

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

CALIFORNIA SECTION.

G. H. WILLSON, District Forecaster.

VOL. XX. SAN FRANCISCO, OCTOBER, 1916. No. 10.

GENERAL SUMMARY.

October, 1916, was abnormally cold in California. Taking the State as a whole, the mean temperature, 55.0°, was 6.1° below the normal. It was the coldest October in the period of 20 years during which state-wide records have been kept. The deficiency in temperature was particularly marked along the immediate coast. At Eureka it was the coldest October in a record covering 30 years; at San Francisco it was the coldest since 1881; while at San Diego it was the coldest since 1872. The average precipitation was 1.91 inches, or 0.46 inch more than the usual amount. As was the case during the preceding month, the south portion of the State and the mountains along the eastern border received moderately heavy precipitation, while the extreme north portion received little or none. Sunshine was deficient, and the wind movement was somewhat below normal. Though frosts were of frequent occurrence, they were not sufficiently severe to cause damage to vegetation except in the elevated portions of the State.

The first half of October was cold and cloudy throughout California. In the central and south portions of the State copious showers fell throughout this period, the rainfall being especially heavy on the 1st, 2d, 6th, and 7th. In the mountain regions moderately heavy snow fell during the first decade, but in most places it disappeared before the middle of the month. Largely on account of a lack of sunshine, the temperatures were well below normal throughout the State. The second half of the month was practically rainless. Cold, northerly winds kept the temperatures down, even though the amount of sunshine received greatly exceeded that of the first half of the month. Accelerated radiation on clear nights caused wide-spread early morning frosts, which, at many stations, were the earliest autumn frosts ever recorded.

From an agricultural point of view the reports were partly favorable and partly unfavorable. The overcast, showery weather which began near the close of September and persisted until the middle of October was injurious to the raisin and grape crops, the loss sustained having been the greatest from this source which has occurred since these crops have been grown on an extensive scale. Other crops which have suffered include beans, sugar beets, olives, and figs. The anomalous condition of deficient rainfall in the extreme north portion of the State has caused a drought which has been harmful to the large cattle and dairy industry along the coast. On the other hand, the unusually early rains were sufficiently heavy to put the soil in condition for plowing, a great deal of which was done during the cool, clear weather of the latter half of the month. Range pastures in the foothills have made a good start. The showery weather and subnormal temperatures have been beneficial to the rice crop, which gives every promise of being the greatest ever grown in this state. The apple and walnut crops, both larger and of better quality than those of last year, were harvested under favorable weather conditions. Citrus fruits have also benefitted. Unless severe frosts occur, the crop of oranges and lemons soon to be gathered will be the best in recent years. Moreover, the crop is well advanced and is not likely to be seriously injured by cold weather. These crops have progressed under favorable weather conditions recently, particularly in respect to rainfall, which is well above the normal for the season throughout the central and south portions of the State.

A. H. P.

PRESSURE.

The monthly mean atmospheric pressure for the State, reduced to sea level, was 30.02 inches.

The highest was 30.40 inches at Red Bluff on the 24th.

The lowest was 29.51 inches at Independence on the 2d.

The range for the State was 0.89 inch.

TEMPERATURE.

The monthly mean temperature for the State was 55.0 degrees, which is 6.1 degrees below the normal.

The highest monthly mean was 70.4 degrees, at Sterling; and the lowest was 35.9 degrees, at Fordyce Dam.

The highest temperature, 98 degrees, occurred at Greenland Ranch on the 1st, and at King City on the 2d and 7th; and the lowest, 10 degrees, occurred at Summit on the 5th.

The range for the State was 88 degrees.

PRECIPITATION.

The average precipitation for the State was 1.91 inches, or 0.46 inch above the normal.

The greatest monthly amount was 8.71 inches, at Yosemite. 12 stations reported no precipitation.

The greatest amount in 24 hours was 3.20 inches at Sierra Madre on the 2d.

