

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

CALIFORNIA SECTION.

G. H. WILLSON, District Forecaster.

VOL. XX.

SAN FRANCISCO, JULY, 1916.

No. 7.

GENERAL SUMMARY.

July, 1916, was abnormally cool in California. Taking the State as a whole, the mean temperature was 3.7° below normal, while the average precipitation was 0.31 inch, or 0.27 inch more than the usual amount. A total of 118 stations reported no precipitation whatever, while 22 other stations reported only a trace. Unlike the three preceding months, July was not characterized by excessive wind movement. Long delayed warm weather was experienced in the interior valleys during the month. Along the coast the weather was unusually pleasant, there being less fog and fewer occurrences of cold west winds than are normally recorded during July. At San Francisco the percentage of the possible sunshine received, 88 per cent, was the greatest ever recorded during July in a record covering 26 years, while at Eureka it was also much above the average, and the greatest in 8 years. Damage from frost was negligible for the State as a whole, though killing frosts occurred in the mountain regions on the mornings of the 27th, 28th and 29th. No damage from floods occurred during the month.

The northern half of the State received moderately heavy rain on the 1st and 2d, during the eastward passage of an unusual depression. The first decade was cool, the lowest temperatures recorded during the month throughout the greater part of the State occurring between the 1st and 5th. The second decade was moderately warm, and scattered showers fell from the 13th to the 16th. In the desert regions of the south, where rain is of infrequent occurrence, heavy showers fell on the 13th and 14th. The 24-hour rainfall received in the extreme north portion of the State on the 15th-16th was excessive, while along the coast it was unprecedented during the month of July. At Eureka the 24-hour precipitation amounted to 1.18 inches, while at Crescent City it measured 2.46 inches. Thunderstorms occurred at many places on the 16th. The last decade was hot in the interior valleys and moderately warm along the coast, the highest temperatures of the month occurring at most stations between the 22d and 25th. Practically no rain fell during the last 10 days of the month.

From an agricultural point of view the weather of July, like that of the preceding month, was favorable in certain characteristics and unfavorable in others. The continued cool weather has resulted in slow growth, causing the grain to fill and the fruit to become plumper. Crops already harvested are larger than were expected to follow the unfavorable weather of the spring months. Grain and grass crops, while deficient in quantity, are good in quality. In restricted districts showers interfered with the curing of hay and the harvesting of grain, and also damaged ripening fruits and injured berries. As a result of the cool spring the rice fields are not looking their best. In the San Joaquin Valley and along the southern coast mildew has also been an unfavorable result. However, all irrigated crops have progressed favorably, and a normal yield is anticipated. The pleasant weather was well adapted for farm work. Taking all conditions into consideration the agricultural outlook continues favorable. In a region of stable climatic conditions like California the weather conditions are rarely so abnormal as to result in crop failures.

A. H. P.

PRESSURE.

The monthly mean atmospheric pressure for the State, reduced to sea level, was 29.92 inches.

The highest was 30.19 inches at Eureka on the 21st.

The lowest was 29.56 inches at Independence on the 25th, and also at Red Bluff on the 25th.

The range for the State was 0.63 inch.

TEMPERATURE.

The monthly mean temperature for the State was 70.3 degrees, which is 3.7 degrees below the normal.

The highest monthly mean was 102.6 degrees, at Greenland Ranch; and the lowest was 54.0 degrees, at Fordyce Dam and also at Point Reyes.

The highest temperature, 127 degrees, occurred at Greenland Ranch, on the 23rd; and the lowest, 24 degrees, occurred at Cabuilla, on the 1st and 4th, and also at Portola on the 29th.

The range for the State was 103 degrees.

PRECIPITATION.

The average precipitation for the State was 0.31 inch, or 0.27 inch above the normal.

The greatest monthly amount was 4.17 inches, at Crescent City. 118 stations reported no precipitation.

The greatest amount in 24 hours was 2.46 inches at Crescent City, on the 16th.

RELATIVE HUMIDITY.—(Per Cent.)

