

U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU

CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

CALIFORNIA SECTION

JULY, 1915

BY

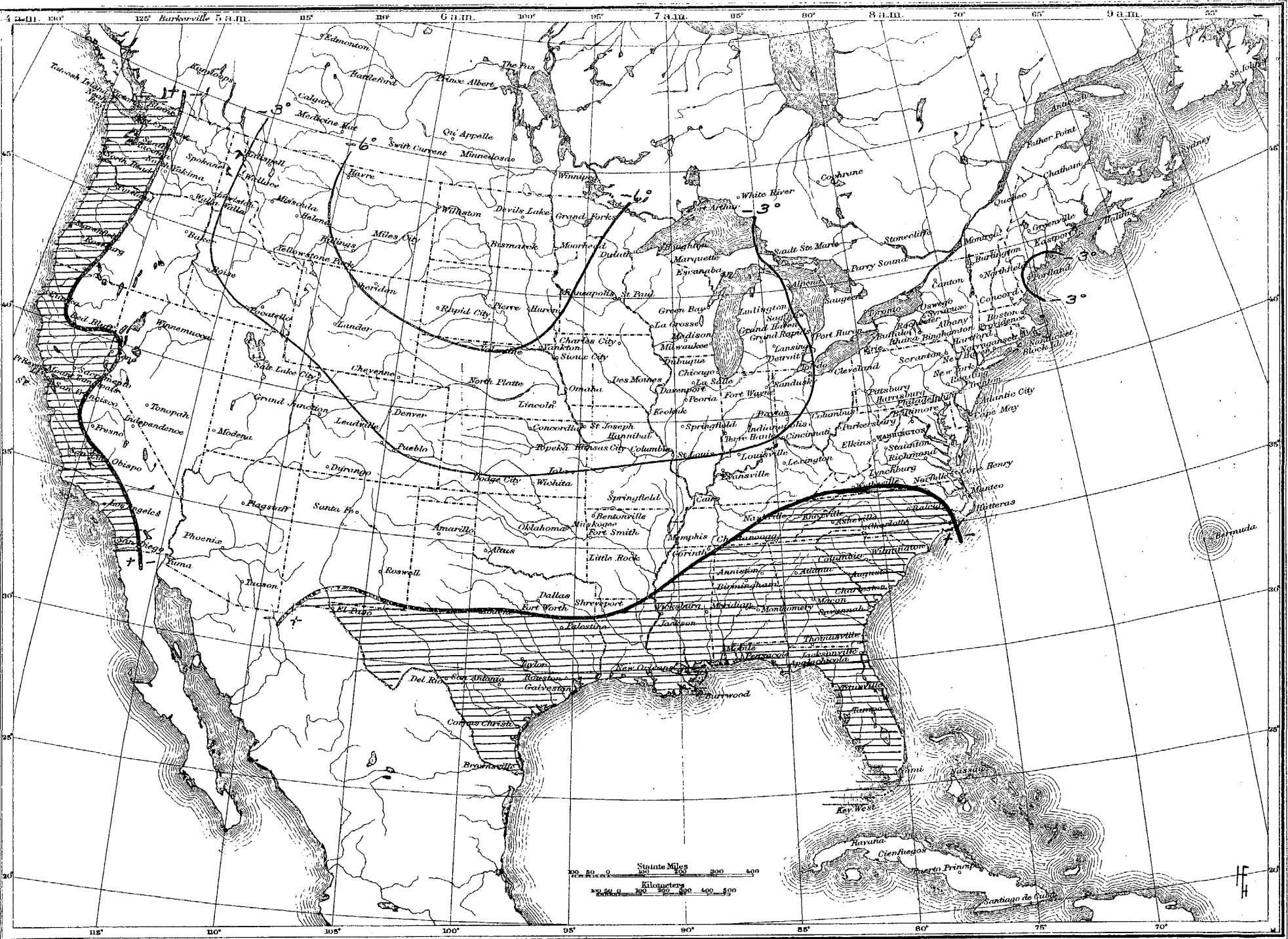
GEORGE H. WILLSON

DISTRICT FORECASTER AND SECTION DIRECTOR



SAN FRANCISCO, CAL.
WEATHER BUREAU OFFICE
AUGUST 19, 1915

Departure of the Mean Temperature from the Normal, July, 1915.