RELATIVE HUMIDITY.—(Per Cent.)

Stations.	5 a. m.	5 p. m.	Mean.
Eureka.....	90	81	86
Fresno.....	87	47	67
Los Angeles.....	86	70	78
Mount Tamalpais.....	64	62	63
Red Bluff.....	75	39	57
Sacramento.....	90	47	68
San Diego.....	87	78	83
San Francisco.....	90	73	82
San Jose.....	93	68	80
San Luis Obispo.....	86	70	78

SUNSHINE AND CLOUDINESS.

Stations.	Actual hours of sunshine.	Per cent of the possible.
Eureka.....	133	39
Fresno.....	264	76
Los Angeles.....	201	57
Mount Tamalpais.....	269	78
Red Bluff.....	278	81
Sacramento.....	282	67
San Diego.....	243	69
San Francisco.....	148	43
San Jose.....	173	50
San Luis Obispo.....	197	56

WIND MOVEMENT.—(Miles.)

Stations.	Total movement for month.	Average hourly velocity.	Maximum velocity.	Direction.	Date.
Eureka.....	3,321	4.5	30	n.	5
Fresno.....	3,411	4.6	19	nw.	28
Independence.....	3,794	5.1	27	s.	2
Los Angeles.....	3,744	5.0	28	nw.	2
Mount Tamalpais.....	10,566	14.2	57	s.	2
Point Reyes.....	12,030	16.2	56	nw.	27
Red Bluff.....	2,859	3.8	18	s.	1
Sacramento.....	4,499	6.0	27	sw.	1
San Diego.....	4,386	5.9	26	s.	6
San Francisco.....	5,101	6.9	25	sw.	13
San Jose.....	3,271	4.4	24	nw.	29
San Luis Obispo.....	2,863	3.8	24	ne.	31

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

Climatological Data for October, 1916.

