CLIMATE OF

SACRAMENTO, CALIFORNIA

George Cline
Alexander Neigher
Annemarie Bellinder
National Weather Service Office
Sacramento, California

Revised August 2010

TABLE OF CONTENTS

I. NARRATIVE CLIMATOLOGICAL SUMMARY 1-5

II. NORMALS 6-19

III. DAILY RECORDS 20-32

IV TEMPERATURES 33-47

High & Low Avg Max/Min **34**

Extreme Averages
1. Monthly **35-36**
2. Seasonal **37-38**
3. Annual **39**

Number of Days
4. 90 Degrees or Higher **40**
5. 100 Degrees or Higher **41**
6. 105 Degrees or Higher **42**
7. 90, 100 & 105 Degrees or Higher **43-43**

Freeze Data
8. 32 Degrees or Lower **45-46**
9. Freeze-Free Periods **47**

V PRECIPITATION 48-71

Tables
10. Monthly Extremes **49-50**
11. Season Totals **51-56**
12. Measurable by Month **57-61**
13. Excessive Storm Totals **62-63**

Number of Days
14. Averages by Month **64**
15. 0.25 & 0.50 Inch or More **65**
16. 0.50 & 1.00 Inch or More **66**
17. (Non) / Measurable Months **67-68**

Other Records
18. Wettest/Driest Years **69**

Snowfall Data
19. Occurrences and Accumulation **70**
20. Greatest in 24 Hour Period **71**

VI. MISCELLANEOUS WEATHER RECORDS 72-83

21. Thunderstorm Days **73**
22. Relative Humidity **73**
23. Sea Level Pressure **74**
24. Sunshine, Cloudiness, & Fog **75**
25. Dense Fog **76**
26. Wind Speed **77**
27. Heating Degree Days **78**
28. Cooling Degree Days **79**
29. Comparative Extremes **80-83**

I. CLIMATE OF SACRAMENTO

CLIMATOLOGICAL SUMMARY

The Southern Sacramento Valley, including the City of Sacramento, is blessed with a mild climate and an abundance of sunshine the year-round. The summers are virtually cloudless with warm, dry days and mild, pleasant nights. During the winter "rainy season" (November through February), over half the total annual precipitation falls, yet rain in measurable amounts occurs only about ten days monthly during the winter. Mountains surround the Sacramento Valley to the west, north and east. The Sierra Nevada snowfields are only 70 miles east of Sacramento and usually provide a plentiful supply of water to the valley streams during the dry season. Because of the shielding influence of the high mountains, winter storms reach the valley in a modified form. However, torrential rain and heavy snow frequently fall on the Western Sierra Slopes, the Southern Cascades, and to a lesser extent, the Coastal Range. As a result, flood conditions occasionally occur along the Sacramento River and its tributaries. Excessive rainfall and damaging wind storms occur infrequently.

The prevailing wind in Sacramento is southerly all year. This is due to the north-south orientation of the valley and the deflecting effects of the towering Sierra Nevada on the prevailing oceanic wind that moves through the Carquinez Strait near the Delta, at the junction of the Sacramento and San Joaquin Rivers. No other break exists in the Coastal Mountains to admit significant marine air into the Sacramento or the San Joaquin Valleys. Occasionally, a strong north or northeasterly pressure gradient develops, forcing air south and west from the high plateau of the Great Basin, over the Sierra Nevada and the Siskiyou Mountains, and down into the Sacramento Valley below, creating what is essentially a Foehn wind. This air is warmed by compression as it descends, reaching the valley floor as a hot and dry north wind. Heat waves in the summer can be produced by these winds and fortunately, are usually followed within two or three days by the normally cool southwest delta breezes, especially at night. The extremely low relative humidity that accompanies high temperatures in the valley during the summer should be considered when comparing temperatures with those of cities in more humid regions.

Summer nights in the Southern Sacramento Valley are usually pleasant. This is primarily the result of the refreshing breezes blowing up from the San Francisco Bay through the Delta. The exception is when the north or northeasterly wind develops during heat waves.

Thunderstorms in Sacramento are few in number and usually occur in the late fall or in the spring. Snow is so rare and falls in such small amounts that its occurrence may be disregarded as a climatic feature. Dense fog occurs mostly in mid-winter, seldom in the spring or autumn, and never in the summer. Light and moderate fog is more frequent and may happen anytime during the wet, cold season. Fog is usually of the radiational cooling type and is confined to the early morning hours. Under stagnant atmospheric conditions, winter fog can become very persistent and may continue for several days.

Sacramento is the geographical hub of the great Central Valley of California, which is the most productive agricultural region in the United States. This region produces cotton, poultry, livestock and dairy products, plus a wide variety of fruits, cereals, vegetables and nuts, ranging from the semi-tropical to the hardier varieties.

A HISTORY OF WEATHER OBSERVATIONS AT SACRAMENTO

The first organized weather observations for Sacramento were started by the Smithsonian Institution in 1849. The first government weather service for Sacramento, under the U.S. Army Signal Service, got off to an auspicious start when the briefest of telegrams was sent back to Washington, D.C. The telegram, dated June 23, 1877, stated simply, "ARRIVED." This announced the arrival in Sacramento of Sgt. R.B. Watkins. Records indicate that Sgt. Watkins took the first official weather observation at 4:37 AM, July 1, 1877.

The first weather office was located on the fourth floor of the St. George Building, on 4th and J Streets. It consisted of two rooms--one for the weather office and the other for the living quarters. The meteorological variables observed by Sgt. Watkins would do justice to many of the electronic, computer assisted observational programs of present day.

Through the years, the Sacramento Weather Office has changed locations several times. In succession, the office has been located at the following addresses:

1. **4th and J Streets (St. George Building), July 1, 1877 to November 27, 1879.**

2. **2nd and K Streets (Fratts Building), November 28, 1879 to May 31, 1882.**

3. **1006 2nd Street (Arcade Building), June 1, 1882 to January 31, 1884.**

4. **117 J Street (Lyon and Curtis Building), February 1, 1884 to April 30, 1894**

5. **7th and K Streets (Old Post Office Building), May 1, 1894 to October 31, 1933.**

6. **9th and I Streets (New Post Office and Courthouse Building), November 1, 1933 to November 19, 1958.**

7. **1725 23rd Street (State of California Building), November 20, 1958 to September 28, 1964.***

8. **1416 9th Street (Resources Building), September 29, 1964 to August 14, 1995.**

9. **3310 El Camino Avenue, August 15, 1995 to present.**

On September 28, 1964, the observation site was returned to the post office building at 9th and I streets. On April 1, 1999, the sensors were moved to the Sacramento Water Treatment Plant, east of California State University-Sacramento. Temperature and precipitation data has been transmitted from these locations to the National Weather Service Office since September 28, 1964.

