

U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

CALIFORNIA SECTION

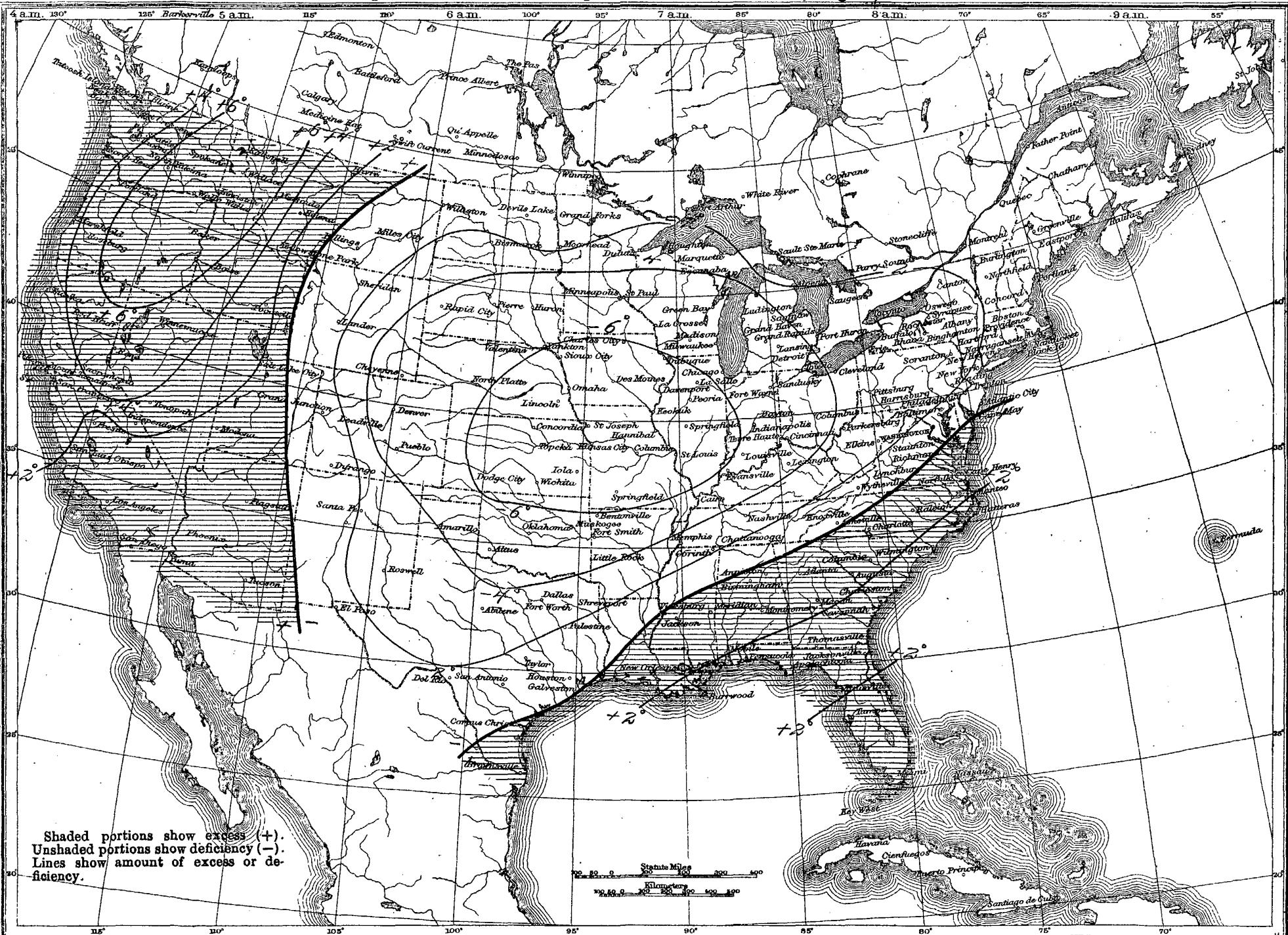
AUGUST, 1915

BY
GEORGE H. WILLSON
DISTRICT FORECASTER AND SECTION DIRECTOR



SAN FRANCISCO, CAL.
WEATHER BUREAU OFFICE
SEPTEMBER 20, 1915

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



U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

CALIFORNIA SECTION.

G. H. WILLSON, District Forecaster.

VOL. XIX.

SAN FRANCISCO, AUGUST, 1915.

No. 8.

GENERAL SUMMARY.

The month passed without any very noteworthy departures from normal weather conditions, barring the disturbances of the 26th in the southern end of the State. On this date thunderstorms visited nearly all sections south of the Tehachepi, causing brisk winds and widespread precipitation. Naturally the larger amounts of rainfall were recorded in the mountain regions, but generous showers also fell at many places in the valleys and foot-hills. Several observers made special mention of the force of the wind which preceded or accompanied the precipitation. Among the stations so reporting were Brawley, Gray Mountain and Riverside. At the latter point the rain which followed the blow totalled over an inch and fell in one and one-half hours. At various places where no rain fell the wind raised heavy sand or dust storms. Among the latter was Fontana, where the maximum wind was reported as reaching a velocity of 48 miles an hour, causing a sand storm and some slight damage to the bean crop. Hail occurred at some places in the mountains, and some of the creeks were reported swollen as the result of the heavy rains in the upper water-sheds. The only other periods in which thunderstorms were generally reported were the 4th, 14th-15th and 31st, but scarcely any precipitation was recorded in connection with them.

Temperatures, while averaging above normal over the State as a whole, were most noticeably so along the coast and in the coast range of mountains. They were actually below normal in the upper Sacramento Valley, parts of the Siskiyou Mountains and throughout the southern portion of the Sierra. There were the usual hot spells in the great interior valleys, notably from the 26th to 31st when the temperature ranged from 8 to 16 degrees above normal in the Sacramento and San Joaquin.

PRESSURE.

The monthly mean atmospheric pressure for the State, reduced to sea-level, was 29.89 inches.

The highest was 30.16 inches at Eureka on the 9th.

The lowest was 29.63 inches at Red Bluff on the 31st.

The range for the State was 0.53 inch.

TEMPERATURE.

The monthly mean temperature for the State was 74.2 degrees, which is 1.4 degrees above the normal.

The highest monthly mean was 93.2 degrees at Mammoth Tank and the lowest was 55.3 degrees at Fordyce Dam.

The highest temperature, 120 degrees, occurred at Indio on the 19th and the lowest was 25 degrees at Cahuilla on the 5th.

The range for the State was 95 degrees.

PRECIPITATION.

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

The greatest monthly amount was 1.83 inches at Julian while none occurred at 198 stations.

The greatest amount in 24 hours was 1.73 inches at Julian on the 26th.

No snow fell at any station.

MISCELLANEOUS PHENOMENA.