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.		
Alturas	Modoc	4,400	12	46.3		83	16	16	23	58	2.17	+1.38	1.17	3.5	7	20	7	4		Prof. C. B. Towle.
American Camp	Tuolumne	2,600	1	54.8		76	31	32	29	42	2.50		1.60	0	6	20	1	10	s.	U. S. Forest Service.
Angiola	Tulare	208	16	57.3	-5.4	82	18	34	28	40	1.43	+1.17	0.73	0	5	21	6	4	e.	Santa Fe Co.
Antioch	Contra Costa	46	37	63.5	+0.1	82	113	41	30	37	0.48	-0.22	0.12	0	5	21	6	4	e.	C. G. McDaniel.
Arrowhead Springs	San Bernardino	2,000	7	63.5		82	22	46	28	32	2.65		0.99	0	7	18	0	13		Arrowhead Springs Co.
Atascadero	San Luis Obispo	837	7	54.0		85	26	31	27	53	1.62		0.64	0	7	11	16	4		Colony Holding Corp.
Auberry	Fresno	2,050	7	54.7		78	17	35	30	33	3.13		1.62	0	6	17	9	5	nw.	S. I. & E. Ry. Co.
Anburn	Placer	1,360	45	58.6	-6.0	81	1	39	30	32	1.27	-0.67	0.77	0	7	19	7	5	nw.	Southern Pacific Co.
Avalon	Los Angeles	30	6	59.8		85	25	49	31	31	1.20		0.45	0	8	19	11	1	w.	T. S. Manning.
Azusa	do	540	14	58.8	-6.8	90	25	38	24	47	3.88	+2.87	1.11	0	8	15	4	12	sw.	C. O. Hillis.
Bagdad	San Bernardino	784	13	66.8	-6.3	89	18	40	28	43	0.00	-0.20	0.00	0	0	0	0	0		Santa Fe Co.
Bakersfield	Kern	404	27	61.1	-4.4	86	26	38	29	45	1.58	+1.22	0.55	0	7	19	0	12		do
Barstow	San Bernardino	2,105	13	57.4	-6.6	92	17	30	21	45	0.27	-0.24	0.17	0	2	22	4	5	w.	E. L. White.
Berkeley	Alameda	317	29	55.5	-3.8	78	25	42	4	32	0.86	-0.63	0.40	0	8	6	15	10	w.	State University.
Betteravia	Santa Barbara	155	3	56.7		82	25	38	15	42	1.78		0.70	0	6	15	4	12	w.	Union Sugar Co.
Biggs	Butte	98	17	68.6	+4.8	96	17	40	2	42	1.51	-0.01	1.24	0	3	2	2	5		Southern Pacific Co.
Bishop	Inyo	4,450	21	48.8	-7.1	76	18	23	21	49	0.78	+0.37	0.39	0	3	24	2	5		W. A. Chalfant.
Bishop Creek	do	8,390	6	38.7		59	31	16	4	28	4.22		1.40	42.5	9	17	6	8	s.	Floyd E. Van Cleave.
Blocksburg	Humboldt	1,700	10	54.0		80	16	27	4	41	0.17	-5.64	0.08	0	3	22	7	2	n.	Victor Hope.
Blue Canon	Placer	4,685	17	49.3	-3.7	72	18	30	42	38	1.91	-3.10	0.50	12.0	8	21	1	9		Southern Pacific Co.
Blythe	Riverside	268	7	64.4		95	17	34	25	53	0.00		0.00	0	0	29	1	1	n.	C. L. Suits.
Bonita	San Diego	110																		R. M. Allen.
Branscomb	Mendocino	2,000	16	54.0	-2.2	80	16	27	4	41	0.17	-5.64	0.08	0	3	22	7	2	n.	A. J. Haun.
Brawley	Imperial	-105	6	66.1		94	20	40	25	46	0.00		0.00	0	0	0	0	0		M. D. Witter.
Bridgeport	Mono	6,500	2	38.2		74	1	11	29	47	2.06		1.00	6.0	4	19	4	8	n.	Geo. Delury, Jr.
Burney	Shasta	3,300	6	47.0		78	16	18	23	54	1.34		0.75	1.0	3	20	5	6	sw.	Mrs. M. D. Chambers.
Cahuilla	Riverside	3,600	5	46.6		83	1	13	8	63	1.95		0.75	0	4	20	0	11	e.	Dr. W. L. Shawk.
Calaveras Ranger Sta.	Calaveras	3,400		48.3		70	17	28	30	35	4.91		2.18	0	8	20	0	11	w.	U. S. Forest Service.
Calaverico	Imperial	0	11	68.2	-4.1	95	18	43	29	47	0.00	-0.16	0.00	0	0	31	0	0		F. R. Spencer.
Campbell	Santa Clara	217	19	54.0	-4.9	76	25	33	24	41	0.59	-0.26	0.25	0	6	10	11	10	nw.	F. M. Righter.
Camptonville (near)	Yuba	3,500	9	52.9		76	21	32	4	34	4.19		1.36	0	9	21	1	9	s.	Pacific Gas & Electric Co.
Canon Dam	Plumas	4,570	2	48.8		81	16	26	24	45	2.05		0.98	0	8	20	6	5	n.	Great Western Power Co.
Cascada	Fresno	4,900		50.0		73	20	30	3	29	3.45		1.78	2.5	8	22	1	8		S. J. & E. Ry. Co.