SOME HIGHLIGHTS OF THE WEATHER RECORDS IN SACRAMENTO

Many unusual weather events have taken place in Sacramento since official weather observations began July 1, 1877. The following is a brief description of some of the more extreme conditions recorded since then.

The all-time high temperature in Downtown Sacramento of 114 degrees occurred on July 17, 1925. Wind conditions on that date were light and mostly from a southeasterly direction. The early morning low temperature was a very warm 74 degrees. A strong delta breeze (up to 28 mph) developed the following afternoon, dropping the maximum temperature to a relatively mild 97 degrees.

The longest consecutive stretch of days with maximum temperatures 105 degrees or higher in Sacramento was seven days. This occurred August 5-11, 1990.

The greatest number of consecutive days with maximum temperatures 100 degrees or higher is eleven, which occurred in July of 2006. Before that, the record was nine days, which had occurred four times since temperature records began in July 1877: August 1-9, 1966; June 19-27, 1981; July 10-18; 1984, and August 8-16, 1996.

Heat waves having one or two day breaks between consecutive 100 degree-plus days have taken place quite frequently in the past. Two periods stand out significantly, however, and occurred during the summers of 1929, 1980. In 1929, days with maximum temperatures 100 degrees or higher were recorded from June 20 through June 26, and again from June 29 through July 5. The two day break on the 27th and 28th had maximum temperatures of 99 degrees, and 91 degrees, respectively. In all, the period had 14 out of 16 days with maximum temperatures 100 degrees or higher.

In 1980, days with maximum temperatures of 100 degrees or higher occurred from July 21 through July 27, and again from July 29 through August 1. The one day break on the 28th had clouds and scattered light showers that held the maximum temperature to only 95 degrees. All in all, there were 11 of 12 days with maximum temperatures 100 degrees or higher. In July of 2003, 17 non-consecutive days reached 100 degrees or hotter.

The coldest temperature ever recorded in the downtown area was 17 degrees on December 11, 1932. This record low temperature was part of a cold snap that lasted from December 9 through December 15. Minimum temperatures during this period dropped to the teens and low 20s every night. Crop damage, as one might expect, was quite extensive, especially in the citrus orchards of Fair Oaks and Orangevale, where temperatures dipped to as low as 11 degrees above zero. The celery and lettuce crops in the delta were also hard hit. Ice thick enough for skating formed on the small lakes and ponds at Southside and McKinley Parks, with a layer of ice one-sixteenth of an inch thick reported on the Sacramento River. The cold snap broke on December 16 when a warm and moist storm from the mid-Pacific moved into Northern California. A cold snap during the winter of 1990 was equally as devastating. It was during this period that Downtown Sacramento had a record number of days (11) with minimum temperatures of 32 degrees or lower from December 20, 1990 through January 1, 1991.

Snow in Sacramento is extremely rare. Most of the snow that has been observed in Sacramento occurs in January. The most snowfall measured in the downtown area in any 24-hour period was 3.5 inches, January 4-5, 1888. The heaviest snowfall in recent years took place February 5, 1976, when 2 inches was reported at Sacramento's Executive Airport. Ironically, this happened during one of the drought years.

The all-time record for rainfall during any 24-hour period in Sacramento is 7.24 inches on April 19-20, 1880. Streets were described as "...having the appearance of miniature rivers". The rainstorm was also reported (colorfully) in such terms as "...steady and business-like", "...a perfect torrent", and "...more like a cataract than an April shower".

The record maximum one-hour rainfall is 1.65 inches, which fell during the evening of April 7, 1935. Thunderstorms in the area were responsible for the downpour with considerable street flooding reported. (Note: Hourly rainfall records are only available after 1903).

January 1862, with 15.04 inches, is the wettest month on record. This took place before official government observations began. Precipitation records at that time were kept by two physicians, Dr. F.M. Hatch, a retired Army Surgeon, and his associate, Dr. T.M. Logan. Their records are believed to be reliable.

The most rainfall ever recorded in one season in Sacramento is 37.49 inches, set during the 1982-83 rainy season, under the influence of a strong El Niño. This followed the wet season of 1981-82 (32.65 inches), making it the wettest two-year period on record in Sacramento. The most recent El Niño outbreak to saturate the Sacramento area was the 1997-98 water year, which received a whopping 32.25 inches of precipitation. Since rainfall records began in 1849-50, only eight other water years have received more.

Sacramento's maximum wind speed of 70 mph occurred on two separate occasions: December 7, 1952, and November 13, 1953. Both wind storms occurred during the passages of Pacific weather fronts and were accompanied by rain. (Both wind speed records are the recorded "fastest mile", or a one-minute observed wind speed taken from a multiple register with a time-record of the passing of each mile of wind. Further explanations of wind velocities are found later in this publication).

The most persistent case of dense fog at the Sacramento Executive Airport was 17 consecutive days, occurring December 12 through December 28, 1985. This long and gloomy period of dense fog broke the record of 13 consecutive days, set in January 1975. (Fog is considered dense when it restricts visibility to a quarter-mile or less during any part of the day.)

II. NORMALS

NORMALS - SACRAMENTO (City)
1971 to 2000

Latitude: 38 degrees 33' 20" N
Longitude: 121 degrees 25' 01" W
Elevation: 38 ft (11.6 m) above msl

The daily values presented in these tables are not simple means of observed daily values. They are interpolated from much less variable monthly normals by use of the natural spline function.

In leap years, use the February 28th values for the 29th and adjust the degree day monthly totals.

Daily precipitation normals were also computed using the natural spline function and do not exhibit the typical daily random patterns. However, they may be used to compute normal precipitation over time intervals.