U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

CALIFORNIA SECTION.

G. H. WILLSON, District Forecaster.

VOL. XIX.

SAN FRANCISCO, JULY, 1915.

No. 7.

GENERAL SUMMARY.

Taken as a whole the month did not differ much from normal July conditions as regards temperature and rainfall. The former averaged slightly above the normal along the coast and below in the interior; the latter, derived mostly from thunderstorms, was largely confined to the more mountainous districts in the northern part of the State, although showers fell here and there in the desert regions of southeastern California on the 22nd and 23rd, the amounts in a few cases, as at Bagdad and Needles, being quite considerable. Thunderstorms likewise occurred at many places in the Sierra on these two dates and also on the 21st, but the earlier period of unsettled weather, which may be roughly described as extending from the 2nd to the 6th, was the one which culminated in the most widespread precipitation. The barometer was abnormally low over the entire coast at this time, cloudiness increased, and on the 5th and 6th light showers fell in the coastal districts from San Luis Obispo north. The amounts to the south of Humboldt County, however, were not important, but the extreme northern coast range and the Siskiyou were well watered, and showers and thunderstorms were of general occurrence throughout the Sierra Nevada Mountains.

There was one spell of extremely hot weather, viz., from the 19th to the 25th inclusive, and this did not affect the coast region, but was very pronounced in the great valleys. During the remainder of the month the temperatures in the interior were generally moderate, even to the point of being decidedly below the seasonal average at times. Cloudiness and fog prevailed along the coast nearly every night. The days were generally clear, however, and the amount of sunshine normal. Conditions were favorable to the ripening and harvesting of all crops. Stream flow was normal and there was plenty of water for irrigation and power purposes.

PRESSURE.

The monthly mean atmospheric pressure for the State, reduced to sea-level, was 29.91 inches.

The highest was 30.20 inches at Eureka on the 6th.

The lowest was 29.57 inches at Fresno on the 10th.

The range for the State was 0.63 inch.

TEMPERATURE.

The monthly mean temperature for the State was 72.7 degrees, which is 1.3 degrees below the normal.

The highest monthly mean was 105.6 degrees at Greenland Ranch and the lowest was 54.4 degrees at Point Reyes.

The highest temperature, 120 degrees, occurred at Greenland Ranch on the 20th and the lowest was 29 degrees at Hume on 5th and at Macdoel on the 17th.

The range for the State was 91 degrees.

PRECIPITATION.

The average precipitation for the State was 0.06 inch or 0.02 inch above the normal.

The greatest monthly amount was 1.30 inches at Crescent City while none occurred at 185 stations.

The greatest amount in 24 hours was 1.29 inches at Bagdad on the 23rd.

RELATIVE HUMIDITY.

The mean relative humidity from observations taken at 5 a. m. and 5 p. m., for each of the regular Weather Bureau stations, was as follows: Eureka 86; Fresno 36; Los Angeles 74; Mount Tamalpais 43; Red Bluff 37; Sacramento 55; San Diego 80; San Francisco 82; San Jose 68; San Luis Obispo 75.

WIND.

The prevailing direction of the wind was west.

SUNSHINE AND CLOUDINESS.

At Eureka there were 186 hours of sunshine during the month or 41 per cent of the possible; at Fresno 438 hours or 98 per cent; at Los Angeles 318 hours or 72 per cent; at Mount Tamalpais 423 hours or 94 per cent; at Red Bluff 435 hours or 95 per cent; at Sacramento 435 hours or 96 per cent; at San Diego, 340 hours or 78 per cent; at San Francisco 317 hours or 69 per cent; at San Jose 408 hours or 91 per cent; at San Luis Obispo 319 hours or 72 per cent.

MISCELLANEOUS PHENOMENA.