Cedarville	Modoc	4,675	22	46.8	-3.2	74	15	20	23	45	1.18	-0.08	0.43	0	6	22	5	4		T. H. Johnstone.
Center Ranger Station	Tuolumne	3,850		48.2		65	15	33	13	23	3.45		1.90	0	8	16	8	7	w.	U. S. Forest Service.
Centerville	Butte	490	2	55.6		79	13	34	23	40	2.61		1.17	0	7	20	1	10	s.	Pacific Gas & Electric Co.
Chico	do	189	46	59.0	-5.4	82	13	35	15	41	2.10	+0.79	1.04	0	5	22	3	6	se.	U. S. Bureau Plant Ind.
China Flat	Humboldt	600	7	52.4		75	7	30	15	37	0.12		0.08	0	2	20	7	4	w.	O. I. Westerburg.
Claremont	Los Angeles	1,200	24	58.2	-6.2	90	26	39	7	45	2.85	+1.83	0.80	0	10	15	7	9	s.	Prof. F. P. Bruckett.
Cloverdale	Sonoma	340	14	56.4	-6.0	83	25	31	24	48	0.26	-1.60	0.20	0	4	23	1	7	s.	John O. Ogil.
Coalinga	Fresno	663	4	42.9		58	16	30	21	24	1.01		0.40	0	7	22	2	7	se.	Producers Trans. Co.
Colfax	Placer	2,421	45	55.8	-3.7	85	21	30	4	46	2.56	+0.12	0.96	0	6	23	1	8	sw.	Southern Pacific Co.
Colusa	Colusa	10	13	56.2	-5.4	70	15	38	7	37	0.94	+0.31	0.56	0	6	24	1	8	sw.	Co.usa Sun.
Converse Nursery	San Bernardino	6,000	2	47.4		75	16	25	30	37	2.01		0.59	1.0	5	20	9	2	w.	Edw. N. Munns.
Corona	Riverside	1,215	2	58.4		87	26	35	30	43	1.11		0.59	0	4	18	8	9	nw.	J. W. Garthwaite.
Crescent City	Del Norte	625	2	51.3	-1.1	77	5	34	23	40	1.49	-3.70	0.57	0	4	25	0	6	nw.	Thos. F. Peacock.
Cuyamaca	San Diego	4,677	17	48.2	-3.0	73	31	23	25	37	5.13	+3.37	2.91	0	6	20	1	10	w.	Cuyamaca Water Co.
Davis	Yolo	51	44	57.6	-7.3	83	20	30	24	46	0.46	-0.37	0.36	0	2	17	12	2	sw.	S. H. Beckett.
Deer Creek	Nevada	3,700	9	47.3		73	21	26	24	42	3.63		1.49	0	8	18	4	9	sw.	Pacific Gas & Electric Co.
Del Monte	Monterey	25	5	56.8		78	25	42	24	36	0.73		0.30	0	5	9	6	16	nw.	Hotel Del Monte.
Delta	Shasta	1,138	31											0	0	21	0	10		Southern Pacific Co.
Denair	Stanislaus	126	16	57.6	-5.2	80	16	34	30	38	0.00	-0.52	0.00	0	0	21	0	10		Santa Fe Co.
De Sable	Butte	2,700	12	52.8		80	26	30	29	44	4.36	+2.64	1.83	T.	6	22	4	5	sw.	Pacific Gas & Electric Co.
Dobbins (near)	Yuba	1,650	12	59.4	-5.6	82	21	38	29	38	2.10	+0.58	1.10	0	8	20	2	9	n.	do
Downville	Sierra	3,150	5	50.0		81	23	24	29	50	3.44		1.13	T.	9	22	2	7	s.	J. T. Mason.
Dudley	Kings	595	4	58.8		85	15	24	29	40	1.47		0.47	0	6	21	2	8	ne.	Producers Trans. Co.
Dudleys	Mariposa	3,000	7	49.4		76	21	27	29	42	2.99		1.25	T.	6	19	9	3	nw.	W. H. Dudley.
Dunsmuir	Siskiyou	2,285	27											0	3	22	1	8	n.	Southern Pacific Co.
Durham	Butte	160	21	59.8	-2.5	82	113	36	31	40	2.04	+0.50	0.99	0	5	22	3	6	s.	R. W. Durham.
East Park	Colusa		2	56.5		82	14	31	24	45	1.15		0.35	0	6	21	3	7		F. J. Lea.
Edison	Kern	2,500	2	60.4		81	27	46	29	26	1.97	+1.56	1.21	0	6	16	6	9	n.	So. Cal. Edison Co.
El Cajon	San Diego	482	17	60.4	-5.1	95	26	34	31	54	1.57	+1.07	0.89	0	4	20	6	5	sw.	H. H. Kessler.
Electra	Amador	725	12	58.4	-5.2	85	8	36	29	39	3.02	+2.93	1.90	0	7	21	3	7	sw.	Pacific Gas & Electric Co.
Elsinore	Riverside	1,800		60.6		90	23	38	7	43	0.95		0.44	0	5	20	11	0	sw.	U. S. Forest Service.
Emigrant Gap	Placer	5,230	42											10.0	2	21	0	19		Southern Pacific Co.
Escondido	San Diego	657	22	58.0	-4.1	86	25	32	36	48	1.00	-1.70	0.68	0	4	9	20	2	w.	A. R. Moon.
EUREKA	Humboldt	484	30	50.2	-2.9	65	5	35	5	27	1.51	+0.98	0.60	0	4	9	20	2	w.	U. S. Weather Bureau.
Folsom	Sacramento	254	44	60.0	-3.6	80	18													