Seasonal values are calculated from the daily values for each month in the season. For example, the winter maximum temperature is an average of the December, January, and February daily maximum temperatures, spring is March through May, summer June through August, and fall September through November.

A heating (or cooling) degree day is the difference between the average daily temperature and 65 degrees F. Daily Degree Day values are derived by interpolating monthly normal values by use of the natural spline function. (In some cases, the daily normal value less than one degree day, those values are denoted by **). The normal values of heating and cooling are derived from observed degree day readings, and may not necessarily compare with the normal daily temperature. This is especially true in the transitional months of spring and fall, when it is possible to have a normal value for cooling ***and*** heating degree days, on the same date!

Temperature values are in degrees Fahrenheit. Precipitation values are given in hundredths of an inch.

DATA PAGE

January 7
February 8
March 9
April 10
May 11
June 12
July 13
August 14
September 15
October 16
November 17
December 18

NORMALS - SACRAMENTO
1971 to 2000

Latitude: 38 degrees 33' 20" N
Longitude: 121 degrees 25' 01" W
Elevation: 38 ft (11.6 m) above msl

JANUARY

	TEMPERATURE			DEGREE DAYS		PRECIPITATION	
Date	Max	Min	Avg	HDD	CDD	Daily	Season
1	53	40	47	18	0	0.11	6.93
2	53	40	47	18	0	0.11	7.04
3	53	40	47	18	0	0.12	7.16
4	53	40	47	18	0	0.12	7.28
5	54	40	47	18	0	0.12	7.40
6	54	40	47	18	0	0.12	7.52
7	54	40	47	18	0	0.13	7.65
8	54	40	47	18	0	0.13	7.78
9	54	41	47	18	0	0.13	7.91
10	54	41	47	18	0	0.13	8.04
11	54	41	47	18	0	0.13	8.17
12	54	41	47	18	0	0.13	8.30
13	54	41	48	17	0	0.14	8.44
14	54	41	48	17	0	0.14	8.58
15	55	41	48	17	0	0.14	8.72
16	55	41	48	17	0	0.14	8.86
17	55	41	48	17	0	0.14	9.00
18	55	41	48	17	0	0.14	9.14
19	55	42	48	17	0	0.14	9.28
20	55	42	48	17	0	0.14	9.42
21	56	42	49	16	0	0.14	9.56
22	56	42	49	16	0	0.14	9.70
23	56	42	49	16	0	0.14	9.84
24	56	42	49	16	0	0.14	9.98
25	57	42	49	16	0	0.15	10.13
26	57	42	50	15	0	0.15	10.28
27	57	42	50	15	0	0.15	10.43
28	57	43	50	15	0	0.15	10.58
29	58	43	50	15	0	0.14	10.72
30	58	43	50	15	0	0.14	10.86
31	58	43	51	14	0	0.14	11.00
Month	55.1	41.3	48.2	521	0	4.18	
Winter	57.4	42.1	49.8	1381	0	10.71	
Annual	75.2	51.3	63.3	2226	1597	19.87	

NORMALS - SACRAMENTO
1971 to 2000

Latitude: 38 degrees 33' 20" N
Longitude: 121 degrees 25' 01" W
Elevation: 38 ft (11.6 m) above msl

FEBRUARY

	TEMPERATURE			DEGREE DAYS		PRECIPITATION	
Date	Max	Min	Avg	HDD	CDD	Daily	Season
1	59	43	51	14	0	0.14	11.14
2	59	43	51	14	0	0.14	11.28
3	59	43	51	14	0	0.14	11.42
4	60	44	52	13	0	0.14	11.56
5	60	44	52	13	0	0.14	11.70
6	60	44	52	13	0	0.14	11.84
7	61	44	52	13	0	0.14	11.98
8	61	44	53	13	0	0.14	12.12
9	61	44	53	12	0	0.14	12.26
10	61	44	53	12	0	0.14	12.40
11	62	44	53	12	0	0.14	12.54
12	62	44	53	12	0	0.14	12.68
13	62	45	53	12	0	0.14	12.82
14	62	45	54	11	0	0.14	12.96
15	63	45	54	11	0	0.13	13.09
16	63	45	54	11	0	0.13	13.22
17	63	45	54	11	0	0.13	13.35
18	63	45	54	11	0	0.13	13.48
19	63	45	54	11	0	0.13	13.61
20	64	45	55	11	0	0.13	13.74
21	64	46	55	10	0	0.13	13.87
22	64	46	55	10	0	0.13	14.00
23	64	46	55	10	0	0.13	14.13
24	64	46	55	10	0	0.13	14.26
25	64	46	55	10	0	0.13	14.39
26	64	46	55	10	0	0.13	14.52
27	65	46	55	10	0	0.13	14.65
28	65	46	55	10	0	0.12	14.77
Month	62.2	44.7	53.5	324	0	3.77	

In leap years use the February 28 values for February 29.

NORMALS - SACRAMENTO
1971 to 2000

Latitude: 38 degrees 33' 20" N
Longitude: 121 degrees 25' 01" W
Elevation: 38 ft (11.6 m) above msl

MARCH

	TEMPERATURE			DEGREE DAYS		PRECIPITATION	
Date	Max	Min	Avg	HDD	CDD	Daily	Season
1	65	46	55	10	0	0.12	14.89
2	65	46	56	10	0	0.12	15.01
3	65	46	56	10	0	0.12	15.13
4	65	46	56	10	0	0.12	15.25
5	65	46	56	9	0	0.12	15.37
6	65	46	56	9	0	0.12	15.49
7	65	47	56	9	0	0.12	15.61
8	66	47	56	9	0	0.12	15.73
9	66	47	56	9	0	0.12	15.85
10	66	47	56	9	0	0.11	15.96
11	66	47	56	9	0	0.11	16.07
12	66	47	57	9	0	0.11	16.18
13	66	47	57	9	0	0.11	16.29
14	66	47	57	9	0	0.11	16.40
15	67	47	57	9	0	0.11	16.51
16	67	47	57	8	0	0.10	16.61
17	67	47	57	8	0	0.10	16.71
18	67	47	57	8	0	0.10	16.81
19	67	47	57	8	0	0.10	16.91
20	68	47	57	8	0	0.10	17.01
21	68	47	58	8	**	0.09	17.10
22	68	47	58	8	**	0.09	17.19
23	68	48	58	8	**	0.09	17.28
24	68	48	58	7	**	0.09	17.37
25	69	48	58	7	**	0.09	17.46
26	69	48	58	7	**	0.08	17.54
27	69	48	58	7	**	0.08	17.62
28	69	48	59	7	**	0.08	17.70
29	69	48	59	7	**	0.08	17.78
30	70	48	59	7	**	0.07	17.85
31	70	48	59	6	**	0.07	17.92
Month	67.0	47.1	57.1	258	11	3.15	