Thunderstorms.—Alturas, 14, 15, 22; Angels Camp, 31; Arrowhead Springs, 26; Ben Lomond, 31; Cahuilla, 26; Camp-

bell, 31; Campo, 26; Chester, 14, 15, 23, 24; Converse Nursery, 4, 26, 27; Corona, 26; Covelo, 15, 24; Deer Creek, Electra, 31; Escondido, 26; Glennville, 29; Happy Camp, 15, 22, 24; Hayfork, 15, 22-25; Independence, 30, 31; Hullville, 25; La Jolla, 26; La Porte 24; Lick Observatory, 31; Lindsay, 30; Lone Pine, 29; Los Gatos, 31; Madeline, 25-27; Mesa Grande, Mill Creek No. 2, 26; Milton, 31; Mineral, 14, 15, 22-24; Mokelumne Hill, 31; Montague, 24; Nellie, 26; North Bloomfield, Oakdale, 31; Oak Grove, 26; Oceanside, 27, 28; Rialto (near), Riverside, 4, 26; Ruth, 24; Sacramento, 31; San Bernardino, 26; San Jose, Stockton, S. H., 31; Tejon Rancho, 26; Three Rivers, 30; Watsonville, 31; Yreka, 15, 16.

Earthquakes.—Mineral, 6; Spreckels, 5.

RELATIVE HUMIDITY.—(Per Cent.)

STATIONS.	5 A. M.	5 P. M.	Mean.
Eureka.....	94	82	88
Fresno.....	55	17	36
Los Angeles.....	89	57	73
Mount Tamalpais.....	43	38	40
Red Bluff.....	54	20	37
Sacramento.....	80	29	54
San Diego.....	92	76	84
San Francisco.....	92	73	83
San Jose.....	86	50	68
San Luis Obispo.....	88	51	70

SUNSHINE AND CLOUDINESS.

STATIONS.	Actual Hours of Sunshine.	Percent of the Possible.
Eureka.....	139	33
Fresno.....	418	100
Los Angeles.....	328	79
Mount Tamalpais.....	413	98
Red Bluff.....	416	98
Sacramento	394	93
San Diego.....	318	77
San Francisco.....	273	65
San Jose.....	359	85
San Luis Obispo.....	340	82

WIND MOVEMENT.—(Miles.)

STATIONS.	Total Move- ment for Mo.	Avr. Hr. Vel.	Max. Vel.	Dir.	Date.
Eureka.....	3734	5.0	19	n	2
Fresno.....	5918	8.1	22	nw	31
Independence.....	3992	5.4	33	se	26
Los Angeles.....	3691	5.0	21	e	26
Mount Tamalpais.....	10759	14.5	69	n	3
Point Reyes.....	18808	25.3	60	nw	10
Red Bluff.....	2868	3.9	13	n	2
Sacramento	5740	7.7	19	s	23
San Diego.....	4399	5.9	20	nw	18
San Francisco.....	8433	11.3	36	sw	2
San Jose.....	2960	4.0	19	nw	3
San Luis Obispo.....	2462	3.8	12	nw	11

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

Climatological Data for August, 1915.