Thunderstorms.—Alturas, 3-5, 22, 23, 28-30; Bagdad, 23; Bridgeport, 2-4, 21; Calaveras 20-25; Campo, 21; Chester, 22, 28; China Flat, 4; Converse Nursery, 19-24; Downieville, 23; Fordyce Dam, 22; Happy Camp, 3, 4, 28; Hayfork, 4, 5; Holcomb, 22; La Porte, 23; McCloud, 23, 28; Mineral, 23; Montague, 3, 5, 23; Three Rivers, 21; Weitchpec, 4; Yreka, 3, 4, 23.

Earthquakes.—Brawley, 3; Holcomb, 12; Newhall, 27; Mineral, 22.

OBSERVERS' NOTES.

Gila.—There is more snow on the higher ranges than there has been at this season for 15 years.—A. E. Dannenbrink.

La Porte.—While in Mohawk Valley on the 22nd, it rained very hard for nearly an hour during the afternoon, and there was much thunder and lightning. On the 23rd, while on Nelson Point, upper crossing, it rained and hailed at 3 p. m.—Chas. W. Hendel.

Santa Barbara.—There were 15 mornings with high fog, the weather generally clearing by 9:30. The late crops were greatly benefited by the fogs.—Geo. W. Russell.

Climatological Data for July, 1915.

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, Precipitation of inch or more, Clear, Partly cloudy, Cloudy), Prevailing direction of wind, and Observers. The table lists 100 stations across various California counties, providing detailed meteorological data for July 1915.

Climatological Data for July, 1915.—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, Precipitation 0.1 inch or more), Number of days (Clear, Partly cloudy, Cloudy, Prevailing direction of wind), and Observers.