NORMALS - SACRAMENTO
1971 to 2000

Latitude: 38 degrees 33' 20" N
Longitude: 121 degrees 25' 01" W
Elevation: 38 ft (11.6 m) above msl

APRIL

	TEMPERATURE			DEGREE DAYS		PRECIPITATION	
Date	Max	Min	Avg	HDD	CDD	Daily	Season
1	70	48	59	6	0	0.07	17.99
2	70	48	59	6	0	0.06	18.05
3	71	48	59	6	0	0.06	18.11
4	71	48	60	6	0	0.06	18.17
5	71	48	60	6	0	0.06	18.23
6	71	48	60	6	1	0.05	18.28
7	72	49	60	5	1	0.05	18.33
8	72	49	60	5	1	0.05	18.38
9	72	49	60	5	1	0.05	18.43
10	72	49	61	5	1	0.05	18.48
11	73	49	61	5	1	0.04	18.52
12	73	49	61	5	1	0.04	18.56
13	73	49	61	5	1	0.04	18.60
14	74	49	61	5	1	0.04	18.64
15	74	49	62	5	1	0.04	18.68
16	74	49	62	4	1	0.03	18.71
17	74	50	62	4	1	0.03	18.74
18	75	50	62	4	1	0.03	18.77
19	75	50	62	4	1	0.03	18.80
20	75	50	62	4	1	0.03	18.83
21	75	50	63	4	2	0.03	18.86
22	76	50	63	4	2	0.03	18.89
23	76	50	63	4	2	0.03	18.92
24	76	51	63	4	2	0.03	18.95
25	76	51	64	4	2	0.03	18.98
26	77	51	64	3	2	0.03	19.01
27	77	51	64	3	2	0.02	19.03
28	77	51	64	3	2	0.02	19.05
29	77	51	64	3	3	0.02	19.07
30	78	51	65	3	3	0.02	19.09
Month	73.9	49.5	61.7	136	37	1.17	
Spring	74.2	50.2	62.2	459	202	4.92	
Annual	75.2	51.3	63.3	2226	1597	19.87	

NORMALS - SACRAMENTO
1971 to 2000

Latitude: 38 degrees 33' 20" N
Longitude: 121 degrees 25' 01" W
Elevation: 38 ft (11.6 m) above msl

MAY

	TEMPERATURE			DEGREE DAYS		PRECIPITATION	
Date	Max	Min	Avg	HDD	CDD	Daily	Season
1	78	52	65	3	3	0.02	19.11
2	78	52	65	3	3	0.02	19.13
3	78	52	65	3	3	0.02	19.15
4	79	52	65	3	3	0.02	19.17
5	79	52	66	3	3	0.02	19.19
6	79	52	66	3	4	0.02	19.21
7	79	53	66	3	4	0.02	19.23
8	80	53	66	3	4	0.02	19.25
9	80	53	66	3	4	0.02	19.27
10	80	53	67	2	4	0.02	19.29
11	80	53	67	2	4	0.02	19.31
12	81	54	67	2	4	0.02	19.33
13	81	54	68	2	4	0.02	19.35
14	81	54	68	2	4	0.02	19.37
15	81	54	68	2	4	0.02	19.39
16	82	54	68	2	4	0.02	19.41
17	82	54	68	2	4	0.02	19.43
18	82	54	68	2	5	0.02	19.45
19	82	55	69	2	5	0.02	19.47
20	83	55	69	2	5	0.02	19.49
21	83	55	69	2	5	0.02	19.51
22	83	55	69	2	5	0.02	19.53
23	83	55	69	2	5	0.02	19.55
24	84	55	70	1	5	0.02	19.57
25	84	56	70	1	6	0.02	19.59
26	84	56	70	1	6	0.02	19.61
27	84	56	70	1	6	0.02	19.63
28	85	56	70	1	7	0.02	19.65
29	85	56	70	1	7	0.02	19.67
30	85	56	71	1	7	0.01	19.68
31	85	56	71	1	7	0.01	19.69
Month	81.6	54.1	67.9	65	154	0.60	

NORMALS - SACRAMENTO
1971 to 2000

Latitude: 38 degrees 33' 20" N
Longitude: 121 degrees 25' 01" W
Elevation: 38 ft (11.6 m) above msl

JUNE

	TEMPERATURE			DEGREE DAYS		PRECIPITATION	
Date	Max	Min	Avg	HDD	CDD	Daily	Season
1	85	57	71	1	7	0.01	19.70
2	86	57	71	1	7	0.01	19.71
3	86	57	71	1	7	0.01	19.72
4	86	57	72	1	7	0.01	19.73
5	86	57	72	1	7	0.01	19.74
6	87	57	72	1	8	0.01	19.75
7	87	57	72	0	8	0.01	19.76
8	87	58	72	0	8	0.01	19.77
9	87	58	72	0	8	0.01	19.78
10	88	58	73	0	8	0.01	19.79
11	88	58	73	0	8	0.01	19.80
12	88	58	73	0	8	0.01	19.81
13	88	58	73	0	8	0.01	19.82
14	89	58	73	0	8	0.01	19.83
15	89	58	74	0	9	0.01	19.84
16	89	58	74	0	9	0.01	19.85
17	89	59	74	0	9	0.01	19.86
18	89	59	74	0	9	0.01	19.87
19	90	59	74	0	9	0.00	19.87
20	90	59	74	0	9	0.00	19.87
21	90	59	75	0	9	0.00	19.87
22	90	59	75	0	10	0.00	19.87
23	90	59	75	0	10	0.00	19.87
24	91	59	75	0	10	0.00	19.87
25	91	59	75	0	10	0.00	19.87
26	91	60	75	0	10	0.00	19.87
27	91	60	76	0	10	0.00	19.87
28	92	60	76	0	11	0.00	19.87
29	92	60	76	0	11	0.00	19.87
30	92	60	76	0	11	0.10	19.87
Month	88.8	58.4	73.6	6	263	0.18	