Climatological Data for October, 1916.—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 on inch or more, Clear, Partly cloudy, Cloudy), Number of days, Prevailing direction of wind, Observers.

Climatological Data for October, 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 (unmelted).	Precipitation 61/1 inch or more.	Clear.	Partly cloudy.		Cloudy.	Prevailing direction of wind.
Ukiah	Mendocino	620	23	54.8	-5.2	82	†14	26	†5	49	0.12	-1.66	0.07	0	2	20	0	11	nw.	Dr. George McCowen.
Vacaville	Solano	175	28	57.8	-7.5	85	16	33	24	44	0.00	-1.35	0.00	0	0	27	2	2	w.	J. E. Bassford.
Valerme	Los Angeles	3,750	...	53.4	...	83	15	27	7	41	0.00	...	...	0	0	25	0	6	...	U. S. Forest Service.
Visalia	Tulare	354	28	64.4	+1.3	80	15	42	30	25	1.28	+0.74	0.61	0	4	25	1	5	nw.	Santa Fe Co.
Walnut Creek	Contra Costa	149	2	62.8	+0.8	85	†13	40	†25	36	0.00	-0.92	0.00	0	0	...	...	...	...	R. L. Nougaret.
Warner Springs	San Diego	3,169	8	56.5	...	89	31	31	†8	53	1.06	...	...	0	6	21	4	6	...	J. A. Ream.
Wasco	Kern	336	16	58.0	-5.2	91	28	36	30	39	1.52	+1.29	0.92	0	5	24	0	7	nw.	Santa Fe Co.
Watsonville	Santa Cruz	23	20	56.4	-2.1	84	25	34	†24	48	1.04	-0.12	0.52	0	6	7	9	15	sw.	Speckels Sugar Co.
Weaverville	Trinity	2,162	4	53.2	...	89	15	21	23	57	T.	-2.29	T.	0	0	22	1	8	...	U. S. Forest Service.
Weitchpec	Humboldt	1,700	6	55.0	...	82	15	32	4	38	1.25	...	0.53	0	5	23	3	5	nw.	G. S. Garnett.
West Branch	Butte	3,216	2	50.4	...	79	25	28	23	44	4.63	...	1.71	3.0	7	21	1	9	s.	Pacific Gas & Electric Co.
Wheatland	Yuba	84	29	57.8	-4.6	76	21	36	29	34	1.46	+0.05	0.91	0	7	22	3	6	n.	Wm. Lumbard.
Willows	Glenn	136	37	59.8	-5.4	85	21	38	†29	41	1.33	+0.40	0.68	0	6	24	0	7	n.	F. E. Barnhouse.
Yorba Linda	Orange	405	2	58.8	...	90	26	39	31	38	1.77	...	0.70	0	5	7	17	7	w.	S. J. Walker.
Yosemite	Mariposa	3,960	12	49.0	...	76	†16	23	31	47	8.71	+7.14	2.40	2.0	11	16	0	15	s.	Supt. National Park.
Yreka	Siskiyou	2,625	27	50.2	...	83	†16	22	†24	60	0.00	...	0.00	0	0	15	6	10	sw.	U. S. Forest Service.
Means and Extremes				55.0	-6.1	98	†1	10	5	63	1.91	+0.46	3.20	...	5	14	10	7	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 OCTOBER.