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.	Showfall (unmelted).	Inch or more.	Clear.	Partly cloudy.	Cloudy.			
Alturas.....	Modoc.....	4,400	11	59.3	.....	103	28†	35	6†	61	0.12	-0.11	0.12	0	1	24	7	0	sw.	Prof. C. B. Towle.
American Camp.....	Tuolumne.....	3,200	29	77.2	.....	101	29	58	1	39	0.00	.....	0.00	0	0	0	0	0	.....	U. S. Forest Service.
Angiola.....	Tulare.....	203	15	75.3	-2.4	110	29	42	25	59	0.00	0	0.00	0	0	31	0	0	nw.	Santa Fe Co.	
Antioch **.....	Contra Costa.....	46	36	83.8	+9.3	106	27	62	20	.....	0.00	-0.02	0.00	0	0	31	0	0	e.	Southern Pacific Co.
Aptos **.....	Santa Cruz.....	102	30	64.2	+2.8	78	30	54	20	.....	0.00	-0.04	0.00	0	0	24	0	7	nw.	do
Arrowhead Springs.....	San Bernardino.....	2,000	6	79.4	.....	101	4†	53	22	36	0.47	.....	0.47	0	1	30	1	0	.....	John Jurgens.
Auburn.....	Placer.....	1,360	44	80.0	+4.1	103	25	52	5	37	0.00	-0.02	0.00	0	0	28	2	1	ne.	Southern Pacific Co.	
Avalon.....	Los Angeles.....	30	5	66.4	.....	78	29	55	8	16	0.01	.....	0.01	0	1	27	4	0	w.	T. S. Manning.
Azusa.....	do.....	540	13	78.2	+4.4	113	29	49	16	60	0.00	-0.08	0.00	0	0	30	1	0	w.	A. C. G. Fruit Exchange.	
Bagdad.....	San Bernardino.....	784	12	92.0	-2.8	114	11†	71	15	33	0.00	-0.46	0.00	0	0	30	0	1	n.	Santa Fe Co.	
Bakersfield.....	Kern.....	404	26	80.2	-2.8	109	29	47	24	52	0.00	-0.01	0.00	0	0	31	0	1	w.	do	
Barstow.....	San Bernardino.....	2,105	12	83.0	+0.2	105	3†	57	16	41	0.00	-0.15	0.00	0	0	30	1	0	.....	E. L. White.
Berkeley.....	Alameda.....	317	28	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	State University.	
Betteravia.....	Santa Barbara.....	155	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Union Sugar Co.	
Biggs **.....	Butte.....	98	16	83.6	+8.2	115	28	64	23	.....	0.00	-0.02	0.00	0	0	31	0	0	n.	Southern Pacific Co.
Bishop.....	do.....	4,450	20	70.6	-1.2	100	21†	41	15	54	0.00	-0.21	0.00	0	0	31	0	0	.....	Paul E. Lodge.
Bishop Creek.....	do.....	8,500	5	63.4	.....	88	30	35	2	45	0.10	.....	0.10	0	1	27	0	4	sw.	do
Blocksburg.....	Humboldt.....	1,700	9	70.6	.....	104	28	43	29	48	0.00	.....	0.00	0	0	30	1	0	nw.	Victor Hope.
Blue Canon.....	Placer.....	4,695	16	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Southern Pacific Co.	
Blythe.....	Riverside.....	268	6	88.8	.....	117	10†	59	8†	54	T.	.....	T.	0	0	22	7	2	s.	C. L. Stuits.
Branscomb.....	Mendocino.....	2,000	15	67.2	+1.9	98	28	42	4†	50	0.00	-0.04	0.00	0	0	27	3	1	n.	A. J. Haun.	
Brawley.....	Imperial.....	-105	5	59.6	.....	115 ¹	19	62 ¹	14	41 ¹	0.20	.....	0.20	0	1	.....	.....	.....	sw.	M. D. Witter.
Bridgeport.....	Mono.....	6,500	1	60.5	.....	90	23†	31	7	53	0.31	.....	0.14	0	3	15	9	7	w.	A. F. Scott.
Burney.....	Shasta.....	3,300	5	64.4	.....	99	28	34	5	57	0.00	.....	0.00	0	0	30	0	1	sw.	Mrs. M. D. Chambers.
Cahuilla.....	Riverside.....	3,600	4	61.8	.....	100	20	25	5	68	0.00	.....	0.00	0	1	30	0	1	sw.	Dr. W. L. Shawk.
Caliente **.....	Kern.....	1,200	39	81.9	-1.2	105	29†	60	25†	.....	0.00	-0.64	0.06	0	0	30	0	1	sw.	J. E. Peck.
Calistoga **.....	Napa.....	363	43	68.7	-1.6	106	29	50	23†	.....	0.00	-0.01	0.00	0	0	31	0	0	sw.	Southern Pacific Co.
Campbell.....	Santa Clara.....	217	18	65.9	+1.6	97	28	44	4	41	T.	-0.04	0.00	0	0	0	27	4	0	nw.	F. M. Righter.
Camptonville (near).....	Yuba.....	3,500	8	74.6	.....	100	28	52	7	38	0.00	.....	0.00	0	0	31	0	0	sw.	Cal. Gas and Electric Co.
Canon Dam.....	Plumas.....	4,370	1	68.6	.....	104	28	42	7	53	0.05	.....	0.05	0	1	26	5	0	s.	K. W. Robarts.
Cedarville.....	Modoc.....	4,675	21	73.8	+5.3	103 ²	29 ³	49 ³	3	45 ^b	0.00	-0.28	0.00	0	0	25	6	0	sw.	T. H. Johnstone.	
Centerville.....	Butte.....	490	1	74.2	.....	104	28†	50	5	50	0.00	.....	0.00	0	0	31	0	0	s.	Pacific Gas & Electric Co.
Chico.....	do.....	189	45	79.2	-2.3	110	28†	52	5	50	0.00	-0.02	0.00	0	0	31	0	0	s.	G. H. Stephenson.	
China Flat.....	Humboldt.....	600	6	73.8	.....	103	28	43	6†	47	0.00	.....	0.00	0	0	28	2	1	sw.	O. I. Westerburg.
Chino **.....	San Bernardino.....	714	23	74.2	-2.2	102	26†	56	16†	....	0.10	+0.05	0.10	0	1	22	4	5	sw.	Southern Pacific Co.
Cisco **.....	Placer.....	5,939	44	.....	.....	.....	.....	.....	.....	.....	0.00	-0.03	0.00	0	0	31	0	0	.....	do
Clemont.....	Los Angeles.....	1,200	23	75.8	+2.8	106	30	48	1	48	0.01	-0.04	0.01	0	1	24	6	1	w.	Prof. F. P. Brackett.	
Cloverdale.....	Sonoma.....	340	13	74.0	+3.9	108	28	48	5†	51	0.00	.....	0.00	0	0	29	0	0	n.	John O. Ogle.
Coalinga.....	Fresno.....	663	3	76.4	.....	112	30	40	23†	59	0.00	.....	0.00	0	0	31	0	0	w.	Producers Trans. Co.
Colfax.....	Placer.....	2,421	44	75.0	-1.5	101	30	55	7	34	0.00	-0.02	0.00	0	0	27	3	1	sw.	C. D. McComish.	
Colusa.....	Colusa.....	60	12	75.0	+0.5	105	28	55	14†	41	0.00	-0.01	0.00	0	0	31	0	0	w.	Edw. N. Mumms.	
Converse Nursery.....	San Bernardino.....	6,000	1	64.4	.....	85	19	41	14	35	0.52	.....	0.52	0	1	27	3	1	sw.	Southern Pacific Co.
Corning **.....	Tehama.....	277	29	84.6	+3.5	99	3†	70	20†	.....	0.00	-0.02	0.00	0	0	29	0	0	sw.	John O. Ogle.
Corona.....	Riverside.....	615	1	76.4	.....	107	19	51	24	50	0.27	.....	0.27	0	1	27	4	0	nw.	Producers Trans. Co.
Crescent City.....	Del Norte.....	125	1	61.9	+6.7	86	18	46	6	35	0.00	-0.52	0.00	0	0	29	0	2	sw.	J. W. Garthwaite.	
Cuyamaca.....	San Diego.....	4,677	16	69.8	+3.8	94	19	43	16	41	0.45	-0.19	0.45	0	1	29	1	1	sw.	Thos. E. Peacock.	
Davis.....	Yolo.....	51	43	75.6	+1.5	112	28	49	18†	56	0.00	-0.01	0.00	0	0	31	0	0	sw.	Cuyamaca Water Co.	
Deer Creek.....	Nevada.....	3,700	8	67.1	.....	96	28†	42	7†	48	0.00	.....	0.00	0	0	31	0	0	w.	S. H. Beckett.
Del Monte.....	Monterey.....	25	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Cal. Gas and Electric Co.	
Delta.....	Shasta.....	1,138	30	73.6	-2.8	105	28	42	6	42	0.00	-0.03	0.00	0	0	29	0	0	nw.	H. R. Warner.	
Death.....	Stanislaus.....	126	15	82.1	+0.3	103	29	52	8†	42	0.00	.....	0.00	0	0	31	0	0	sw.	Southern Pacific Co.
Dobbins (near).....	Butte.....	2,500	11	71.6	.....	101	25	48	7†	45	0.00	.....	0.00	0	0	30	1	0	sw.	Cal. Gas and Electric Co.
Downtieville.....	Sierra.....	1,650	11	78.9	+0.3	106	28†	58	6†	40	0.00	-0.01	0.00	0	0	23	3	0	s.	do	
Dudley.....	Kings.....	3,150	4	70.2	.....	104	28	40	7	57	0.00	.....	0.00	0	0	29	2	0	s.	J. T. Mason.
Dudleys.....	Mariposa.....	595	3	84.2	.....	112	29	62	13†	31	0.00	.....	0.00	0	0	28	3	0	w.	Producers Trans. Co.
Dunlap (near).....	Fresno.....	3,000	6	67.4	.....	97	29	41	12	48	T.	.....	T.	0	0	30	1	0	nw.	W. H. Dudley.
Dunnigan **.....	Yolo.....	63	38	91.6	+11.9	118	29	65	23	.....	0.00	-0.01	0.00	0	0	28	0	3	sw.	U. S. Forest Service.
Dunsnuir.....	Siskiyou.....	2,285	26	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	sw.	Southern Pacific Co.
Durham.....	Butte.....	160	20	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	r.	R. W. Durham.
East Park.....	Colusa.....	1	77.8	.....	.....	109	28	49	4	50	0.00	.....	0.00	0	0	30	1	0	s.	J. J. Lea.
Edison.....	Kern.....	2,500	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	sw.	So. Cal. Edison Co.
El Cajon.....	San Diego.....	482	16	74.2	+0.7	102	10†	51	17	49	T.	-0.11	T.	0	0	30	1	0	sw.	H. H. Kessler.	
Electra.....	Amador.....	225	11	76.2	-2.1	105	29	52	7	45	0.00	0	0.00	0	0	31	0	0	sw.	Cal. Gas and Electric Co.	
Emigrant Gap.....	Placer.....	5,230	21	.....	.....	107	18†	46	8	50	0.17	.....	0.17	0	1	28	3	0	sw.	Southern Pacific Co.
Eureka.....	Humboldt.....	64	29	57.8	+2.0	66	11	49	4	14	0.00	-0.14	0.00	0	0	4	13	0	n.	A. R. Moon.	
Farmington **.....	San Joaquin.....	111	36	82.1	+5.9	105	29	58	22	.....	0.00	-0.01	0.00	0	0	28	0	3	sw.	U. S. Weather

