	76	91	104	109	161	118	97	87	117	52	142	93	118	87	94	102	111	81	119	71	93	84	91	3,084	
Davis †	Evaporation	.390	.251	.603	.395	.340	.363	.323	.297	.331	.322	.314	.415	.392	.393	.349	.329	.335	.310	.363	.329	.341	.275	.373	.347	.314	.346	.289	.362	.495	.449	.397	11.052
	Wind movement	50	33	97	99	72	87	94	54	36	49	17	34	51	107	69	47	44	65	114	117	131	66	82	111	45	56	28	23	102	73	71	2,124
Fall River Mill**	Evaporation	.363	.467	.487	.432	.410	.445	.499	.388	.404	.432	.453	.442	.403	.417	.365	.451	.389	.443	.425	.442	.281	.366	.379	.356	.370	.412	.430	.622	.464	.447	.449	13.025
	Wind movement	43	56	70	93	31	85	72	38	54	46	41	46	61	78	76	55	68	77	86	76	51	53	32	55	40	35	67	67	62	56	1,834	
Lodi**	Evaporation	.460	.480	.510	.430	.360	.390	.330	.320	.370	.440	.440	.460	.460	.440	.350	.430	.510	.410	.410	.330	.380	.340	.410	.380	.330	.350	.430	.460	.440	.460	12.720	
	Wind movement	†	121	86	65	60	65	88	44	48	48	40	26	39	77	52	79	64	46	61	38	57	39	66	70	68	.....	.....	.....	.....	.....	.....	
Oakdale (near) †	Evaporation	.557	.522	.585	.568	.454	.561	.436	.299	.412	.465	.616	.536	.580	.497	.457	.433	.594	.419	.463	.429	.273	.509	.470	.446	.339	.430	.532	.575	.608	.482	.619	15.155
	Wind movement	110	165	150	155	120	150	140	100	65	65	100	80	120	150	155	150	160	100	140	130	150	165	155	125	145	130	110	95	135	8	8,880	
Tahoe**	Evaporation	.170	.140	.200	.280	.250	.180	.240	.180	.170	.180	.160	.190	.260	.210	.230	.180	.180	.190	.200	.210	.210	.200	.180	.190	.170	.180	.200	.240	.190	.220	6.160	
	Wind movement	24	24	34	59	57	38	54	40	35	36	15	46	50	42	50	36	32	32	42	51	53	62	33	40	33	24	27	27	35	28	44	1,193

\*Observations taken at 7:00 a. m.; \*\*7:30 a. m.; \*\*\*8:00 a. m.; †9:00 a. m.; ‡12:00 noon. †Included in the next following entry. Wind movement by 4-cup anemometer.

Climatological Data for July, 1934

Table with columns: Stations, Counties, Elevation, Length of record, Temperature (Mean, Departure from normal, Highest, Date, Lowest, Date, Greatest daily range, Total), Precipitation (Departure from normal, Greatest in 24 hours, Snowfall, With precip. 0.01 in. or more, Clear, Partly cloudy, Cloudy), Prevailing direction of wind, Observers.

Climatological Data for July, 1934-Continued

Table with columns: Stations, Counties, Elevation, Length of record, Temperature (Mean, Departure from normal, Highest, Date, Lowest, Date, Greatest daily range), Precipitation (Total, Departure from normal, Greatest in 24 hours, Snowfall, With precip., Clear, Partly cloudy, Cloudy), Prevailing direction of wind, and Observers. The table lists numerous stations across California with their respective data for July 1934.

Reference letters, a, b, c, appearing in table, indicate number of days missing; for example: b represents two days, etc. †Also on other dates.







Daily Temperatures for July, 1934

Table with columns for Stations, Day of Month (1-31), and Mean. Rows list various California locations such as Auburn, Bakersfield, Chico, etc., with their respective temperature data for each day of the month.

# Mean Annual Maximum Temperature

(Degrees Fahrenheit)