Stations.	5 a. m.	5 p. m.	Mean.
Eureka.....	92	79	86
Fresno.....	52	14	33
Los Angeles.....	91	66	79
Mount Tamalpais.....	44	38	41
Red Bluff.....	53	17	35
Sacramento.....	79	28	54
San Diego.....	89	78	84
San Francisco.....	89	69	79
San Jose.....	82	47	64
San Luis Obispo.....	92	60	76

SUNSHINE AND CLOUDINESS.

Stations.	Actual hours of sunshine.	Per cent of the possible.
Eureka.....	274	60
Fresno.....	447	99
Los Angeles.....	318	72
Mount Tamalpais.....	435	97
Red Bluff.....	426	94
Sacramento.....	445	98
San Diego.....	257	59
San Francisco.....	395	88
San Jose.....	414	93
San Luis Obispo.....	340	77

WIND MOVEMENT.—(Miles.)

Stations.	Total movement for month.	Average hourly velocity.	Maximum velocity.	Direction.	Date.
Eureka.....	6,053	8.1	33	n.	18
Fresno.....	7,154	9.6	30	n.w.	1
Independence.....	4,456	6.0	27	se.	27
Los Angeles.....	3,985	5.3	15	sw.	1
Mount Tamalpais.....	13,257	17.8	76	n.w.	25
Point Reyes.....	20,709	27.8	78	n.w.	25
Red Bluff.....	3,769	5.1	22	se.	1
Sacramento.....	5,998	8.1	23	sw.	7
San Diego.....	4,450	6.0	18	n.w.	1
San Francisco.....	9,335	12.5	35	sw.	23
San Jose.....	4,302	6.6	25	se.	24
San Luis Obispo.....	3,065	4.0	20	w.	2

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

Climatological Data for July, 1916.

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), Number of days (Precipitation .01 inch or more, Clear, Partly cloudy, Cloudy), Prevailing direction of wind, Observers.