Climatological Data for August, 1915.—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 (unmelted).	Precipitation, 1 in. or more, clear.	Partly cloudy.	Cloudy.	Prevailing direction of wind.
Jamestown.	Tuolumne.	1,471	12	75.3 ¹	+1.4	104 ¹	29	50 ¹	7	45 ¹	0.00	-0.02	0.00	0	0	0	0	
Kennett.	Amador.	1,500	1	76.4	-	102	29	52	22	36	0.00	0.00	0.00	0	27	4	0	
Kentfield.	Shasta.	730	8	80.6	-	109	28	56	54 ¹	47	0.00	0.00	0.00	0	23	3	5	
King City.	Marin.	65	27	64.4	-	98	28	42	18	47	0.00	0	0.00	0	31	0	0	
La Jolla.	Monterey.	333	28	75.9	+8.8	107 ¹	28	49	34 ¹	48	0.00	0	0.00	0	29	0	2	
Lake Eleanor.	San Diego.	2,715	1	73.3 ¹	-	99 ¹	18 ¹	50 ¹	23	33 ¹	0.90	0.90	0.00	0	29	1	1	
Lake Spaulding.	Tuolumne.	4,700	5	67.9	-	97	29	44	31	50	0.00	0.00	0.00	0	29	1	1	
La Porte.	Nevada.	4,600	1	66.7	-	94	29 ¹	40	7	44	0.00	0.00	0.00	0	31	0	0	
Las Plumas.	Plumas.	5,000	21	64.2	+2.9	92	28	34	7	40	0.00	-0.16	0.00	0	31	0	0	
Le Grande.	Butte.	506	1	83.8	-	112	28	62	24	40	0.00	0.00	0.00	0	31	0	0	
Lemon Cove.	Merced.	255	15	78.8	+1.6	105 ¹	24 ¹	55	15	48	0.00	0	0.00	0	31	0	0	
Lick Observatory.	Tulare.	600	20	83.0 ¹	+3.0	122 ¹	30	58 ¹	77 ¹	46 ¹	0.00	0	0.00	0	28 ¹	0 ¹	0	
Lindsay.	Santa Clara.	4,209	26	71.6 ¹	+2.2	87 ¹	29	54 ¹	13 ¹	21 ¹	T.	-0.02	T.	0	30	1	0	
Livermore.	Tulare.	384	1	78.2	-	169 ¹	29	50	24 ¹	51	0.00	0.00	0.00	0	29	2	0	
Lone Pine.	Alameda.	485	44	78.2	+8.2	108	28	49	47	50	0.00	-0.01	0.00	0	27	4	0	
Los Angeles.	Irryo.	3,728	10	70.6	+3.5	100	28	53	15 ¹	44	0.05	-0.17	0.05	0	29	2	0	
Los Angeles.	Los Angeles.	293	28	72.6	+4.0	99	30	57	26	33	0.00	-0.03	0.00	0	20	11	0	
Los Baños **.	Merced.	121	28	92.2	+13.4	108	30	85	11 ¹	0.00	-0.01	0.00	0	30	0	1		
Los Gatos.	Santa Clara.	630	28	69.2	+2.0	101	28	48	54 ¹	41	T.	-0.05	T.	0	29	2	0	
Lyon Valley.	San Diego.	2,250	1	65.8	-	95	28	36	5	55	0.00	0.00	0.00	0	29	2	0	
McCloud.	Siskiyou.	3,410	5	65.8	-	97	28	38	5	55	0.00	0.00	0.00	0	29	2	0	
Macdoel.	do	4,528	10	64.4	-	98	28 ¹	38	56	56	0.48	0.33	0	2	0	0	0	
Madeline.	Lassen.	5,270	6	68.4	-	96	29	43	9 ¹	47	0.28	0.28	0	1	22	6	3	
Magalia.	Butte.	2,321	11	73.8	+1.4	106	28	48	54 ¹	44	0.00	-0.02	0.00	0	31	0	0	
Mammoth Tank.	Imperial.	257	37	93.2	-3.6	117	19	70	13	40	0.20	-0.14	0.20	0	27	2	0	
Maricopa.	Kern.	640	4	82.2	-	109	30	60	71	41	0.00	0.00	0.00	0	31	0	0	
Marysville.	Yuba.	67	44	77.2	-1.7	110	28	51	7	49	0.00	-0.01	0.00	0	31	0	0	
Mecca.	Riverside.	-185	9	90.6	-	117	19	61	14	42	0.35	0.35	0	1	27	4	0	
Merced.	Merced.	173	41	78.5	-0.8	108	20	54	14	44	0.00	-0.02	0.00	0	31	0	0	
Middlewater.	Kern.	803	4	-	-	-	-	-	-	-	0.00	0.00	0.00	0	29	2	0	
Mill Creek - 1.	Amador.	2,500	8	69.4	-	95	29	49	12	39	0.00	0.00	0.00	0	30	1	0	
Mill Creek - 2.	San Bernardino.	2,950	1	82.4	-	105	19	58	24	36	0.19	+0.10	0.14	0	28	3	0	
Milton (near).	Calaveras.	660	24	79.6	+3.3	107	29	55	27	40	0.00	-0.01	0.00	0	29	2	0	
Mineral.	Tehama.	62.1	-	-	-	93	29	35	8 ¹	50	0.00	0.00	0.00	0	31	0	0	
Modesto **.	Stanislaus.	99	43	78.1	-1.6	106	29	53	6 ¹	56	0.00	0.00	0.00	0	31	0	0	
Mokelumne Hill.	Cathavera.	1,550	22	78.6	+4.4	103	29	57	7	36	0.24	+0.22	0.24	0	30	0	1	
Montague **.	Siskiyou.	2,450	27	75.2	-0.1	104	28	48	4	49	T.	-0.21	T.	0	15	16	0	
Monterey **.	Monterey.	15	50	66.7	+4.8	82	24 ¹	52	19 ¹	0.00	-0.02	0.00	0	31	0	0		
MOUNT TAMALPAIS.	Marin.	2,375	16	71.7	+5.8	92	29	50	23	19	0.00	-0.01	0.00	0	29	2	0	
Napa City.	Napa.	20	38	-	-	-	-	-	-	-	0.00	0.00	0.00	0	29	2	0	
Napa (S. II.)	do	60	37	-	-	-	-	-	-	-	0.00	0.00	0.00	0	30	1	0	
Needles.	San Bernardino.	477	23	89.0	-3.7	112 ¹	16 ¹	65	17	42	0.25	-0.24	0.25	0	1	26	5	0
Nellie.	San Diego.	5,350	6	74.2	-	98	12	54	23	37	0.38	0.38	0	1	27	4	0	
Nevada City.	Nevada.	2,850	23	71.4	+3.3	101	29	44	7	60	0.00	-0.05	0.00	0	30	1	0	
Newhall **.	Los Angeles.	1,200	39	79.3	+2.0	107	10	48	25	35	0.00	-0.03	0.00	0	31	0	0	
Newman.	Stanislaus.	91	26	78.2	-2.0	110	29	40	24	55	0.00	-0.02	0.00	0	28	3	0	
North Bloomfield.	Nevada.	3,214	18	72.0	+1.6	104	28	48	7	46	0.00	-0.06	0.00	0	28	3	0	
North Fork.	Madera.	3,000	11	72.8	-	101	29	49	12	47	0.00	-0.14	0.00	0	30	1	0	
Oakdale **.	Stanislaus.	156	21	81.8	+5.6	107	29	60	7	61	0.00	-0.01	0.00	0	30	1	0	
Oak Grove.	San Diego.	2,751	5	69.2 ¹	+3.4	83	28	50	20	25	0.00	-0.03	0.00	0	28	22	0	
Oakland.	Alameda.	36	39	84.7 ¹	+3.4	84	28	56	16	22	T.	-0.03	0.00	0	18	9	4	
Oceanside.	San Diego.	60	5	68.2	-	104	29	58	16	22	T.	-0.03	0.00	0	25	6	0	
Ojai Valley.	Ventura.	909	9	74.2	-	104	29	46	26	58	0.00	0.00	0.00	0	28	3	0	
Orland.	Glenn.	254	33	81.2	-3.0	112	28	56	5	47	0.00	-0.02	0.00	0	25	6	0	
Oroville (near).	Humboldt.	520	12	77.6	+0.7	105	19	52	46	56	0.00	-0.15	0.00	0	29	2	0	
Pacific.	Butte.	250	31	78.5	-0.1	110	28	63	61	62	0.00	-0.02	0.00	0	30	1	0	
Palm Springs **.	El Dorado.	3,400	69	62.2	-	96	29	50	17	38	T.	-0.02	0.00	0	31	0	0	
Pasadena.	Riverside.	554	26	92.9	+1.5	114	19	78	24	35	0.02	-0.18	0.02	0	26	4	1	
Paso Robles.	Los Angeles.	827	25	73.3	-0.2	101	11	43	25	47	0.00	-0.02	0.00	0	31	0	0	
Peachland.	San Luis Obispo.	800	23	73.4	+3.2	109	30	42	19	63	0.00	-0.07	0.00	0	31	0	0	
Petaluma.	Sonoma.	190	19	67.9	+4.2	104	28	42	4	51	0.00	-0.03	0.00	0	30	1	0	
Pocono Dam.	do	1	66.0	-	99	28	42	4	51	0.00	-0.01	0.00	0	27	1	3		
Placerville.	Tuolumne.	2,500	1	88.6	-	105	18	72	26	21	0.00	0.00	0.00	0	31	0	0	
Red Bluff.	El Dorado.	1,875	26	71.3	+1.4	98	29	48	7	40	0.00	-0.03	0.00	0	30	1	0	
Redding.	Shasta.	520	40	80.8 ¹	-0.2	111 ¹	28	58 ¹	61	46 ¹	0.00	-0.07	0.00	0	30	1	6	
Redlands.	San Bernardino.	1,352	22	77.9	+0.7	105	19	51	15 ¹	46	0.29	-0.05	0.25	0	23	2	0	
Reedley.	Fresno.	347	15	75.8	-4.0	109	29	47	6	50	0.00	0.00	0.00	0	20	0	0	
Rialto (near).	San Bernardino.	2,250	9	78.2	-	101	19	54	15 ¹	35	0.31	0.31	0.00	0	29	1	0	
Riverside.	Riverside.	851	33	76.2	-0.2	108	10 ¹	47	16 ¹	60	1.02	+0.58	1.01	0	22	3	0	
Rocklin.	Placer.	249	44	77.1	-1.1	108	29	46	25	51	0.00	-0.04	0.00	0	29	1	1	
Rohrberville.	Humboldt.	75	12	64.6	-	84	18	49	7	35	T.	-0.05	T.	0	20	1	10	
Ruth.	Trinity.	2,925	1	69.4	-	100	29	43	3	49	0.00	0.00	0.00	0	31	0	0	
SACRAMENTO.	Sacramento.	71	38	75.0	+2.9	105	28	55	6	58	0.01	+0.01	0.01	0	31	0	0	
St. Helena.	Napa.	255	7	72.9	-	112	28	46	51	59	0.00	0.00	0.00	0	31	0	0	
Salinas.	Monterey.	40	41	-	-	-	-	-	-	-	0.00	-0.02	0.					