MEAN MONTHLY TEMPERATURE FOR THE STATE.

1897	58.5	1907	62.0
1898	61.0	1908	58.3
1899	58.1	1909	60.2
1900	58.8	1910	61.9
1901	63.2	1911	59.1
1902	60.7	1912	57.1
1903	64.0	1913	61.9
1904	61.6	1914	60.2
1905	60.7	1915	62.3
1906	63.4	1916	55.0

AVERAGE PRECIPITATION FOR THE STATE.

1897	1.79	1907	1.56
1898	0.59	1908	1.37
1899	3.50	1909	1.66
1900	2.34	1910	0.83
1901	1.50	1911	0.58
1902	1.78	1912	0.36
1903	0.49	1913	0.08
1904	2.74	1914	1.60
1905	0.12	1915	0.14
1906	0.09	1916	1.91

DELAYED REPORTS.

Stations.	Month.	Temperature.					Total precipitation.
		Mean.	Max.	Date.	Min.	Date.	
Fort Ross	July.						1.25
Fort Ross	August.						0.31
Bishop	September.	61.9	92	13	33	12	0.54
Boulder Creek	"						0.55
Goffs	"	75.4	101	1	39	23	0.27
Littlelands	"						0.64
Santa Anita Forest Station	"						0.60
Tejon Rancho	"	72.7	83	14	55	28	1.25
Truckee	"	50.6	81	20	22	11	0.75

DATES OF MISCELLANEOUS PHENOMENA.

Thunderstorms.—Azusa, 6; Cahuilla, 13; Camptonville (near), 1, 2, 10, 11; Center Ranger Station, 1, 3, 4, 6, 7; Centerville, 6; Chester, 10; Claremont, 13; Converse Nursery, 12, 13; Deer Creek, 2, 4, 9, 10; Devil Canon, 13; Dudleys, 1; Independence, 12; Kennett, 2; La Jolla, 13; La Porte, 1, 7; Madeline, 10; Mill Creek (No. 1), 1; Nellie, 12, 13; Nevada City, 2; North Bloomfield, 9; Oak Grove, 12, 13; Red Bluff, Redding, 2; Rialto (near), Riverside, 13; San Luis Obispo, 10; Santa Barbara, Sierra Madre, 12; Stockton, 9; Three Rivers, 6, 12, 13; Tuolumne Ranger Station, 1; West Branch, 10.

Earthquakes.—Round Valley, 8; Cahuilla, 19; Avalon, Bakersfield, Beaumont, Brawley, Claremont, Edison, Fairmont, Fresno, Gray Mountain, Los Angeles, Maricopa, Mount Wilson, Newhall, Nordhoff, Ozena, Pasadena, Redlands, Riverside, Santa Barbara, Santa Monica, Surrey, Taft, Tejon Rancho, Venice, West Saticoy, 22; Jolon, Lonoak, 24.

ERRATA. SEPTEMBER, 1916.

East Park, page 106, mean temperature, 70.0°, should be 69.8°.
Lick Observatory, page 107, mean temperature, 60.4°, should be 62.6°.
Santa Rosa, page 107, mean temperature, 64.4°, should be 64.2°.