Climatological Data for July, 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 (un-melted).	Precipitation, 0.1 inch or more.	Clear.			Partly cloudy.	Cloudy.
La Porte	Plumas	5,000	22	59.6	-2.8	86	11	34	8	39	1.30	+1.16	0.70	0	2	27	1	3	n.	C. W. Hendel.
Las Plumas	Butte	506	2	79.5		108	22	55	11	43	0.28	0	0.28	0	1	29	1	1	s.	Great Western Power Co.
Lone Pine	Merced	255	16								0.00	0	0.00	0	0	0	0	0	n.	Santa Fe Co.
Lemon Cove	Tulare	600	21	84.2	+2.6	100	25	52	1	46	0.00	-0.01	0.00	0	0	30	1	0	e.	Logan Tabler.
Lick Observatory	Santa Clara	4,209	27	65.6	-3.5	88	23	39	2	21	0.12	+0.12	0.12	0	1	30	1	0	n.	The Director.
Lindsay	Tulare	384	2	78.6		112	23	51	13	49	0.00	0.00	0.00	0	0	30	1	0	nw.	Basil Prior.
Livermore	Alameda	485	45																	E. G. Still.
Lompoc (near)	Santa Barbara																			A. R. Poett.
Lone Pine	Inyo	3,728	11	71.5	-3.1	98	121	41	3	55	0.00	-0.09	0.00	0	0	29	2	0	s.	G. F. Marsh.
LOS ANGELES	Los Angeles	293	39	66.8	-0.6	84	31	55	5	24	0.00	-0.02	0.00	0	0	17	14	0	sw.	U. S. Weather Bureau.
Los Gatos	Santa Clara	600	29	68.3	+0.5	104	22	46	15	47	T.	0	0.00	0	0	28	2	1	n.	F. H. McCullagh.
McCloud	Siskiyou	3,270	6	61.8		91	10	35	127	50	1.62		1.00	0	4	26	4	1	s.	F. F. Spencer.
Madeline	Lassen	5,270	7	60.3		91	11	32	118	50	0.34		0.18	0	2	24	1	6	w.	J. H. Williams.
Magalia	Butte	2,321	12	71.4	-2.2	100	119	40	2	44	1.32	+1.30	1.00	0	2	26	0	2	s.	Southern Pacific Co.
Maricopa	Kern	640	5	83.8		106	24	54	1	43	0.00	0.00	0.00	0	0	31	0	0	n.	Producers Trans. Co.
Marysville	Yuba	67	45	75.8	-4.2	108	21	51	31	47	0.00	0	0.00	0	0	29	1	1	s.	Southern Pacific Co.
Mecca	Riverside	-185	10	90.6		112	22	66	1	39	0.85		0.55	0	2	26	4	1	se.	E. A. Palmer.
Merced	Merced	173	42	76.6	-5.1	105	122	53	28	41	0.00	-0.01	0.00	0	0	31	0	0	nw.	Santa Fe Co.
Middlewater	Kern	808	5	87.6		114	12	50	2	42	0.00	0.00	0.00	0	0	31	0	0	w.	Producers Trans. Co.
Mill Creek-1	Amador	2,500	9	65.8		91	23	40	28	40	0.05		0.05	0	1	30	0	1	n.	Pacific Gas & Electric Co.
Milton (near)	Calaveras	660	25																	J. H. Southwick.
Mineral	Telama		1																	U. S. Forest Service.
Mokelumne Hill	Calaveras	1,550	23	75.5	-1.3	102	121	49	17	40	0.00	0	0.00	0	0	31	0	0		C. E. Prindle.
Montague	Siskiyou	2,450	28	67.4	-9.8	102	11	40	27	47	1.08	+0.85	0.60	0	3	22	7	2	n.	J. E. De Boy.
MOUNT TAMALPAIS	Marin	2,375	17	68.5	-2.0	93	22	47	2	25	0.09	+0.08	0.09	0	1	29	1	1	nw.	U. S. Weather Bureau.
Napa City	Napa	20	39																	Thos. Hull.
Noedles	San Bernardino	477	24	91.0	-3.6	110	15	70	12	38	0.30	+0.03	0.30	0	1	20	3	8	sw.	Santa Fe Co.
Nellie	San Diego	5,350	7	72.4		94	122	49	2	35	0.35		0.32	0	1	24	5	2	sw.	Esther P. Hewlett.
Nevada City	Nevada	2,850	24	65.9	-2.9	98	23	38	27	48	0.48	+0.46	0.44	0	2	30	0	1	sw.	S. W. Marsh.
Newman	Stanislaus	91	27	73.9	-8.1	105	23	42	5	54	0.00	0	0.00	0	0	0	0	0		E. S. Wengenheim.
North Bloomfield	Nevada	3,214	19	68.9	-2.6	90	23	40	7	47	0.65	+0.58	0.52	0	2	29	1	1	w.	J. R. McIntosh.
North Fork	Madera	3,000	12	69.6		102	22	42	2	47	T.	-0.09	T.	0	0	30	1	0	sw.	U. S. Forest Service.
Oak Grove	San Diego	2,751	6	65.1		102	31	39	3	45	0.18		0.07	0	3	21	0	10	w.	U. S. Forest Service.
Oakland	Alameda	36	40	64.1	+2.3	91	22	51	17	33	0.08	+0.06	0.08	0	1	23	5	3	w.	Chabot Observatory.