Climatological Data for August, 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 (unmelted).	Precipitation (0.1 inch or more).	Clear.	Partly cloudy.	Cloudy.		
Sierraville.....	Sierra.....	5,000	5	60.6	—	96	28†	34	24†	55	0.27	0.27	0	1	26	3	2	sw.	C. D. Johnson.	
Sisson.....	Siskiyou.....	3,555	26	68.4	-0.2	99	18	39	15	60	0.00	-0.33	0.00	0	31	0	0	n.	Southern Pacific Co.	
Soledad **.....	Monterey.....	188	41	73.1	+8.0	93	3	60	23	....	0.00	0	0.00	0	31	0	0	n.	do
Sonora.....	Tuolumne.....	1,825	4	.....	.....	90	27	44	4†	36	0.00	-0.01	0.00	0	25	4	2	w.	Chas. P. Jones.
Spreckels.....	Monterey.....	48	1	62.6	.....	97	29	41	1	50	0.00	0.00	0	0.29	2	0	0	.....	Spreckels Sugar Co.
Springville.....	Tulare.....	4,000	8	68.3	.....	86	18	47	14	31	1.05	+0.91	1.05	0	30	1	0	s.	Mrs. Claire McGeorge.
Squirrel Inn.....	San Bernardino.....	5,280	5	67.0	.....	100	28	48	14†	46	0.00	-0.01	0.00	0	30	1	0	w.	A. D. Frantz.
Stanwood.....	Butte.....	2,140	11	70.4	-1.5	100	28	48	14†	46	0.00	-0.10	0.00	0	31	0	0	se.	Cal. Gas and Electric Co.	
Stirling City.....	do.....	3,525	11	73.0	.....	103	25	49	21	49	0.00	0.00	0	0	31	0	0	sw.	Butte Co. R. R. Co.
Stockton (S. H.).....	San Joaquin.....	23	44	75.7	-3.2	100	19†	53	7	40	0.00	-0.01	0.00	0	30	1	0	nw.	State Hospital.	
Storey.....	Madera.....	296	15	77.8	-0.8	107	29	50	13†	45	0.00	0.00	0	0	31	0	0	.....	Santa Fe Co.
Suisun **.....	Solano.....	20	35	74.2	+3.5	103	28	60	14†	45	0.00	-0.03	0.00	0	19	0	12	nw.	Southern Pacific Co.	
Sulphur Banks.....	Lake.....	1,350	3	74.0	.....	106	28	46	11	50	0.00	0.00	0	0	26	0	5	w.	M. S. Walters.
Summit.....	Placer.....	7,017	42	59.7	-0.6	82	29	29	1	42	T.	-0.11	T.	0	0	29	0	2	sw.	Southern Pacific Co.
Susanville.....	Lassen.....	4,175	26	71.2 ²	+2.2	99	29	45 ^j	9	53 ^j	0.00	-0.25	0.00	0	30	1	0	.....	G. H. Taylor.
Tahoe.....	Placer.....	6,500	1	61.2	89	29	37	6	45	T.	0	0	0	0	28	3	0	w.	Mrs. Northrup A. Pomin.
Tamarack.....	Alpine.....	8,000	9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Cal. Gas and Electric Co.
Tehama **.....	Tehama.....	220	44	80.8	-0.5	103	28	65	2	58	0.00	-0.04	0.00	0	0	0	0	.....	do
Tejon Rancho.....	Kern.....	1,500	12	83.0	+4.4	102	30	63	15†	29	0.00	-0.05	0.00	0	30	1	0	w.	W. B. de Villier.	
Three Rivers.....	Tulare.....	870	5	78.6	.....	105	29	53	1	45	0.00	0.00	0	0	29	2	0	sw.	J. H. Pierce.
Towle.....	Placer.....	3,704	29	69.7	+1.2	97	30	48	7	40	0.00	-0.01	0.00	0	30	1	0	s.	Southern Pacific Co.	
Tracy **.....	San Joaquin.....	64	35	81.6	+4.1	106	28	56	23	58	0.00	-0.01	0.00	0	30	0	1	.....	do
Truckee.....	Nevada.....	5,819	44	62.8	-0.6	101	28	33	5	62	T.	-0.11	T.	0	0	30	0	1	w.	Irving Co.
Tustin (near).....	Orange.....	125	1	72.2	101	30	50	19	39	T.	0	T.	0	0	31	0	0	w.	U. S. Forest Service.
Twin Valley.....	Lake.....	.....	.....	71.6	.....	108	29	40	5	56	0.00	0.00	0	0	30	1	0	nw.	Dr. George McCown.
Ukiah.....	Mendocino.....	620	22	73.1	+2.4	107	28	45	6†	54	0.00	-0.01	0.00	0	30	0	1	.....	C. M. Hammond.
Upper Lake.....	Lake.....	1,350	30	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	R. L. Nougarret.
Vacaville.....	Solano.....	175	27	74.2	-0.3	109	27	47	4†	58	0.00	-0.03	0.00	0	31	0	0	w.	J. E. Bassford.	
Valley Springs **.....	Calaveras.....	673	26	81.4	+3.5	110	29	60	12†	58	0.20	+0.19	0.20	0	30	1	0	nw.	Southern Pacific Co.	
Visalia.....	Tulare.....	334	27	78.2	-0.2	106	29	51	14	49	0.00	0.00	0	0	31	0	0	nw.	Santa Fe Co.	
Walnut Creek.....	Contra Costa.....	149	1	69.8	-2.3	104	28	44	4	44	0.00	-0.19	0.00	0	30	0	1	.....	R. L. Nougarret.
Warner Springs.....	San Diego.....	3,165	7	75.2	.....	103	19	45	14†	47	0.77	0.77	0	0	30	0	1	se.	J. A. Ream.
Watsonville.....	Kern.....	336	15	81.4	+1.8	108	30	57	8	43	0.00	-0.02	0.00	0	29	0	2	s.	Santa Fe Co.	
Weaverville.....	Santa Cruz.....	23	19	61.4	-0.8	88	7†	38	34	45	0.05	+0.04	0.05	0	1	8	18	5	Spreckels Sugar Co.
Weitchpec.....	Trinity.....	2,162	3	70.3	.....	105	29	42	4	58	0.00	-0.11	0.00	0	28	1	2	nw.	U. S. Forest Service.
West Branch.....	Humboldt.....	1,700	5	69.0	.....	98	19†	43	3	43	0.00	0.00	0	0	27	1	3	nw.	G. S. Garnett.
Westley **.....	Butte.....	3,216	1	69.6	.....	104	28	42	7	51	0.00	0.00	0	0	31	0	0	n.	Cal. Gas and Electric Co.
Yerba Linda.....	Stanislaus.....	99	26	82.9	+3.7	109	29	60	5†	60	0.00	0.00	0	0	31	0	0	n.	Southern Pacific Co.	
Yorba Linda.....	Yuba.....	84	28	77.5	+2.4	107	28	56	7	41	0.00	-0.03	0.00	0	27	4	0	s.	Wm. Lumbard.	
Yosemite.....	Glenn.....	136	36	80.6	-1.0	112	28	55	5	46	0.00	-0.03	0.00	0	31	0	0	sw.	F. E. Barnhouse.	
Yreka.....	Orange.....	405	1	74.8	.....	104	30	50	19	44	0.01	0.01	0	1	31	0	0	w.	S. J. Walker.
Means and Extremes.....	Mariposa.....	3,945	11	.....	.....	.....	.....	.....	.....	.....	0.00	-0.28	0.00	0	31	0	0	s.	J. P. Kelly.
.....	Siskiyou.....	2,625	26	.....	.....	103	29	.....	.....	.....	0.02	0	0	1	21	6	4	nw.	U. S. Forest Service.