NORMALS - SACRAMENTO
1971 to 2000

Latitude: 38 degrees 33' 20" N
Longitude: 121 degrees 25' 01" W
Elevation: 38 ft (11.6 m) above msl

JULY

	TEMPERATURE			DEGREE DAYS		PRECIPITATION	
Date	Max	Min	Avg	HDD	CDD	Daily	Season
1	92	60	76	0	11	0.01	0.01
2	93	60	76	0	11	0.01	0.02
3	93	60	76	0	11	0.01	0.03
4	93	61	77	0	11	0.01	0.04
5	93	61	77	0	11	0.01	0.05
6	93	61	77	0	12	0.00	0.05
7	93	61	77	0	12	0.00	0.05
8	94	61	77	0	12	0.00	0.05
9	94	61	77	0	12	0.00	0.05
10	94	61	77	0	12	0.00	0.05
11	94	61	77	0	12	0.00	0.05
12	94	61	77	0	12	0.00	0.05
13	94	61	77	0	12	0.00	0.05
14	94	61	77	0	12	0.00	0.05
15	94	61	77	0	12	0.00	0.05
16	94	61	78	0	13	0.00	0.05
17	94	61	78	0	13	0.00	0.05
18	94	61	78	0	13	0.00	0.05
19	94	61	78	0	13	0.00	0.05
20	94	61	78	0	13	0.00	0.05
21	94	61	78	0	13	0.00	0.05
22	95	61	78	0	13	0.00	0.05
23	95	61	78	0	13	0.00	0.05
24	94	61	78	0	13	0.00	0.05
25	94	61	78	0	13	0.00	0.05
26	94	61	78	0	13	0.00	0.05
27	94	61	78	0	13	0.00	0.05
28	94	61	78	0	13	0.00	0.05
29	94	61	78	0	13	0.00	0.05
30	94	61	78	0	13	0.00	0.05
31	94	61	78	0	12	0.00	0.05
Month	93.8	60.9	77.4	0	382	0.05	
Summer	91.7	60.0	75.9	6	1006	0.28	
Annual	75.2	51.3	63.3	2226	1597	19.87	

NORMALS - SACRAMENTO
1971 to 2000

Latitude: 38 degrees 33' 20" N
Longitude: 121 degrees 25' 01" W
Elevation: 38 ft (11.6 m) above msl

AUGUST

	TEMPERATURE			DEGREE DAYS		PRECIPITATION	
Date	Max	Min	Avg	HDD	CDD	Daily	Season
1	94	61	78	0	13	0.00	0.05
2	94	61	78	0	13	0.00	0.05
3	94	61	78	0	12	0.00	0.05
4	94	61	77	0	12	0.00	0.05
5	94	61	77	0	12	0.00	0.05
6	93	61	77	0	12	0.00	0.05
7	93	61	77	0	12	0.00	0.05
8	93	61	77	0	12	0.00	0.05
9	93	61	77	0	12	0.00	0.05
10	93	61	77	0	12	0.00	0.05
11	93	61	77	0	12	0.00	0.05
12	93	61	77	0	12	0.00	0.05
13	93	61	77	0	12	0.00	0.05
14	93	61	77	0	12	0.00	0.05
15	93	61	77	0	12	0.00	0.05
16	93	61	77	0	12	0.00	0.05
17	92	61	77	0	12	0.00	0.05
18	92	61	77	0	12	0.00	0.05
19	92	61	77	0	11	0.00	0.05
20	92	61	76	0	11	0.00	0.05
21	92	61	76	0	11	0.00	0.05
22	92	61	76	0	11	0.00	0.05
23	92	61	76	0	11	0.00	0.05
24	92	61	76	0	11	0.00	0.05
25	92	61	76	0	11	0.00	0.05
26	92	60	76	0	11	0.00	0.05
27	91	60	76	0	11	0.01	0.06
28	91	60	76	0	11	0.01	0.07
29	91	60	76	0	11	0.01	0.08
30	91	60	76	0	11	0.01	0.09
31	91	60	76	0	11	0.01	0.10
Month	92.5	60.8	76.7	0	361	0.05	

NORMALS - SACRAMENTO
1971 to 2000

Latitude: 38 degrees 33' 20" N
Longitude: 121 degrees 25' 01" W
Elevation: 38 ft (11.6 m) above msl

SEPTEMBER

	TEMPERATURE			DEGREE DAYS		PRECIPITATION	
Date	Max	Min	Avg	HDD	CDD	Daily	Season
1	91	60	76	0	11	0.01	0.11
2	91	60	76	0	11	0.01	0.12
3	91	60	75	0	11	0.01	0.13
4	91	60	75	0	10	0.01	0.14
5	91	60	75	0	10	0.01	0.15
6	90	60	75	0	10	0.01	0.16
7	90	60	75	0	10	0.01	0.17
8	90	60	75	0	10	0.01	0.18
9	90	60	75	0	10	0.01	0.19
10	90	60	75	0	10	0.01	0.20
11	90	60	75	0	10	0.01	0.21
12	89	60	75	0	10	0.01	0.22
13	89	59	74	0	10	0.01	0.23
14	89	59	74	0	9	0.01	0.24
15	89	59	74	0	9	0.01	0.25
16	89	59	74	0	9	0.01	0.26
17	89	59	74	0	9	0.01	0.27
18	88	59	74	0	9	0.01	0.28
19	88	59	73	0	9	0.01	0.29
20	88	59	73	0	8	0.01	0.30
21	88	59	73	0	8	0.01	0.31
22	87	58	73	0	8	0.01	0.32
23	87	58	73	0	8	0.01	0.33
24	87	58	73	0	8	0.02	0.35
25	87	58	72	**	8	0.02	0.37
26	86	58	72	**	7	0.02	0.39
27	86	58	72	**	7	0.02	0.41
28	86	57	72	**	7	0.02	0.43
29	86	57	71	**	7	0.02	0.45
30	85	57	71	**	7	0.02	0.47
Month	88.6	59.0	73.8	6	270	0.37	