Oceanside	San Diego	60	6	64.6		74	29	55	1	16	T.		T.	0	0	12	5	14	w.	H. D. Brodie.
Ojai Valley	Ventura	900	10	68.2		103	31	42	30	57	0.00	0.00	0.00	0	0	31	0	0	sw.	W. H. Duncan.
Orland	Glenn	254	34	80.4	-6.0	110	22	54	8	48	0.61	+0.60	0.61	0	1	29	1	1	n.	U. S. Rec. Service.
Orleans	Humboldt	376	13	69.4	-10.2	97	11	48	9	42	1.55	+1.37	1.36	0	3	28	0	3	n.	F. W. Gent.
Oroville (near)	Butte	250	32	77.1	-3.1	108	21	50	24	46	0.30	+0.28	0.30	0	1	28	2	1	sw.	E. D. Fairchild.
Pacific	El Dorado	3,400	1																	U. S. Forest Service.
Pasadena	Los Angeles	827	26	70.6	-0.8	94	31	50	9	39	0.00	0	0.00	0	0	21	10	0	sw.	Harlan W. Hall.
Paso Robles	San Luis Obispo	800	29	72.0	0	112	23	39	114	62	0.60	0	0.00	0	0	30	1	0	se.	Dr. F. W. Sawyer.
Peachland	Sonoma	190	20	64.9	-0.6	92	110	40	28	46	0.57	+0.55	0.57	0	1	30	0	1	s.	E. H. Farnell.
Petaluma	do		2	65.4		101	22	41	31	51	0.12	+0.11	0.12	0	1	29	2	0	n.	John Landis.
Placerville	El Dorado	1,875	27	71.9	-0.7	100	111	46	29	44	0.20	+0.18	0.14	0	2					A. Baring Gould.
Point Loma	San Diego	302	10	64.8		73	31	58	3	11	T.	-0.07	T.	0	0	10	2	19	nw.	Fred J. Dick.
POINT REYES	Marin	490	24	54.0	+0.5	72	19	47	30	22	0.39	+0.32	0.39	0	1	14	7	10	nw.	U. S. Weather Bureau.
Pomona	Los Angeles	857	2	71.7		103	31	47	11	50	0.00	0.00	0.00	0	0	7	1	23	n.	J. P. Adamson.
Porterville	Tulare	464	27	77.9	-6.9	107	23	48	128	49	0.00	-0.03	0.00	0	0	31	0	0		Leslie McAuliffe.
Portola	Plumas	3,400	1	64.0		96	120	24	29	44	0.00	0.00	0.00	0	0	31	0	0	sw.	Western Pacific Co.
Quincy	do		1	65.8	+0.5	96	12	56	27	50	0.02	-0.06	0.02	0	1	30	0	1	se.	D. N. Rogers.
RED BLUFF	Tehama	307	39	79.8	-2.3	106	22	54	2	35	0.68	+0.65	0.61	0	3	27	3	1	se.	U. S. Weather Bureau.
Redding	Shasta	552	41	78.7	-3.6	106	22	53	1	39	2.64	+2.55	1.63	0	3	28	2	1	n.	J. H. Buick.
Redlands	San Bernardino	1,352	23	73.4	-4.0	102	31	50	8	42	0.03	+0.01	0.03	0	1	29	1	1	w.	P. W. Moore.
Redley	Fresno	347	16																	Santa Fe Co.
Rialto (near)	San Bernardino	2,250	10	73.0		102	31	49	15	40	0.00	0.00	0.00	0	0	26	3	2	sw.	So. Cal. Edison Co.
Riverside	Riverside	851	34	71.8	-4.5	104	31	46	11	52	0.60	-0.02	0.00	0	0	26	4	1	w.	J. H. D. Cox.
Rocklin	Placer	249	45	72.9	-7.1	108	11	42	26	53	0.00	-0.02	0.00	0	0	30	0	1	se.	Southern Pacific Co.
Rohnerville	Humboldt	75	13	61.8		80	18	42	26	31	0.75	+0.64	0.55	0	2	21	7	3	nw.	W. D. Gray.
Ruth	Trinity	2,925	2	65.6		100	11	37	19	59	0.37	0.47	0.47	0	3	28	2	1	n.	U. S. Forest Service.
SACRAMENTO	Sacramento	71	39	74.1	+1.6	105	22	52	2	40	0.07	+0.07	0.07	0	1	30	1	0	s.	U. S. Weather Bureau.
St. Helena	Napa	255	8	72.0		108	22	45	5	55	0.00	0.00	0.00	0	0	30	0	1	n.	W. F. Bornhorst.
Salinas	Monterey	40	42	60.8	-1.9	84	10	43	29	34	0.00	0	0.00	0	0	24	3	4	w.	Miss E. Ruth Abbott.
San Bernardino	San Bernardino	1,054	24	73.8	-1.8	105	31	49	11	47	0.00	-0.04	0.00	0	0	27	4	0	sw.	Dr. A. K. Johnson.
SAN DIEGO	San Diego	87	45	65.0	-1.9	74	31	58	3	12	0.02	+0.01	0.02	0	1	13	12	6	sw.	U. S. Weather Bureau.
SAN FRANCISCO	San Francisco	207	45	60.0	+2.7	84	18	49	28	27	0.03	+0.01	0.03	0	1	26	5	0	sw.	do
San Jacinto	Riverside	1,550	23	78.5	-2.2	109	31	51	1	49	0.02	-0.07	0.02	0	1	27	4	0		E. T. Tanner.
SAN JOSE	Santa Clara	95	41	66.3	-0.6	98	22	45	28	44	T.	0	T.	0	0	30	1	0	nw.	U. S. Weather Bureau.
SAN LUIS OBISPO	San Luis Obispo	201	21																	