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.

‡ 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.

A BRILLIANT AURORA.

(DR. S. D. TOWNLEY, Stanford University.)

In the early morning hours of June 17, 1915 (civil time) a beautiful aurora was seen from Mount Hamilton. It was first noticed shortly after mid-night and became most brilliant at about 2:30 (P. S. T.). The illumination extended from 15° to 30° west of north to 80° or 90° east of north. The streamers reached half way to the zenith, up into the Milky Way about Cassiopeiae. A few of the streamers were as long as 60° and the forms were changing constantly. There was a distinct crimson color in the east, just over Copernicus Peak as seen from near the 12-inch dome.

An aurora in California, at least in the region around San Francisco Bay, is a very rare phenomenon and I have no recollection of ever having seen one in this region before.

COMPARATIVE DATA FOR AUGUST.

(MEAN MONTHLY TEMPERATURE FOR THE STATE.)

1897.....	73.9	1907.....	71.0
1898.....	74.5	1908.....	73.3
1899.....	70.8	1909.....	72.1
1900.....	71.0	1910.....	70.1
1901.....	75.6	1911.....	72.5
1902.....	71.8	1912.....	70.2
1903.....	72.6	1913.....	74.8
1904.....	73.9	1914.....	72.1
1905.....	73.4	1915.....	74.2
1906.....	73.6	.....	.....

(AVERAGE PRECIPITATION FOR THE STATE.)

1897.....	0.03	1907.....	0.11
1898.....	0.02	1908.....	0.12
1899.....	0.11	1909.....	0.19
1900.....	0.02	1910.....	0.01
1901.....	0.12	1911.....	0.00
1902.....	0.06	1912.....	0.06
1903.....	0.02	1913.....	0.30
1904.....	0.17	1914.....	0.02
1905.....	0.03	1915.....	0.06
1906.....	0.13	.....	.....

DELAYED REPORTS.

Stations.	Month.	Temperature.					Total precipitation
		Mean	Max	Date	Min	Date	
Abbotts.....	June.	.....	.....	.....	.....	.....	0.00
Glenn Ranch.....	"	73.6	95	9†	42	11	0.00
Lone Pine.....	"	73.6	95	9†	42	11	0.00
Abbotts.....	July.	.....	.....	.....	.....	.....	0.00
Antelope Valley.....	"	.....	.....	.....	.....	.....	0.00
Fort Ross.....	"	65.4	92	24	40	7	0.07
Glenn Ranch.....	"	65.4	92	24	40	7	0.00
Lone Pine.....	"	75.7	98	12†	47	4	T.
Lyon Valley.....	"	67.2	110	22	32	4	0.00
Madeleine.....	"	65.4	92	24	40	7	0.15
Mitchell Mill.....	"	.....	.....	.....	.....	.....	0.00
Oak Grove.....	"	65.6	94	23	37	15	0.00
Seven Oaks.....	"	62.3	90	23	33	15	0.00
Susanville.....	"	67.8	95	21†	38	6	0.35

Daily Precipitation for August, 1915.

Daily Precipitation for August, 1915.—Continued.