Climatological Data for July, 1915.—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 .01 inch or more.	Clear.	Partly cloudy.			Cloudy.
Sierraville	Sierra	5,000	5	60.8	.....	95	21	32	6	50	0.10	0.10	0	1	20	10	1	sw.	C. D. Johnson.	
Sisson	Siskiyou	3,555	26	67.8	-2.1	99	26	40	6	46	0.14	+0.04	0.08	0	2	28	3	0	n.	Southern Pacific Co.
Soledad**	Monterey	188	41	74.7	+8.6	95	6†	60	27	.....	0.00	0	0	0	31	0	0	n.	do	
Sonora	Tuolumne	1,825	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Chas. P. Jones.
Spreckels	Monterey	48	1	64.8	.....	84	18	48	31	32	0.00	0	0.00	0	0	.....	.....	.....	.....	Spreckels Sugar Co.
Springville	Tulare	4,000	8	59.2	.....	98	21†	30	13†	57	0.00	-0.02	0.00	0	0	28	3	0	.....	Mrs. Claire McGeorge.
Squirrel Inn	San Bernardino	5,280	5	64.0	.....	83	22	42	6	32	0.00	-0.07	0.00	0	0	31	0	0	sw.	A. D. Prantz.
Stanwood	Butte	2,140	11	72.6	-0.5	98	24	51	28†	35	T.	T.	0	0	29	2	0	nw.	Cal. Gas and Electric Co.	
Stirling City	do	3,525	11	71.5	.....	99	25	46	7	38	0.22	+0.21	0.22	0	1	33	0	1	sw.	Butte Co. R. R. Co.
Stockton (S. H.)	San Joaquin	23	44	73.8	+1.2	100	21	51	4	40	0.00	0	0.00	0	0	29	2	0	nw.	State Hospital.
Stores	Madera	296	15	76.8	-1.9	107	25	51	6	42	0.00	0	0.00	0	0	31	0	0	.....	Santa Fe Co.
Suisun**	Lake	20	33	75.8	+4.7	104	20	58	2	.....	0.00	0	0.00	0	0	28	0	0	n.	Southern Pacific Co.
Sulphur Banks	Lake	1,850	3	71.4	.....	104	24†	45	4†	49	T.	T.	0	0	29	1	1	w.	M. S. Walters.	
Sunmit	Lassen	7,017	42	56.4	-4.6	82†	22	27	30	40†	0.55	+0.39	0.55	0	1	27	1	3	sw.	Southern Pacific Co.
Susanville	Placer	4,175	26	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	G. H. Taylor.
Tahoe	Alpine	8,000	9	57.9	.....	84	19†	30	6	47	0.41	.....	0.20	0	3	25	6	0	w.	Mrs. Northrup A. Pomin.
Tamarack	Placer	8,000	9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Cal. Gas and Electric Co.
Tehama**	Tehama	220	44	78.2	-5.9	105	22	54	6	.....	0.02	-0.04	0.02	0	1	.....	.....	.....	.....	do
Tejon Rancho	Kern	1,500	12	81.8*	+1.0	102	26	54*	1	33	0.00	0	0.00	0	0	27	2	2	.....	W. B. de Billier.
Three Rivers	Tulare	870	5	77.9	.....	105	25	50	5	41	0.00	0	0.00	0	0	27	3	1	sw.	J. H. Pierce.
Towle	Placer	3,704	29	66.6	-4.1	95	24	42	15	41	0.00	-0.02	0.00	0	0	30	0	1	ne.	Southern Pacific Co.
Tracy**	San Joaquin	64	35	85.4	+5.5	108	21†	68	19	.....	0.00	0	0.00	0	0	.....	.....	.....	.....	do
Truckee	Nevada	5,819	44	60.6	-4.8	98	21	31	28	57	0.08	-0.08	0.08	0	1	27	4	0	se.	do
Tustin (near)	Orange	125	1	69.8	.....	92	21	48	1†	41	0.00	0	0.00	0	0	29	2	0	.....	Irvine Co.
Twin Valley	Lake	.....	.....	69.6	.....	106	24	40	17	55	T.	T.	0	0	30	1	0	w.	U. S. Forest Service.	
Ukiah	Mendocino	620	22	71.9	+0.6	108	22†	47	3	53	T.	-0.02	T.	0	0	29	2	0	nw.	Dr. George McCowen.
Upper Lake	Lake	1,350	30	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	C. M. Hammond.
Vacaville	.....	175	27	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	J. E. Bassford.
Valley Springs**	Calaveras	673	26	81.8	+1.3	110	24	60	4†	.....	0.00	-0.01	0.00	0	0	30	1	0	nw.	Southern Pacific Co.
Visalia	Tulare	334	27	77.5	-2.5	108	23	50	29	45	0.00	-0.02	0.00	0	0	.....	.....	.....	.....	Santa Fe Co.
Walnut Creek	Contra Costa	149	1	63.2	-10.8	92	21†	46	3†	43	0.00	0	0.00	0	0	.....	.....	.....	.....	R. L. Nougaret.
Warner Springs	San Diego	3,155	7	71.4	.....	98	23	43	6†	50	0.00	0	0.00	0	0	27	0	4	.....	J. A. Keam.
Wasco	Kern	336	15	80.2	-2.1	109	26	53	5	43	0.00	0	0.00	0	0	29	0	2	se.	Santa Fe Co.
Watsonville	Santa Cruz	23	19	61.2	-1.2	87	6	37	1†	43	0.00	0	0.00	0	0	27	4	w.	Spreckels Sugar Co.	
Weaverville	Trinity	2,162	3	67.0	.....	104	23	42	13†	49	0.00	-0.13	0.00	0	0	27	2	2	.....	U. S. Forest Service.
Weitchpec	Humboldt	1,700	5	66.9	.....	99	22†	44	4†	48	0.33	0.31	0.31	0	3	30	0	1	nw.	M. E. Lathrop.
West Branch	Butte	3,216	1	67.8	.....	97	22†	41	5	46	0.12	0.12	0.12	0	1	30	0	1	n.	Cal. Gas and Electric Co.
Westley**	Stanislaus	90	26	83.4	+0.7	108	22†	62	5	.....	0.00	-0.02	0.00	0	0	29	2	0	n.	Southern Pacific Co.
Wheatland	Yuba	84	28	76.4	-0.3	105	22	54	3†	37	T.	-0.01	T.	0	0	28	3	0	s.	Wm. Lombard.
Willows	Glenn	136	36	80.3	-2.6	109	22	49	5	40	T.	0	T.	0	0	31	0	0	s.	F. B. Barnhouse.
Yorba Linda	Orange	405	1	71.8	.....	96	12†	51	6†	43	0.00	0	0.00	0	0	31	0	0	w.	S. J. Walker.
Yosemite	Mariposa	3,945	11	73.6	.....	115	20	40	5†	73	0.01	-0.19	0.01	0	1	29	1	1	s.	J. P. Kelly.
Yreka	Siskiyou	2,625	26	77.4	.....	104	22†	53	10†	34	0.46	0.39	0.39	0	4	20	5	6	nw.	U. S. Forest Service.
Means and Extremes..	.....	.....	.....	72.7	-1.3	120	20	29	5†	73	0.06	+0.02	1.29	0	1	27	3	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	.....	.....

