

U. S. DEPARTMENT OF AGRICULTURE  
WEATHER BUREAU

CHARLES F. MARVIN, CHIEF

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CLIMATOLOGICAL DATA

CALIFORNIA SECTION

JUNE, 1915

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BY

GEORGE H. WILLSON

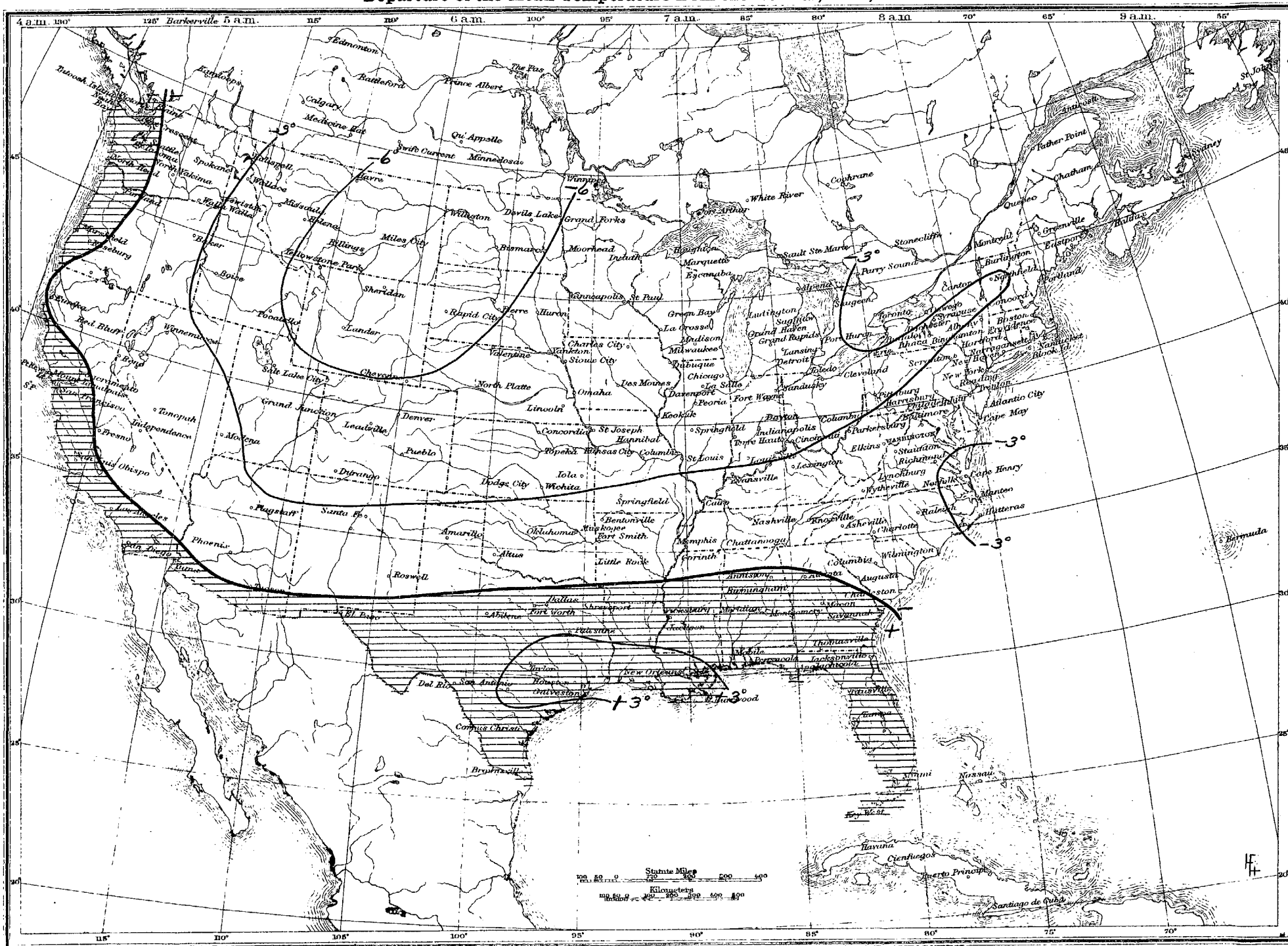
DISTRICT FORECASTER AND SECTION DIRECTOR

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

# Departure of the Mean Temperature from the Normal, June, 1915.



## U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## CALIFORNIA SECTION.

G. H. WILLSON, District Forecaster.

VOL. XIX. SAN FRANCISCO, JUNE, 1915. No. 6.

## GENERAL SUMMARY.

Mild temperatures and an almost total absence of rainfall were the chief features of California weather during the month. It was the driest June since 1901. There was no precipitation at all at 230 stations, and only 27 reported measurable amounts, these being chiefly confined to localities along the extreme north coast and the Siskiyou Mountains. Some showers fell over limited areas in the higher ranges of the Sierra Nevada Mountains, and in a few places in southern California, but the amounts everywhere were very light, seldom exceeding a tenth of an inch even at mountain elevations.