Climatological Data for July, 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 .01 inch or more.	Clear.	Partly cloudy.		Cloudy.	Prevailing direction of wind.
Ukiah	Mendocino	620	23	71.4	+0.1	109	22	43	18	56	0.00	-0.02	0.00	0	0	29	0	2	nw.	Dr. George McCowen.
Vacaville	Solano	175	28	73.0	-2.5	107	23	40	1	57	0.00	0	0.00	0	0	31	0	0	w.	J. E. Bassford.
Valyermo	Los Angeles	3,750	28	56.6	.....	102	12	41	3	51	0.00	.....	0.00	0	0	25	3	3	s.	U. S. Forest Service.
Visalia	Tulare	334	28	79.6	-0.4	105	12	58	17	36	0.00	-0.02	0.00	0	0	31	0	0	nw.	Santa Fe Co.
Walnut Creek	Contra Costa	149	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	R. L. Nougaret.
Warner Springs	San Diego	3,165	8	74.4	.....	102	31	44	13	47	0.45	.....	0.43	.....	2	28	3	0	.....	J. A. Ream.
Wasco	Kern	336	16	79.0	-3.3	103	23	53	3	41	0.00	0	0.00	0	0	30	0	1	nw.	Santa Fe Co.
Watsonville	Santa Cruz	23	20	61.4	-1.0	88	10	42	43	45	0.03	+0.03	0.03	0	1	6	23	2	s.	Spreckels Sugar Co.
Weaverville	Trinity	2,162	4	68.0	.....	103	11	40	11	55	0.20	+0.07	0.10	0	2	28	1	2	.....	U. S. Forest Service.
Weitchpec	Humboldt	1,700	6	63.0	.....	92	11	41	1	40	2.14	.....	1.61	0	5	26	2	3	nw.	G. S. Garnett.
West Branch	Butte	3,216	2	65.8	.....	102	22	40	3	51	1.48	.....	1.48	0	1	28	2	1	s.	Pacific Gas & Electric Co.
Wheatland	Yuba	84	29	76.2	-0.5	105	22	53	13	41	0.31	+0.30	0.23	0	2	30	0	1	s.	Wm. Lumbard.
Willows	Glenn	136	37	82.0	-0.9	111	22	51	2	48	0.27	+0.27	0.27	0	1	30	0	1	n.	F. E. Barnhouse.
Yorba Linda	Orange	405	2	69.2	.....	94	31	49	3	41	0.00	.....	0.00	0	0	24	6	1	w.	S. J. Walker.
Yosemite	Mariposa	3,960	12	77.8	.....	98	12	42	1	40	T.	-0.20	T.	0	0	29	0	2	s.	Supt. National Park.
Yreka	Siskiyou	2,625	27	65.1	.....	100	11	37	27	48	0.55	.....	0.35	0	2	21	7	3	nw.	U. S. Forest Service.
Means and Extremes	.....	.....	.....	70.3	-3.7	127	23	24	11	64	0.31	+0.27	2.46	0	1	28	2	1	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.