NORMALS - SACRAMENTO
1971 to 2000

Latitude: 38 degrees 33' 20" N
Longitude: 121 degrees 25' 01" W
Elevation: 38 ft (11.6 m) above msl

OCTOBER

	TEMPERATURE			DEGREE DAYS		PRECIPITATION	
Date	Max	Min	Avg	HDD	CDD	Daily	Season
1	85	57	71	0	6	0.02	0.49
2	85	57	71	0	6	0.02	0.51
3	84	56	70	0	6	0.02	0.53
4	84	56	70	0	6	0.02	0.55
5	84	56	70	0	5	0.02	0.57
6	83	56	70	1	5	0.02	0.59
7	83	56	69	1	5	0.02	0.61
8	83	55	69	1	5	0.02	0.63
9	82	55	69	1	5	0.02	0.65
10	82	55	69	1	4	0.02	0.67
11	82	55	68	1	4	0.02	0.69
12	81	55	68	1	4	0.02	0.71
13	81	54	68	1	4	0.02	0.73
14	80	54	67	1	4	0.02	0.75
15	80	54	67	2	4	0.03	0.78
16	80	54	67	2	3	0.03	0.81
17	79	54	66	2	3	0.03	0.84
18	79	53	66	2	3	0.03	0.87
19	78	53	66	2	3	0.03	0.90
20	78	53	65	3	3	0.03	0.93
21	77	53	65	3	3	0.04	0.97
22	77	52	64	3	3	0.04	1.01
23	76	52	64	3	2	0.04	1.05
24	76	52	64	3	2	0.04	1.09
25	75	52	63	4	2	0.05	1.14
26	75	51	63	4	2	0.05	1.19
27	74	51	63	4	2	0.05	1.24
28	74	51	62	5	2	0.05	1.29
29	73	50	62	5	2	0.06	1.34
30	73	50	61	5	1	0.06	1.41
31	72	50	61	5	1	0.06	1.47
Month	79.2	53.6	66.4	66	110	1.00	
Fall	77.3	52.8	65.1	380	389	3.96	
Annual	75.2	51.3	63.3	2226	1597	19.87	

NORMALS - SACRAMENTO
1971 to 2000

Latitude: 38 degrees 33' 20" N
Longitude: 121 degrees 25' 01" W
Elevation: 38 ft (11.6 m) above msl

NOVEMBER

	TEMPERATURE			DEGREE DAYS		PRECIPITATION	
Date	Max	Min	Avg	HDD	CDD	Daily	Season
1	71	50	61	6	1	0.07	1.54
2	71	49	60	6	1	0.07	1.61
3	70	49	60	6	1	0.07	1.68
4	70	49	59	7	1	0.07	1.75
5	69	49	59	7	1	0.08	1.83
6	69	48	58	7	1	0.08	1.91
7	68	48	58	8	1	0.08	1.99
8	67	48	58	8	1	0.08	2.07
9	67	47	57	8	1	0.08	2.15
10	66	47	57	9	0	0.09	2.24
11	66	47	57	9	0	0.09	2.33
12	65	47	56	9	0	0.09	2.42
13	65	46	56	10	0	0.09	2.51
14	65	46	55	10	0	0.09	2.60
15	64	46	55	10	0	0.09	2.69
16	64	46	55	10	0	0.09	2.78
17	63	45	54	11	0	0.09	2.87
18	63	45	54	11	0	0.09	2.96
19	62	45	54	11	0	0.09	3.05
20	62	45	53	12	0	0.09	3.14
21	62	45	53	12	0	0.10	3.24
22	61	44	53	12	0	0.10	3.34
23	61	44	52	13	0	0.09	3.43
24	60	44	52	13	0	0.09	3.52
25	60	44	52	13	0	0.09	3.61
26	60	43	52	13	0	0.09	3.70
27	59	43	51	14	0	0.09	3.79
28	59	43	51	14	0	0.09	3.88
29	59	43	51	14	0	0.09	3.97
30	58	42	50	15	0	0.09	4.06
Month	64.2	45.9	55.1	308	9	2.59	

NORMALS - SACRAMENTO
1971 to 2000

Latitude: 38 degrees 33' 20" N
Longitude: 121 degrees 25' 01" W
Elevation: 38 ft (11.6 m) above msl

DECEMBER

	TEMPERATURE			DEGREE DAYS		PRECIPITATION	
Date	Max	Min	Avg	HDD	CDD	Daily	Season
1	58	42	50	15	0	0.09	4.15
2	58	42	50	15	0	0.09	4.24
3	57	42	50	15	0	0.09	4.33
4	57	41	49	16	0	0.09	4.42
5	57	41	49	16	0	0.08	4.50
6	57	41	49	16	0	0.08	4.58
7	56	41	49	16	0	0.08	4.66
8	56	41	48	16	0	0.08	4.74
9	56	41	48	17	0	0.08	4.82
10	56	40	48	17	0	0.08	4.90
11	56	40	48	17	0	0.08	4.98
12	55	40	48	17	0	0.08	5.06
13	55	40	48	17	0	0.08	5.14
14	55	40	47	18	0	0.08	5.22
15	55	40	47	18	0	0.08	5.30
16	55	40	47	18	0	0.08	5.38
17	54	40	47	18	0	0.09	5.47
18	54	40	47	18	0	0.09	5.56
19	54	40	47	18	0	0.09	5.65
20	54	40	47	18	0	0.09	5.74
21	54	40	47	18	0	0.09	5.83
22	54	40	47	18	0	0.09	5.92
23	54	40	47	18	0	0.09	6.01
24	54	40	47	18	0	0.09	6.10
25	54	40	47	18	0	0.10	6.20
26	54	40	47	18	0	0.10	6.30
27	54	40	47	18	0	0.10	6.40
28	53	40	46	19	0	0.10	6.50
29	53	40	47	19	0	0.10	6.60
30	53	40	47	18	0	0.11	6.71
31	53	40	47	18	0	0.11	6.82
Month	55.0	40.4	47.7	536	0	2.76	