There were periods of warm weather, notably from the 6th to the 8th, inclusive and during the closing days of the month, but even the extremes of temperature were not unusually high for the season and the locality. The average temperature was below normal nearly everywhere north of the Tehachepi, while in southern California the reverse was the case, nearly all sections averaging above normal.

Strong winds from the north and northwest swept the northern part of the State on the 2nd and 3rd, and the following maximum wind velocities were recorded for this period: Eureka, 38 miles from the north; Red Bluff, 30 miles from the north; Sacramento, 40 miles from the northwest, and San Jose, 24 miles from the northwest. Except for this brief interval of desiccating wind, the weather was highly favorable to the cultivation of all crops and for out-door work of every kind.

## PRESSURE.

The monthly mean atmospheric pressure for the State, reduced to sea-level, was 29.96 inches.

The highest was 30.30 inches at Eureka on the 11th.

The lowest was 29.68 inches at Fresno on the 3rd.

The range for the State was 0.62 inch.

## TEMPERATURE.

The monthly mean temperature for the State was 67.3 degrees, which is 1.7 degrees below the normal.

The highest monthly mean was 100.4 degrees at Greenland Ranch and the lowest was 43.4 degrees at Tamarack.

The highest temperature, 118 degrees, occurred at Greenland Ranch on the 16th and the lowest was 20 degrees at Macdoel on the 11th.

The range for the State was 98 degrees.

## PRECIPITATION.

The average precipitation for the State was 0.01 inch or 0.30 inch below the normal.

The greatest monthly amount was 0.45 inch at Rohnerville while none occurred at 230 stations.

The greatest amount in 24 hours was 0.28 inch at Cedarville on the 11th.

## 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 84; Fresno 36; Los Angeles 74; Mount Tamalpais 39; Red Bluff 36; Sacramento 56; San Diego 82; San Francisco 76; San Jose 66; San Luis Obispo 72.

## WIND.

The prevailing direction of the wind was northwest.

## SUNSHINE AND CLOUDINESS.

At Eureka there were 242 hours of sunshine during the month or 54 per cent of the possible; at Fresno 438 hours or 99 per cent; at Los Angeles 330 hours or 76 per cent; at Mount Tamalpais 442 hours or 100 per cent; at Red Bluff 445 hours or 100 per cent; at Sacramento 443 hours or 99 per cent; at San Diego, 284 hours or 66 per cent; at San Francisco 377 hours or 85 per cent; at San Jose 382 hours or 87 per cent; at San Luis Obispo 364 hours or 84 per cent.

## MISCELLANEOUS PHENOMENA.

*Thunderstorms.*—Blythe, 2; Bridgeport, 26; China Flat, Crescent City, 15; Deer Creek, 13; De Sabla, Downieville, Fordyce Dam, 12; Happy Camp, 10, 15; Hornbrook, 15; Hullville, La Porte, 12; Lyon Valley, 22; Markleeville, 28; Mineral, 12; Montague, 22; Nevada City, 13; North Bloomfield, 12; Palm Springs, 4; Seven Oaks, 4; Sierraville, 28; Summit, Towle, 12; Weitchpec, 15; West Branch, 12.

*Earthquakes.*—Avalon, 18, 19; Beaumont, Blythe, 22; Brawley, 21 and almost daily thereafter; Calexico, 22, 23, 24; Campo, 22; Chester, 15; El Cajon, Indio, Julian, Mammoth Tank, Mecca, Nellie, Oak Grove, 22; Oakland, 6; Palm Springs, 22; Pasadena, 18; Redlands, 22; San Francisco, 6; Santa Monica, 18; Shively, 4; Spreckles, 26; Warner Springs, 23.

## OBSERVERS' NOTES.

*Burney.*—Frost on the 11th and 12th injured tender vegetables such as tomatoes and beans.—Mrs. Mary D. Chambers.

*Inskip.*—Snow remains in some spots on the north and northwestern sides of the higher mountains.—T. M. Cooper.

*Kinsley.*—A killing frost occurred on the 25th.—F. D. Hobron.

*Santa Barbara.*—The month was very pleasant. The cool fogs were of great benefit to growing crops. Hay is all cut and baling well along.—Geo. W. Russell.

*Willows.*—High north winds during the month caused considerable damage to grain.—F. E. Barnhouse.

Climatological Data for June, 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, etc.), Number of days (Clear, Partly cloudy, Cloudy), Prevailing direction of wind, Observers.

Climatological Data for June, 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 of 1/4 inch or more), Number of days (Clear, Partly cloudy, Cloudy), Prevailing direction of wind, Observers.

Climatological Data for June, 1915.—Continued.

Main climatological data table with columns for 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 (Clear, Partly cloudy, Cloudy), and Observers.