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

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

AVERAGE PRECIPITATION FOR THE STATE.

1897	0.01	1907	0.03
1898	T.	1908	0.04
1899	T.	1909	0.05
1900	T.	1910	0.10
1901	0.01	1911	0.10
1902	0.07	1912	0.06
1903	0.03	1913	0.46
1904	0.09	1914	0.06
1905	0.01	1915	0.06
1906	0.04	1916	0.31

DATES OF MISCELLANEOUS PHENOMENA.

Thunderstorms.—Bonita, Campo, 14; Converse Nursery, 13, 14, 22, 23; Cuyamaca, 11, 12, 13, 23; Downieville, 1; Holcomb Valley, 23; Independence, 14; Kennett, 1; McCloud, 1, 17; Montague, Monte Vista, 1; Nellie, 13, 14; Oak Grove, 13, 14, 31; Redding, 2; San Diego, 14; Seven Oaks, 13, 14, 23; Stanwood, 1.

Earthquakes.—San Jose, 1; Eureka, Rohnerville, Shively, 4; Barstow, Beaumont, Holcomb Valley, Los Angeles, Mount Wilson, Nellie, Redlands, Rialto, Riverside, San Bernardino, Seven Oaks, Squirrel Inn, 16; Redlands, 27; Riverside, 28.

DELAYED REPORTS.

Stations.	Month.	Temperature.				Total precipitation	
		Mean	Max.	Date	Min.		Date
Kennedy Mine	February.	52.9	74	17	33	1	4.43
Twin Valley	March.	49.8	88	9	22	24	4.67
Auburn	April.	60.4	81	10	43	111	0.35
Gold Run	.....	57.3	78	30	36	19	0.06
Arrowhead Springs	May.	63.8	85	3	40	23	0.65
Bishop Creek	.....	43.6	65	4	14	24	0.50
Fort Ross	.....	.....	.....	.....	.....	.....	0.00
Glenn Ranch	.....	.....	.....	.....	.....	.....	0.16
Parkfield	.....	.....	.....	.....	.....	.....	0.09
West Point	.....	.....	.....	.....	.....	.....	0.81
Abbotts	June.	.....	.....	.....	.....	.....	0.00
Arrowhead Springs	.....	67.2	88	17	48	6	0.00
Bishop Creek	.....	56.0	79	15	29	1	0.00
Brawley	.....	83.6	114	15	54	23	0.00
Dinuba	.....	.....	.....	.....	.....	.....	0.00
Dunsmuir	.....	65.7	98	16	38	28	.....
Glenn Ranch	.....	.....	.....	.....	.....	.....	0.00
Goffs	.....	79.2	110	15	49	1	0.00
Julian	.....	.....	.....	.....	.....	.....	0.00
La Jolla	.....	.....	.....	.....	.....	.....	0.00
Le Grand	.....	.....	.....	.....	.....	.....	0.00
Mineral	.....	59.8	85	14	29	20	2.24
Priest Valley	.....	.....	.....	.....	.....	.....	0.00
Walnut Creek	.....	66.2	95	16	45	2	0.00

ERRATA. APRIL, 1916.

Warner Springs, page 48, mean temperature, 37.4°, should be 57.4°.

MAY, 1916.

Bonita, page 58, minimum temperature, 45°, on 14th, should be 43° on 26th.
 Chester, page 61, total precipitation, 1.68, should be 1.88.
 Independence, page 57, average hourly wind velocity, 7.4, should be 7.3; page 58, mean temperature, 59.9°, should be 59.8°.
 North Bloomfield, page 59, mean temperature, 59.0°, should be 54.0°.

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Bishop, page 70, mean temperature, 64.0°, should be 63.4°.
 Independence, page 70, mean temperature, 69.6°, should be 69.5°; greatest daily range 48, should be 44.
 North Lakeport, page 74, total precipitation, 0.00, should be 0.27.