Daily Temperature for October, 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	56	45	46	48	59	63	48	54	64	67	69	70	75	76	78	83	75	60	74	79	77	66	63	73	75	81	66	62	59	64	64	65.8
	Minimum	38	32	28	23	29	35	31	30	29	38	29	25	30	25	26	30	34	30	20	25	24	32	16	17	20	23	22	20	18	23	29	26.8
Bakersfield.....	Maximum	75	65	64	71	68	71	72	77	74	70	71	73	77	81	82	83	84	82	80	83	75	73	78	80	86	85	76	74	75	74	76.1	
	Minimum	53	49	47	47	45	49	43	43	49	52	51	46	46	48	50	47	49	49	48	48	48	48	49	43	41	41	41	38	40	39	46.1	
Barstow.....	Maximum	70	64	58	60	64	54	60	62	80	71	74	65	70	74	80	84	92	84	82	86	84	80	76	70	71	80	78	81	76	71	78	82.5
	Minimum	50	55	42	41	40	42	40	36	40	42	40	41	42	42	45	45	48	44	42	44	42	44	40	30	34	35	38	42	41	40	36	41.4
Blocksburg.....	Maximum	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Minimum	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Calexico.....	Maximum	82	81	77	77	80	76	80	84	86	81	79	83	84	85	87	92	94	95	90	90	91	88	80	78	85	89	93	87	87	87	89	85.1
	Minimum	64	61	60	54	47	50	46	48	50	52	52	51	55	51	53	54	55	54	50	50	47	52	58	48	49	52	46	46	43	47	45	51.3
Chico.....	Maximum	70	69	60	68	76	65	59	68	72	70	69	78	82	80	79	80	80	79	80	81	78	76	75	79	77	74	64	69	67	75	73.5	
	Minimum	47	46	47	44	35	42	50	52	50	55	52	48	47	50	48	44	52	46	47	43	42	40	35	42	40	40	41	38	37	37	44	44
Colfax.....	Maximum	58	51	48	57	71	53	50	61	64	66	60	74	81	79	78	84	82	80	78	84	85	78	80	78	82	84	78	70	72	74	78	70.2
	Minimum	46	46	33	30	36	43	36	37	40	42	41	35	40	42	39	48	44	44	44	47	48	46	40	45	38	36	32	34	35	35	40	41.2
Colusa.....	Maximum	62	57	56	60	70	68	56	60	61	65	67	68	69	70	70	69	59	70	69	69	68	69	70	62	63	66	63	55	57	60	63	61.6
	Minimum	56	49	45	57	49	56	51	50	51	54	53	48	50	48	48	52	49	46	48	45	50	47	40	41	41	41	44	44	38	40	41	47.7
Escondido.....	Maximum	66	65	63	65	71	61	65	67	67	65	67	67	67	65	71	70	75	68	70	71	69	63	67	77	86	85	71	67	68	73	78	69.4
	Minimum	58	60	47	43	41	52	40	39	47	47	43	45	55	55	57	51	51	54	52	49	43	52	49	38	42	37	49	46	42	32	36	46.6
Eureka.....	Maximum	56	54	53	56	65	62	63	60	63	60	63	60	51	52	51	51	51	54	51	49	48	53	56	58	59	54	57	54	56	64	58	55.6
	Minimum	45	44	41	38	44	47	48	45	45	45	45	45	49	47	47	45	46	47	46	42	46	44	48	42	41	43	44	48	42	39	48	44.8
Fresno.....	Maximum	73	58	62	64	64	68	67	68	63	68	68	70	75	77	77	79	80	76	78	80	80	65	69	73	76	79	79	64	66	70	71	71.2
	Minimum	54	49	45	48	47	50	48	45	48	53	54	48	52	54	47	53	52	49	49	47	51	50	46	50	45	48	49	44	39	41	42	48.3