(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	.....	.....

DELAYED REPORTS.

Stations.	Month.	Temperature.				Total precipitation
		Mean	Max.	Date	Min.	
Chino	June.	73.2	100	8	48	0.00
Gilroy	"	81.0	101	16	58	0.00
Mills College	"	.....	.....	.....	.....	0.00

ERRATA. MAY, 1915.

Delta: Due to an error in reading the minimum thermometer, the record of minimum and mean monthly temperatures are incorrect for the inclusive period, November, 1914 to June, 1915.
 Polson, pages 58 and 61, total precipitation 3.95, should be 4.12.
 Hollister, pages 58 and 62, total precipitation 1.95, should be 2.00; page 62, precipitation on 18th 0.04, should be 0.09.
 Maricopa, page 59, monthly mean temperature 69.8°, should be 64.8°.
 Ojai Valley, page 59, highest temperature 97°, should be 95.

Daily Precipitation for July, 1915.

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|||																																		0.00	
Aguanga																																		0.88	
Alturas					.06	.02	.29	.05		.16													.01											0.88	
American Camp																																		0.00	
Angels Camp																																		0.00	
Angiola																																		0.00	
Antelope Valley|||																																		0.00	
Antioch																																		0.00	
Aptos																																		0.00	
Arbolado																																		0.00	
Arrowhead Springs|||																																		0.00	
Auburn|||																																		0.00	
Avalon																																		0.00	
Azusa|||																																		0.00	
Bagdad																																		0.00	
Bakersfield																																		1.29	
Barstow|||																																		0.60	
Bear Valley																																		0.00	
Bear Valley Dam																																		0.38	
Beaumont|||																																		0.00	
Beaumont (near)|||																																		0.00	
Belotta																																		0.00	
Ben Lomond																																		0.00	
Berkeley					.01	T.																												0.01	
Betteravia|||																																		0.00	
Big Bar																																		0.09	
Biggs																																		0.00	
Bishop|||																																		0.00	
Blocksburg																																		0.15	
Blue Canon|||																																		0.00	
Blythe																																		0.00	
Boca																																		0.00	
Boulder Creek																																		0.00	
Bowman's Dam																																		0.00	
Branscomb																																		0.04	
Brawley																																		0.02	
Bridgeport																																		0.48	
Burney																																		T.	0.00
Cahuilla																																		0.00	
Calxico																																		0.00	
Caliente																																		0.00	
Calistoga																																		0.00	
Campbell																																		0.00	
Campo																																		0.50	
Camptonville (near)																																		0.02	
Canyon Dam																																		0.78	
Cedarville																																		0.12	
Centerville																																		0.07	
Chester																																		0.00	
Chico																																		0.02	
Chico (near)																																		0.19	
China Flat																																		0.60	
Chino																																		T.	0.00
Ciseco																																		0.00	
Claremont|||																																		0.00	
Cloverdale																																		0.00	
Coalinga|||																																		0.00	
Colfax|||																																		0.00	
Colgate																																		0.00	
Colusa																																		0.00	
Converse Nursery																																		0.00	
Corning																																		0.00	
Corona																																		0.00	
Covelo																																		0.00	
Crescent City																																		1.30	
Cuyamaca																																		0.00	
Davis																																		0.00	
Deer Creek																																		0.12	
Del Monte																																		0.00	
Delta|||																																		0.64	
Denair																																		0.00	
De Sable																																		0.08	
Descanso																																		0.00	
Dinuba																																		0.00	
Dobbins (near)																																		0.00	
Downville																																		T.	0.00
Dudley																																		0.00	
Dudley's																																			

Daily Temperature for July, 1915.