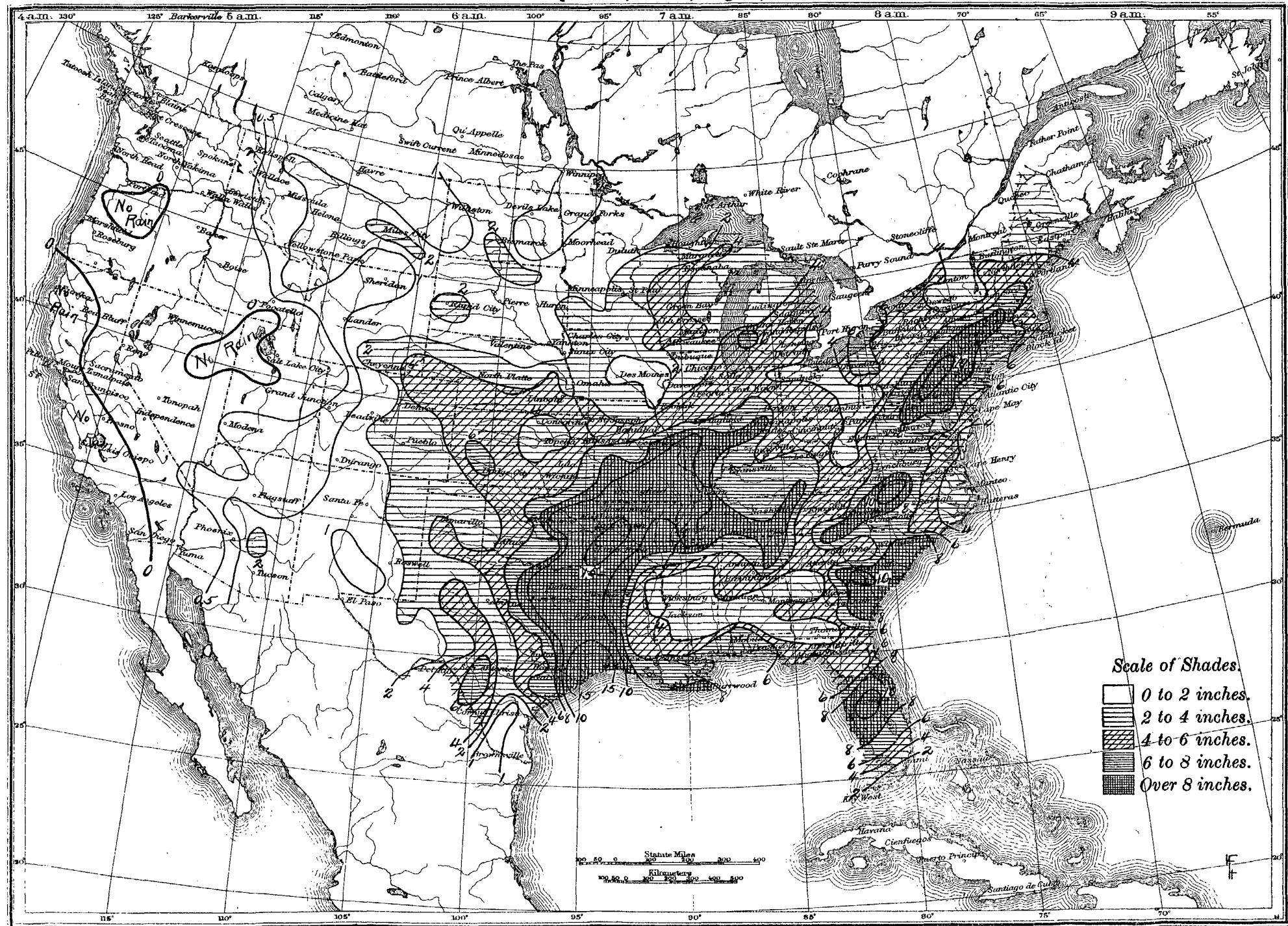
Daily Precipitation for August, 1915.—Continued.

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		
Pacific.....																																T.	T.
Palm Springs.....																																0.02	0.02
Parkfield.....																																0.00	0.00
Pasadena.....																																0.00	0.00
Paso Robles.....																																0.00	0.00
Peachland.....																																0.00	0.00
Tetlaluma.....																																0.00	0.00
Phoenix Dam.....																																0.00	0.00
Pilot Creek.....																																0.00	0.00
Pine Crest.....																																0.00	0.00
Placerville |||.....																																0.00	0.00
Point Loma |||.....																																0.00	0.00
POINT REYES**.....																																0.00	0.00
Pomona |||.....																																0.02	0.02
Porterville |||.....																																0.00	0.00
Portola.....																																0.08	0.08
Priest Valley |||.....																																0.00	0.00
Quincy.....																																0.00	0.00
RED BLUFF**.....																																0.00	0.00
Redding |||.....																																0.00	0.00
Redlands.....																																0.29	0.29
Reedley.....																																0.00	0.00
Represa |||.....																																0.00	0.00
Rialto (near).....																																0.31	0.31
Rio Vista.....																																1.02	1.02
Riverside.....																																0.00	0.00
Rocklin |||.....																																T.	T.
Rohnerville.....																																0.00	0.00
Ruth.....																																0.00	0.00
SACRAMENTO***.....																																0.01	0.01
St. Helena |||.....																																0.00	0.00
Salinas.....																																0.00	0.00
San Bernardino.....																																0.53	0.53
SAN DIEGO***.....																																0.00	0.00
SAN FRANCISCO***.....																																0.00	0.00
San Jacinto.....																																0.28	0.28
San Jose***.....																																0.04	0.04
SAN LUIS OBISPO***.....																																0.00	0.00
San Mateo.....																																0.00	0.00
San Miguel.....																																0.00	0.00
San Miguel Island.....																																0.00	0.00
Sanger.....																																0.00	0.00
Santa Ana River.....																																0.04	0.04
Santa Barbara.....																																0.00	0.00
Santa Clara.....																																0.00	0.00
Santa Cruz.....																																0.00	0.00
Santa Margarita.....																																0.00	0.00
Santa Monica.....																																0.00	0.00
Santa Rosa.....																																0.00	0.00
Selma.....																																0.00	0.00
Seven Oaks |||.....																																0.75	0.75
Shively.....																																0.00	0.00
Sierra Madre.....																																0.27	0.27
Sieraville.....																																0.00	0.00
Sisson |||.....																																0.00	0.00
Soledad.....																																0.00	0.00
Sonora.....																																0.00	0.00
Spreckels |||.....																																0.00	0.00
Springville.....																																1.05	1.05
Squirrel Inn.....																																1.05	1.05
Stanwood.....																																0.00	0.00
Stirling City |||.....																																0.00	0.00
Stockton (S. H.) |||.....																																0.00	0.00
Storey.....																																0.00	0.00
Suisun.....																																0.00	0.00
Sulphur Banks.....																																T.	T.
Summit-1.....					</td																												