Hanford.....	Maximum	54	55	60	60	54	55	56	60	56	58	60	62	60	68	70	72	74	68	66	72	58	72	70	80	79	72	66	63	70	64	62	64.3
	Minimum	42	45	48	46	48	46	44	48	42	48	49	50	48	46	40	46	42	40	42	40	46	40	46	40	38	34	32	36	38	34	40	42.9
Hollister.....	Maximum	64	60	60	59	67	58	65	65	60	62	64	64	73	57	69	69	62	56	58	56	55	64	69	73	80	81	66	59	62	72	73	64.7
	Minimum	52	49	40	47	41	49	46	46	50	47	50	52	48	40	50	46	50	48	49	47	45	43	37	38	39	42	42	33	30	41	45.2	
Independence.....	Maximum	70	56	57	54	52	52	56	62	62	62	63	64	72	76	78	78	76	79	74	74	74	68	61	69	72	72	72	68	69	69	66.3	
	Minimum	44	38	26	32	35	32	26	32	36	36	32	40	41	40	44	47	39	35	36	34	36	28	38	36	32	32	32	32	32	32	35.5	
Indio.....	Maximum	86	80	77	76	79	77	80	81	85	86	82	85	86	82	85	93	97	93	95	92	94	92	86	82	84	89	89	83	87	88	86.0	
	Minimum	64	59	53	55	51	51	51	54	51	55	56	55	60	62	55	61	56	54	60	52	50	49	59	43	52	51	48	45	43	46	48	53.2
La Porte.....	Maximum	51	42	32	36	49	45	54	43	36	46	61	61	65	70	71	64	64	66	68	67	63	55	65	69	62	61	70	52	48	59	50.1	
	Minimum	41	31	29	22	39	34	40	35	32	32	38	34	38	42	41	46	38	35	38	37	33	37	33	36	38	42	31	28	30	29	35.4	
Lemon Cove.....	Maximum	76	74	58	62	64	67	64	64	69	66	60	69	69	71	74	75	74	77	74	75	75	76	76	61	69	71	71	74	72	70	64	70
	Minimum	59	52	44	49	47	47	50	50	52	52	51	52	56	53	54	52	52	52	53	50	47	52	49	45	43	47	43	48	44	45	49	49.2
Los Angeles.....	Maximum	66	63	64	64	68	62	64	68	67	65	66	68	64	65	65	64	64	62	58	67	66	60	65	67	73	90	88	68	65	64	68	72.2
	Minimum	58	54	50	51	49	52	48	51	54	53	52	52	56	56	53	50	51	53	54	49	50	55	53	49	58	59	51	53	49	48	44	52.1
Merced.....	Maximum	72	61	64	60	64	65	69	66	65	68	69	75	72	77	75	79	78	72	78	78	79	63	71	73	77	79	78	65	67	72	70	71.1
	Minimum	58	52	38	44	42	48	50	43	45	50	47	46	47	46	45	45	47	47	42	42	42	42	44	38	37	42	40	42	36	35	40	44.1
Mokelumne Hill.....	Maximum	64	60	55	56	66	65	63	66	60	63	70	73	74	79	77	75	80	78	79	74	66	74	80	80	80	78	75	68	67	65	60	68.5
	Minimum	47	47	40	39	45	45	44	49	49	48	43	46	50	48	52	54	51	52	50	54	44	50	44	47	50	50	44	37	40	42	46.5	
Needles.....	Maximum	78	75	68	68	74	75	76	76	78	73	71	70	74	78	78	80	84	85	85	83	89	88	86	87	87	88	84	78	76	72	63	78.3
	Minimum	62	62	58	51	45	44	45	45	51	50	48	48	50	50	51	50	54	54	54	53	52	51	53	52	50	48	47	48	48	47	50.4	
North Fork.....	Maximum	68	61	48	50	54	58	50	58	60	56	65	65	68	72	74	75	74	76	77	76	75	78	62	66	73	74	74	74	76	75	76	66.8
	Minimum	42	41	32	36	36	42	38	40	37	42	4																					