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	97	96	94	88	79	65	80	82	81	85	87	89	85	83	85	86	85	91	93	99	100	102	101	100	97	92	84	83	79	66	81	87.7
	Minimum	45	49	49	40	45	49	40	46	46	45	45	51	48	36	39	41	34	37	41	41	47	53	51	50	48	49	42	45	44	44	42	45.3
Bakersfield.....	Maximum	100	98	100	94	92	89	89	91	92	95	101	100	100	95	90	99	103	103	100	105	106	108	106	109	115	104	96	94	93	95	92	98.8
	Minimum	65	64	62	59	55	52	40	61	64	65	66	65	64	60	56	63	65	64	70	69	75	72	64	62	64	62	60	69	60	60	60	63.6
Barstow.....	Maximum	96	100	102	97	89	93	95	96	92	95	95	96	95	94	101	104	107	105	101	101	91	103	107	106	107	108	104	100	99	93	97	98.6
	Minimum	68	72	73	63	64	62	64	67	69	68	68	63	70	69	63	68	72	71	68	69	75	76	76	77	73	70	71	68	68	68	69	69.5
Blocksburg.....	Maximum	94	90	87	82	80	74	76	82	74	80	82	74	74	80	81	91	94	97	99	105	105	99	83	89	87	88	85	87	85	87	86	85.6
	Minimum	51	52	50	50	51	53	51	53	55	49	50	54	49	52	51	4	45	43	51	53	63	67	59	50	50	51	48	41	47	50	51.4	
Burney.....	Maximum	85	84	83	82	84	84	74	75	79	82	83	79	78	78	80	80	81	84	88	91	90	95	96	95	96	93	87	81	77	74	74	82.0
	Minimum	43	46	47	45	45	51	41	45	53	44	45	48	47	37	39	41	38	47	39	44	48	52	52	52	52	46	41	50	47	43	40	45.4
Calexico.....	Maximum	104	101	106	103	101	98	105	103	106	102	105	106	102	100	103	101	100	100	102	104	100	98	104	110	101	108	104	102	103	101	102.8	
	Minimum	82	80	70	74	75	62	64	65	69	70	70	79	85	78	62	73	75	76	78	79	88	82	83	82	80	78	75	76	77	65	68	74.9
Chico.....	Maximum	100	98	95	90	84	84	89	92	98	96	100	96	92	96	94	100	101	101	102	106	110	109	108	108	108	95	91	90	90	92	92	97.2
	Minimum	58	58	58	54	52	50	56	60	62	62	64	58	65	60	54	60	68	68	54	60	68	70	76	70	68	60	58	62	60	64	61.6	
Colfax.....	Maximum	92	85	85	82	82	68	73	82	78	83	82	87	83	81	84	85	89	91	95	97	98	97	98	97	98	93	88	85	81	78	81	85.9
	Minimum	61	60	60	58	43	46	50	53	57	56	60	61	58	54	55	57	62	56	60	65	65	69	68	70	68	69	62	51	52	50	52	57.7
Colusa.....	Maximum	91	87	85	83	84	84	84	88	89	91	92	88	86	88	91	95	92	92	92	98	98	99	100	98	101	96	93	89	81	87	91	90.5
	Minimum	58	55	54	53	54	54	58	58	61	61	62	58	68	60	59	62	71	60	57	61	60	58	69	68	66	63	57	58	59	61	60.0	
Escondido.....	Maximum	91	87	80	81	81	87	91	87	85	84	87	88	83	87	82	84	81	84	88	95	97	97	97	98	92	85	85	86	84	84	84	88.1
	Minimum	57	56	56	57	57	44	45	51	58	59	58	55	59	56	56	52	53	52	60	59	62	67	61	62	62	64	60	54	57	54	57	56.8
Eureka.....	Maximum	56	57	60	57	60	61	65	65	61	60	64	61	60	61	61	60	59	58	62	59	60	60	58	60	59	62	63	63	63	58	60.5	
	Minimum	49	50	50	53	53	56	55	54	54	55	54	54	52	54	51	48	53	54	53	53	53	52	52	53	51	54	53	55	54	53.0		