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 JUNE. (MEAN MONTHLY TEMPERATURE FOR THE STATE.)

Table showing mean monthly temperature for the state from 1897 to 1906 and 1907 to 1915.

(AVERAGE PRECIPITATION FOR THE STATE.)

Table showing average precipitation for the state from 1897 to 1906 and 1907 to 1915.

DELAYED REPORTS.

Table of delayed reports with columns for Stations, Month, Temperature (Mean, Max, Date, Min, Date), and Total precipitation.

ERRATA. APRIL, 1915.

Betteravia, page 46, mean monthly temperature 60.7°, should be 60.4°.
Bishop, page 46, number of days with .01 or more of precipitation 2, should be 3.
Blythe, page 46, mean monthly temperature 62.2°, should be 67.2.
Dudley's, page 49, precipitation on 28th 0.27, should be 0.21.
Independence, pages 46 and 52, minimum temperature 27° on 30th, should be 31° on same date; page 52, minimum 47° on 13th, should be 41°.
Kentfield, pages 47 and 50, total precipitation 1.62, should be 1.63.
Livermore, page 47, mean monthly temperature 58.8°, should be 58.4.
Los Angeles, page 47, number of partly cloudy and cloudy days recorded 12 and 14 respectively, should be 13 and 13 respectively.
North Bloomfield, page 47, date of lowest temperature 7th, should be 8th.
Springville, pages 48 and 51, total precipitation 5.72, should be 6.72.







Daily Precipitation for June, 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.....																																	0.00	
Palm Springs.....				T.																												T.	0.00	
Parkfield.....																																	0.00	
Pasadena.....																																	0.00	
Paso Robles.....																																	0.00	
Peachland.....																																	0.00	
Petaluma.....																																	0.00	
Phoenix Dam.....																																	0.00	
Pilot Creek.....																																	0.00	
Pine Crest.....																																	0.00	
Placerville   .....																																	0.00	
Point Loma   .....				T.																													0.00	
Point Reyes***.....									T.	T.	T.																						0.00	
Pomona   .....																																	0.00	
Porterville   .....																																	0.00	
Portola.....																																	0.00	
Priest Valley   .....																																	0.00	
Quincy.....																																	0.00	
RED BLUFF***.....																																	0.00	
Redding   .....																																	0.00	
Redlands.....																																	0.00	
Reedley.....																																	0.00	
Represa   .....																																	0.00	
Rialto (near).....				T.													T.															T.	0.00	
Rio Vista.....																																	0.00	
Riverside.....																																	0.00	
Rocklin   .....																																	0.00	
Rohnerville.....	10															20	15	T.															0.45	
Ruth.....																																	0.00	
SACRAMENTO***.....																																	0.00	
Saint Helena   .....																																	0.00	
Salinas.....																																	0.00	
San Bernardino.....																																	0.00	
SAN DIEGO***.....																																	0.00	
SAN FRANCISCO***.....																																	0.00	
San Jacinto.....																																	0.00	
SAN JOSE***.....																																	0.00	
SAN LEIS OBISPO***.....																																	0.01	
San Mateo.....																																	0.00	
San Miguel.....																																	0.00	
San Miguel Island.....																																	0.00	
Sanger.....																																	0.00	
Santa Ana River.....				10																													0.10	
Santa Barbara.....																	T.																T.	0.00
Santa Clara.....																																	0.00	
Santa Cruz.....																																	0.00	
Santa Margarita.....																																	0.00	
Santa Monica.....																																.01	0.01	
Santa Rosa.....																																	0.00	
Selma.....																																	0.00	
Seven Oaks   .....																																	0.00	
Shively.....																																	0.00	
Sierra Madre.....																																	T.	0.00
Sierraville.....																																	0.10	
Sisson   .....											.04																						0.04	
Soledad.....																																	0.00	
Sonora.....																																	0.00	
Spreckels   .....																																	0.00	
Springville.....																																	0.00	
Squirrel Inn.....																																	T.	0.00
Stanwood.....																																	0.00	
Stirling City   .....																																	0.00	
Stockton (S. H.)   .....																																	0.00	
Storey.....																																	0.00	
Suisun.....																																	0.00	
Sulphur Banks.....																																	0.00	
Summit-1.....																																	0.00	
Summit-2.....																																	0.00	
Susanville.....																																	0.00	
Tahoe.....												T.																					T.	0.00
Tamarack.....																																	T.	0.00
Tehama   .....																																	T.	0.00
Tejon Rancho.....																																		0.00
Three Rivers.....				T.																													T.	0.00
Towle   .....																																	T.	0.00
Tracy.....																																		0.00
Truckee.....																																		0.05
Tustin (near).....												.05																					0.00	
Twin Valley.....																																		

Daily Temperature for June, 1915.

Table with columns for Stations, 1-31, and Mean. Rows list various California locations such as Alturas, Bakersfield, Barstow, etc., with their corresponding temperature data for each day of the month.





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.