Daily Temperature for July, 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	64	64	79	84	85	92	93	88	85	92	99	97	90	88	86	75	70	81	91	92	91	95	93	91	86	79	78	80	89	91	90	85.7
	Minimum	50	42	41	39	39	38	38	47	43	40	44	48	45	39	42	50	44	35	42	42	46	45	42	44	45	43	40	31	37	33	36	33	41.4
Bakersfield.....	Maximum	92	85	87	98	96	98	102	99	95	102	107	106	99	95	91	96	92	95	101	105	106	108	110	108	106	97	95	98	99	97	100	99.0
	Minimum	56	59	54	60	60	58	69	59	58	62	65	67	65	62	57	58	59	58	62	66	68	67	70	66	62	65	60	53	61	58	61	101.1
Barstow.....	Maximum	91	88	100	101	105	104	103	101	104	102	110	103	101	92	100	95	98	100	103	103	107	110	104	104	103	98	98	93	101	107	101.1	
	Minimum	61	58	55	60	64	61	60	61	58	59	70	71	72	67	62	62	61	60	64	66	70	72	72	72	71	67	66	64	60	64	70	64.2
Blocksburg.....	Maximum	72	71	70	78	82	86	82	80	76	74	72	80	82	81	78	77	89	81	78	81	91	90	89	85	82	83	85	82	89	86	84	81.1
	Minimum	44	42	39	40	45	48	46	46	45	44	41	46	49	45	41	49	38	37	38	43	45	44	40	41	40	41	41	43	45	41	42	42.5
Calexico.....	Maximum	106	102	105	105	108	109	105	105	105	103	105	98	98	102	107	105	103	105	107	110	111	103	100	103	106	98	103	107	110	108	105	105.0
	Minimum	79	79	66	62	66	68	68	68	72	73	73	78	75	75	72	73	74	74	71	81	76	78	82	79	78	77	81	76	77	80	83	74.7
Chico.....	Maximum	69	70	80	85	85	87	90	84	88	96	95	94	93	81	82	85	83	82	94	96	93	102	100	91	100	91	92	89	84	85	94	89.0
	Minimum	56	54	53	59	60	57	60	56	60	71	74	75	59	50	65	59	64	68	68	68	68	65	65	65	65	59	57	57	58	60	62	63.0
Colfax.....	Maximum	61	70	78	86	84	88	85	79	87	94	94	93	89	82	82	75	89	83	91	95	97	96	95	91	87	75	82	82	89	89	85.8	
	Minimum	50	42	45	50	50	53	57	52	58	55	65	68	61	53	53	51	45	52	60	61	62	68	65	62	60	44	49	51	55	56	55.5	
Colusa.....	Maximum	71	72	80	85	84	88	86	84	88	92	92	93	88	82	84	81	84	81	92	93	92	95	95	92	90	81	85	85	88	88	86.5	
	Minimum	52	53	64	60	59	59	58	58	58	60	67	65	66	58	61	51	58	70	64	64	65	69	69	66	61	58	60	60	57	58	61.2	
Escondido.....	Maximum	90	86	90	84	82	85	84	84	88	86	83	88	87	82	85	85	83	84	85	91	88	87	91	88	89	90	93	90	93	96	87.0	
	Minimum	50	52	52	57	54	58	55	51	52	57	55	61	62	62	63	63	63	63	63	64	60	61	62	61	59	60	61	56	56	57	59.8	
Eureka.....	Maximum	60	62	60	58	60	60	61	64	62	63	61	62	60	61	62	62	60	60	62	58	59	60	61	59	59	60	61	57	61	62	60.5	
	Minimum	55	53	55	53	53	52	53	52	54	54	53	53	53	52	51	52	54	49	50	51	50	50	53	51	48	48	52	51	52	53	51.2	
Fresno.....	Maximum	87	78	89	94	94	95	95	90	92	101	105	107	93	94	92	90	88	94	101	101	105	106	105	102	100	90	90	93	96	100	93.1	