Daily Temperature for August, 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	91	93	93	94	95	93	89	94	98	97	92	94	97	94	94	91	92	96	98	98	95	93	94	96	100	103	95	93	95.1			
	Minimum	40	44	44	38	36	35	35	37	38	44	45	46	47	45	46	44	47	41	42	44	45	44	42	43	45	41	42	45	52	50	43.5	
Bakersfield.....	Maximum	102	105	104	103	102	100	98	98	103	105	99	102	96	93	99	99	105	103	104	105	105	103	104	104	105	107	107	106	105	105		
	Minimum	61	61	69	68	66	66	59	58	60	63	58	62	60	60	58	50	62	57	54	53	49	49	47	54	50	50	60	70	69	69.0		
Barstow.....	Maximum	104	104	105	104	103	102	100	102	104	104	104	100	97	95	95	95	100	101	104	105	103	98	97	94	94	97	97	104	100	93	100.2	
	Minimum	69	71	69	70	65	68	68	63	66	67	71	68	61	58	57	60	62	65	67	65	63	65	62	64	67	68	70	70	65	65.7		
Blocksburg.....	Maximum	83	85	83	83	82	85	85	81	84	82	80	83	81	80	82	83	83	95	100	101	99	97	95	93	97	96	104	90	98	89.1		
	Minimum	51	52	50	51	49	52	55	55	48	51	49	58	53	49	51	50	51	54	67	62	49	50	51	50	56	43	50	46	52.0			
Burney.....	Maximum	88	85	84	85	85	73	82	84	84	85	83	84	82	83	80	85	89	91	87	85	87	89	87	88	99	95	95	85	86.1			
	Minimum	42	45	44	40	34	36	35	39	40	42	41	44	48	52	47	40	40	41	42	42	44	45	52	47	40	41	42	47	48	45		
Calexico.....	Maximum	104	107	112	108	107	107	112	111	110	115	114	107	108	103	105	107	110	114	117	115	112	110	105	105	101	93	95	99	105	103	101	107.2
	Minimum	70	76	72	79	80	68	70	78	75	72	68	71	74	76	75	70	76	72	64	64	74	80	72	75	75	76	71	73.8				
Chico.....	Maximum	102	105	100	98	97	96	94	99	102	101	96	98	94	90	94	96	98	102	105	104	102	100	104	110	110	103	102	93.3				
	Minimum	68	64	60	60	52	62	53	54	51	55	60	58	56	58	58	56	58	60	62	56	58	60	62	64	60	59	59.0					
Colfax.....	Maximum	86	91	91	92	90	89	85	85	89	91	91	90	85	87	85	87	87	90	91	96	95	90	86	80	80	90	96	95	90.1			
	Minimum	58	62	58	55	57	53	56	60	62	58	58	57	60	58	57	60	62	62	60	56	56	60	58	62	60	59	59.9					
Colusa.....	Maximum	95	95	94	87	89	86	85	91	93	91	90	89	87	87	88	92	90	94	96	91	85	85	83	86	93	93	95	91.0				
	Minimum	61	63	60	60	57	57	55	60	60	58	58	57	55	55	55	58	60	53	57	56	58	59	59	61	64	66	65	59.0				
Escondido.....	Maximum	82	88	90	89	89	95	96	93	94	100	96	90	86	86	87	85	93	97	92	90	97	88	83	85	96	100	98	98	91.6			
	Minimum	61	62	59	62	57	54	57	48	45	56	55	60	60	58	49	46	47	49	53	57	59	58	56	56	56	56	70	64	62	61	56.2	
Eureka.....	Maximum	58	60	63	61	61	63	59	63	65	65	66	62	61	59	62	64	65	60	59	63	61	60	63	61	60	63	62	63	62.1			
	Minimum	53	52	54	59	50	53	53	51	56	60	58	57	55	54	54	52	54	51	52	52	51	52	51	52	51	52	51	53	53.7			
Fresno.....	Maximum	99	104	102	101	101	96	95	95	102	101	98	97	92	93	95	97	101	103	101	104	100	92	89	90	96	97	101	105	103	99.2		
	Minimum	67	70	66	66	65	62	69	67	66	63	62	60	68	62	60	68	62	65	69	66	65	69	71	76	74	73	74	64.6				
Hanford.....	Maximum	101	104	103	100	101	97	99	103	102	101	103	104	99	97	101	104	104	101	98	91	90	95	97	102	103	104	105	109.6				
	Minimum	82	85	92	88	81	80	83	87	87	89	83	80	74	76	69	74	80	83	84	79	70	68	73	76	70	69	77	71	70.9			
Hollister.....	Maximum	49	49	51	48	51	48	48	48	49	49	50	50	52	53	53	54	56	45	50	49	52	57	56	54	52	60	59	57	52.3			
Independence.....	Maximum	91	94	94	94	93	92	92	93	96	95	97	96	93	90	88	88	89	92	92	93	92	93	93	96	98	95	91	93.3				
	Minimum	58	59	57	60	54	59	58	55	58	57	56	52	52	52	52	56	60	61	61	63	62	60	62	61	61	66	64	58.2				
Indio.....	Maximum	105	110	114	112	108	107	112	113	115	111	111	111	107	103	108	109	111	117	111	107	104	106	101	100	98	103	106	104	101	108.5		
	Minimum	74	73	76	76	84	78	78	79	80	78	77	70	74	71	70	72	78	80	85	75	76	70	73	75	79	80	76	70	76.0			
La Porte.....	Maximum	82	78	77	77	73	78	70	79	78	75	75	74	74	75	74	78	81	81	76	76	73	78	83	84	81	78	79	71.9				
	Minimum	51	52	49	46	46	47	34	41	39	57	48	48	47	48	45	46	47	48	45	48	45	51	50	52	55	53	55	57	55.4			
Lemon Cove.....	Maximum	104	105	100	107	106	102	100	105	102	104	103	104	101	99	99	100	103	108	109	107	109	101	101	108	105	107	102	..	*103.3			
	Minimum	60	62	64	62	63	60	58	59	60	59	60	61	60	61	61	60	59	60	62	67	65	60	61	64	73	70	69	68	62.8			
Los Angeles.....	Maximum	75	80	83	84	81	80	84	86	84	90	94	82	78	78	78	78	84	86	85	80	75	77	77	82	98	95	88	83.4				
	Minimum	60	62	61	61	63	62	59	60	67	63	63	62	60	59	58	58	57	61	60	60	61	60	60	60	60	60	60	61.7				
Merced.....	Maximum	88	96	101	101	99	97	99	94	90	100	100	99	95	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	96.7		
	Minimum	50	52	55	58	57	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55.3			
Mokelumne Hill.....	Maximum	94	97	96	94	92	89	89	94	96	95	94	91	90	88	87	87	91	94	96	96	97	98	99	100	100	101	101	94.2				
	Minimum	67	69	62	59	55	57	55	66	61	62	60	61	63	62	65	68	70	72	63	63	61	61	63	61	63	61	64	64.5				
Needles.....	Maximum	103	102	110	103	101	106	107	107	112	110	110	106	105	106	105	107	108	111	111	116	102	101	94	91	96	101	103	105	101	104.9		
	Minimum	78	69	74	79	77	75	72	70	76	75	75	74	74	75	74	76	70	69	71	67	69	77	72	78	75	72	72	73.0				
North Fork.....	Maximum	86	92	98	97	96	99	93	95	95	93	92	92	92	92	92	92	93	97	93	97	93	97	93	94	93	94	93	94.3				
	Minimum	55	55	52	52	52	52	50	50	53	51	49	50	52	54	50	50	50	51	52	54	52	51	51	52	53	54	51	52.1				
Orland.....	Maximum	105	104	103	104	99	95	94	99	104	101	99	99	96	95	96	98	98	102	104	104	105	105	105	105	105	105	105	106.0				
	Minimum	67	67	69	58	56	57	56	55	53	52	51	56	55	55	55	55	55															

Total Precipitation, Inches, August, 1915.





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.