III. DAILY RECORDS

SACRAMENTO CLIMATE
MONTH: JANUARY

	Normal Max	Record Max	Record Max Year	Record Low Max	Record Low Max Year	Normal Min	Record Min	Record Min Year	Record High Min	Record High Min Year	Greatest Pcpn	Grtst Pcpn Year
Jan 01	51	64	1997	38	1920	38	24	1919	60	1997	1.18	1997
Jan 02	51	65	1940	36	1961**	38	25	1961	56	1997	1.79	1940
Jan 03	51	64	2007	37	1961**	39	26	1950	53	1900	2.60	1916
Jan 04	52	64	2003	37	1961**	38	25	1949	53	1948	3.10	1982
Jan 05	52	67	1948	33	1961**	39	26	1949	55	1986	1.68	1978
Jan 06	52	71	1911	35	1961	39	24	1950	53	1948	1.14	1993
Jan 07	51	65	1943	36	1968	39	24	1937	54	1948	1.02	1940
Jan 08	52	66	1990**	37	1968	39	22	1937	57	1953	1.51	2001
Jan 09	52	70	1990	37	1926**	39	22	1937	58	1953	2.83	1995
Jan 10	52	66	1996**	35	1926	39	25	1949	57	1959	1.71	1995
Jan 11	52	67	1959**	35	1929**	39	22	1949	54	1959	1.44	1952
Jan 12	52	69	1980	36	1929**	39	28	1949	56	1980	2.53	1990
Jan 13	53	66	2009	35	1926	39	27	2007	59	1980	2.53	1993
Jan 14	52	66	1989	35	1929	40	28	1949	56	1909	1.69	1911
Jan 15	53	67	1981**	37	1903**	40	27	1949	55	1909	2.25	1894
Jan 16	54	68	1991	40	1922	40	28	1917	56	1909	1.53	1973
Jan 17	53	70	2009	40	1982	40	26	1917	56	1998	1.90	1921
Jan 18	53	70	1976	40	1922	40	26	1917	56	1896	1.22	1973
Jan 19	54	71	1991	41	1961	40	27	1922**	54	1999	1.45	1969
Jan 20	54	69	1976	36	1937	39	23	1937	55	1969	2.09	1964
Jan 21	55	70	1976	37	1962	40	22	1937	57	1970	3.14	1943
Jan 22	55	66	2001**	40	1992**	40	24	1937	59	1970	2.12	1997
Jan 23	55	69	1948	39	1992	41	27	1937	54	1970	1.15	2000
Jan 24	55	70	1984**	39	1893	41	28	1949	54	1903	3.11	2000
Jan 25	56	71	1899	40	1893	41	24	1937	53	2003**	1.33	1890
Jan 26	56	70	1899	40	1963	41	28	1949	55	2003	1.35	1997
Jan 27	56	68	1988	40	1963	41	27	1957	53	2003**	1.78	1896
Jan 28	56	70	1984	43	1977**	41	29	1898**	53	1997**	1.32	1926
Jan 29	56	70	1976	40	1922	41	29	1957	56	1967	1.36	1897
Jan 30	56	73	1976	40	1922	41	28	1957	56	1967	1.70	1963
Jan 31	56	74	1976	40	1893	41	29	2002	55	1995**	1.42	1938

MONTHLY SUMMARY

Max Extreme 74 Jan 31 1976 **Min Extreme** 19 Jan 15 1888*

Low Max 33 Jan 05 1961** **High Min** 60 Jan 01 1997

Average Max 55.1 **Average Min** 41.3 **Average Temperature** 48.2

Max Pcpn 3.14 Jan 21 1943

*Also occurred prior dates in month **Also occurred prior years

SACRAMENTO CLIMATE
MONTH: FEBRUARY

	Normal Max	Record Max	Record Max Year	Record Low Max	Record Low Max Year	Normal Min	Record Min	Record Min Year	Record High Min	Record High Min Year	Greatest Pcpn	Grtst Pcpn Year
Feb 01	56	74	1976	42	1932	42	28	1950	58	1963	2.74	1945
Feb 02	57	76	1976	45	1903	42	26	1950	56	1963	2.39	1944
Feb 03	57	71	2001	41	1903	41	28	1948	56	1963**	1.62	1998
Feb 04	57	72	2001**	42	1899	42	29	1957	57	1996	2.32	1937
Feb 05	58	70	1996	42	1989**	43	24	1989	58	1996	1.80	1901
Feb 06	58	73	1996**	40	1889	43	24	1989	55	1963	1.30	1998
Feb 07	58	72	2006	44	1929**	43	23	1989	54	1960**	1.20	1999
Feb 08	58	72	2006	43	1901	43	23	1989	55	1975	1.16	1985
Feb 09	59	73	2006	43	1989	42	28	1891**	55	2007**	2.19	1962
Feb 10	59	74	1988	44	1939	42	29	1933**	55	2007**	1.95	1919
Feb 11	59	75	1988	44	1894**	43	32	1948	54	1970	2.33	1936
Feb 12	59	74	1996**	46	2001	43	28	1949	54	1970	2.48	1904
Feb 13	60	74	2006**	48	1949	43	26	1949	54	1996**	1.61	1926
Feb 14	60	76	1930	44	1911	43	28	1949	56	1986**	1.33	1992
Feb 15	60	76	1977	48	1911	44	30	1990	57	1982	1.86	1891
Feb 16	60	76	1977	47	1990	44	31	1956	56	1996	1.94	1990
Feb 17	61	76	1977	45	1990**	44	33	1956	57	1996	3.21	1986
Feb 18	61	80	1899	46	1890**	44	31	1990**	56	1980	1.91	1958
Feb 19	60	77	1964**	44	1897	44	33	1990	54	1968	2.15	1894
Feb 20	61	75	1995	46	1909	44	31	1953	56	1968	1.20	1914
Feb 21	61	75	1995**	42	1913	44	31	1955	56	1968	1.26	1917
Feb 22	62	78	1985	48	1951**	44	33	1920	56	1904	1.04	2009
Feb 23	62	79	1991	48	1890	44	32	1890	58	1968	1.26	1891
Feb 24	62	77	1991	48	1930**	44	35	1960	55	1957	1.82	1917
Feb 25	63	77	1992**	50	1962	44	31	1987	55	1957**	1.31	2004
Feb 26	62	77	1992	44	1962	44	30	1962	55	1957	1.45	1940
Feb 27	63	80	1985	44	1911	44	30	1962	54	1980**	2.19	1940
Feb 28	63	79	1985	49	1951**	45	33	1955**	55	1976	1.41	1935
Feb 29	62	73	1924	54	1920**	45	37	1948	53	1992	0.61	1976