Fresno.....	Maximum	94	96	94	91	81	80	88	90	91	95	98	97	97	92	95	99	100	101	102	104	107	107	106	107	108	100	92	92	90	92	94	96.3
	Minimum	69	62	58	56	55	54	61	60	63	63	66	66	65	59	63	66	67	65	65	75	73	75	73	73	73	61	57	62	60	62	61.3	
Hanford.....	Maximum	101	102	96	93	83	88	90	92	92	98	100	98	94	102	100	101	103	104	105	108	107	109	109	103	103	94	94	93	94	99	98.6	
	Minimum	62	57	56	53	55	61	59	63	62	64	65	62	56	59	60	61	60	60	77	69	73	69	67	77	69	68	68	68	68	68	63.2	
Hollister.....	Maximum	73	72	68	77	67	85	79	77	75	77	76	75	75	73	73	86	83	71	80	85	90	85	85	82	77	65	70	75	76	80	77.0	
	Minimum	52	52	50	50	55	51	51	53	59	49	49	51	51	47	49	41	50	51	50	52	55	55	53	49	52	53	53	49	50	48	50.9	
Independence.....	Maximum	88	94	93	92	91	85	85	91	92	91	90	90	95	93	92	95	96	94	94	93	96	94	95	98	96	96	92	89	91	89	88	92.2
	Minimum	63	62	63	64	62	45	58	56	59	61	62	59	57	64	63	58	58	58	63	65	65	65	66	68	72	60	53	56	55	61	58	69.2
Indio.....	Maximum	110	107	108	106	104	101	104	105	104	103	102	109	107	106	101	100	101	100	102	102	102	102	108	113	104	109	105	104	103	105	105	105.6
	Minimum	85	84	81	74	76	67	75	80	78	75	68	76	80	77	68	70	72	70	72	80	76	85	88	82	80	78	76	77	65	68	74.4	
La Porte.....	Maximum	81	83	77	73	60	55	69	67	72	71	71	72	72	74	76	79	76	81	85	81	80	82	82	77	79	66	67	66	73	76	74.4	
	Minimum	50	50	46	50	41	42	40	45	47	41	41	43	39	37	45	46	46	47	46	50	45	49	57	52	47	44	43	44	44	44	45.5	
Lemon Cove.....	Maximum	106	100	98	96	97	92	98	92	105	102	100	100	103	99	98	99	97	99	100	104	109	110	111	112	106	103	98	96	95	94	100.2	
	Minimum	60	66	63	60	56	54	53	52	60	60	64	62	63	62	60	62	60	61	64	64	63	64	69	70	72	64	57	56	58	57	60.8	
Los Angeles.....	Maximum	81	78	75	74	70	79	80	79	76	77	80	84	80	76	76	77	78	82	86	87	88	86	86	83	79	74	77	78	76	75	79.1	
	Minimum	61	59	58	58	57	57	59	59	60	61	60	60	59	59	60	60	61	61	64	65	66	65	65	62	62	62	62	62	61	62	61.0	
Merced.....	Maximum	100	94	92	89	87	90	84	87	89	90	95	96	95	94	99	97	98	97	100	104	104	105	104	105	103	93	91	90	89	91	94.6	
	Minimum	66	60	55	57	54	56	62	57	60	60	61	65	61	55	59	64	62	61	70	72	72	72	69	65	70	62	56	57	57	58	61.3	
Mokelumne Hill.....	Maximum	89	87	85	79	76	79	82	85	85	91	93	91	90	89	91	93	95	94	95	99	99	99	98	101	97	90	91	85	82	86	90	89.9
	Minimum	60	53	47	49	50	55	60	55	57	61	60	63	56	62	64	65	66	65	68	72	73	72	73	72	66	56	57	56	58	63	61.3	
Needles.....	Maximum	106	105	107	106	108	104	102	103	105	106	106	106	106	107	105	106	107	107	107	108	108	108	107	107								



The influence of the diversified topography of California upon its precipitation is shown by the lines of equal rainfall in inches, on the accompanying relief map.