	Minimum	58	53	58	61	63	57	61	57	59	66	70	69	68	64	57	64	59	61	66	67	70	73	75	68	68	60	57	59	63	61	62.9	
Hanford.....	Maximum	90	86	90	94	96	94	90	98	100	104	104	98	100	98	96	94	96	98	96	98	105	104	108	100	100	98	96	94	93	100	97.5	
	Minimum	50	43	54	58	50	62	62	50	56	58	71	68	64	60	62	63	66	68	69	60	74	74	77	68	70	62	61	62	50	70	72	61.8
Hollister.....	Maximum	67	74	78	79	78	75	76	78	81	93	79	72	77	69	76	79	83	88	78	87	80	130	76	72	73	73	78	76	88	77	80	78.7
	Minimum	53	53	49	48	44	45	44	43	53	50	53	51	47	45	49	54	43	50	50	50	50	52	50	52	45	43	45	46	45	48	48.6	
Independence.....	Maximum	89	85	87	90	99	94	97	91	91	94	98	100	92	90	89	94	93	92	93	97	95	103	93	93	92	90	90	92	96	93	95.5	
	Minimum	50	49	52	50	54	55	60	55	50	60	57	64	61	62	62	65	65	65	65	65	66	68	61	54	50	50	45	56	52	58	55.5	
Indio.....	Maximum	107	102	104	105	108	111	107	108	104	104	108	108	100	91	102	108	111	112	114	102	108	111	114	103	108	109	108	102	109	112	108	106.1
	Minimum	76	75	72	73	75	76	77	76	71	72	76	79	78	74	74	74	83	70	71	80	82	85	89	80	76	81	73	74	73	81	76.7	
La Porte.....	Maximum	51	60	70	72	72	79	75	71	74	85	86	83	79	71	69	65	68	77	81	79	83	85	81	82	77	67	74	78	75	76	74.6	
	Minimum	38	48	37	42	37	43	49	34	35	47	47	49	42	35	44	45	47	49	51	53	51	54	57	51	51	43	37	39	45	43	44.7	
Lemon Cove.....	Maximum	98	91	92	90	98	97	97	97	93	91	88	103	103	98	97	95	94	95	100	100	107	108	108	108	109	105	99	90	96	96	97.3	
	Minimum	52	60	62	68	62	62	59	65	75	79	76	78	79	74	70	69	64	71	88	85	85	77	67	61	70	62	70	76	74	71.0		
Los Angeles.....	Maximum	81	76	77	73	74	69	73	71	74	77	74	75	77	74	72	73	78	76	72	73	73	75	77	78	74	74	77	79	82	79	84	75.7
	Minimum	59	58	58	55	55	56	57	56	57	58	59	57	60	60	58	57	58	59	60	60	59	59	59	57	57	59	51	58	59	55	61.0	
Merced.....	Maximum	86	86	88	94	91	95	89	91	92	99	103	103	97	95	91	88	90	91	99	103	104	105	105	91	88	93	87	91	95	98	97.4	
	Minimum	54	55	56	54	57	54	56	54	55	59	64	66	65	62	65	57	54	58	62	64	65	68	62	62	62	59	55	53	59	57	58.8	
Mokelumne Hill.....	Maximum	73	75	83	90	88	92	91	81	89	98	99	98	96	88	85	84	85	92	97	98	102	100	102	92	90	83	87	94	93	93	91.1	
	Minimum	55	59	51	59	54	57	56	52	51	60	69	67	66	60	55	54	49	58	68	70	72	70	71	65	67	50	55	59	64	63	59.9	
Needles.....	Maximum	102	100	104	104	110	110	108	109	110	103	109	106	106	103	102	104	102	103	103	104	103	103	103	103	103	103	98	98	99	100	108.6	
	Minimum	72	70	70	72	74	78	80	78	82	80	78	78	78	80	80	79	78	80	80	80	82	82	83	83	83	82	79	82	80	80	81	
North Fork.....	Maximum	78	78	78	83	88	89	91	89	84	86	98	100	98	89	88	87	87	87	86	90	94	95	102	101	100	96	94	85	86	90	95</	