MONTHLY SUMMARY

Max Extreme	80	Feb 27 1985*	**Min Extreme**	21	Feb 13 1884	
Low Max	40	Feb 06 1883*	**High Min**	58	Feb 23 1968*	
Average Max	62.2		**Average Min**	44.7	**Average Temperature**	53.5
Max Pcpn	3.21	Feb 17 1986				

*Also occurred prior dates in month

**Also occurred prior years

SACRAMENTO CLIMATE

MONTH: MARCH

	Normal Max	Record Max	Record Max Year	Record Low Max	Record Low Max Year	Normal Min	Record Min	Record Min Year	Record High Min	Record High Min Year	Greatest Pcpn	Grtst Pcpn Year
Mar 01	62	76	1936	49	1911	45	32	1971	55	1995**	1.33	1911
Mar 02	62	79	1994	45	1976	45	32	1953	54	1995**	1.91	1995
Mar 03	62	80	1929	47	1894	45	31	1951	55	1905**	0.95	1906
Mar 04	63	78	1986**	49	1951	45	33	1939**	54	1978	1.26	1978
Mar 05	62	82	1986	49	1908	45	34	1918	55	1905	1.79	1987
Mar 06	64	80	1953	47	1952**	45	32	1918	56	1892	1.80	1952
Mar 07	64	81	1953	48	1918	45	32	1964	58	1986	0.74	1986
Mar 08	64	80	2004**	50	1939**	46	34	2002**	57	1993**	1.37	1939
Mar 09	64	81	2004	49	1939	46	35	1935	58	1983	0.89	1995
Mar 10	64	84	2005	48	1922	45	34	1951	58	1983	1.44	1918
Mar 11	64	85	2005	47	1922	45	34	1922	56	1916	1.17	1893
Mar 12	64	81	2007	47	1969	45	31	1950	56	1972	1.30	1983
Mar 13	64	83	2007	50	1919	45	33	1954	57	1993	1.48	1983
Mar 14	64	83	2004	46	1942	45	32	1942	56	2003	1.46	1942
Mar 15	65	85	2004	49	1906	45	33	1963	55	2004	2.20	1899
Mar 16	64	86	2004**	48	1945	46	36	1935	60	1914	1.15	1907
Mar 17	65	86	2004	51	1943	46	35	1955	60	1914	0.75	1991
Mar 18	65	84	2004	52	1954**	46	34	1945**	55	1996**	1.74	1907
Mar 19	67	83	2004**	50	1937	46	35	1898	60	1914	0.76	1954
Mar 20	66	84	2004**	50	2006	46	33	1952	56	1984	0.97	1910
Mar 21	66	83	2004	48	1973	46	35	1952	59	1997	2.52	1937
Mar 22	65	82	1926**	46	1964	46	34	1987	57	1998	1.09	1995
Mar 23	65	80	1997**	47	1913	46	30	1898	56	1998**	1.55	1906
Mar 24	66	83	1997	50	1991**	46	34	1945**	60	1896	1.05	1991
Mar 25	65	86	1997	48	1907	46	34	1936	60	1896	0.98	2006**
Mar 26	66	90	1988	48	1991	46	32	1898	57	1997**	1.10	1940
Mar 27	67	85	1923	54	1937	46	32	1898	56	1955	1.33	1963
Mar 28	67	84	1986	53	1905**	46	37	1892	57	1986**	1.28	1904
Mar 29	68	86	2002	51	1914**	46	36	1897	57	1986	0.96	1940
Mar 30	68	86	1966	51	1967**	47	34	1938	56	1978	2.27	1906
Mar 31	68	90	1966	50	1982	47	37	1936	55	1966	1.83	1982

MONTHLY SUMMARY

Max Extreme 90 Mar 31 1966*

Low Max 45 Mar 02 1976

Average Max 67.0

Max Pcpn 2.62 Mar 09 1884

Min Extreme 29 Mar 15 1880

High Min 60 Mar 25 1896*

Average Min 47.1

Average Temperature 57.1

*Also occurred prior dates in month

**Also occurred prior years

SACRAMENTO CLIMATE
MONTH: APRIL

	Normal Max	Record Max	Record Max Year	Record Low Max	Record Low Max Year	Normal Min	Record Min	Record Min Year	Record High Min	Record High Min Year	Greatest Pcpn	Grtst Pcpn Year
Apr 01	68	90	1966	52	1982	46	36	1936	56	1966	1.25	1958
Apr 02	68	88	2000**	52	1958	47	37	1963**	56	1966**	2.23	1958
Apr 03	68	89	1966	53	1928**	47	36	1955	58	1961	1.55	1936
Apr 04	69	86	1960	52	1938**	47	35	1901	60	1961	1.86	1941
Apr 05	69	88	1985	50	1929	48	36	1929	56	2007	1.33	1926
Apr 06	69	91	1989	54	2001	48	34	1929	57	1995**	0.96	1896
Apr 07	69	91	1989	54	1893	47	36	1929	58	1962	3.35	1935
Apr 08	70	91	1989	54	1965	48	34	1953	60	1989	1.02	1926
Apr 09	70	95	1989	52	1965	47	34	1929	60	1989**	0.84	1918
Apr 10	71	93	1988	52	1912	48	34	1927	58	1904	1.88	1982
Apr 11	72	95	1988	51	1956	48	37	1953	62	1904	0.57	1956
Apr 12	72	89	1990**	50	1922	48	36	1912	58	1904	0.90	2003
Apr 13	71	95	1990	50	1956	48	37	1945	60	1897	0.76	1942
Apr 14	72	94	1985	52	1920	49	36	1921	59	1897	1.19	1963
Apr 15	71	92	1987	55	1917	49	36	1896	61	1925	0.64	1905
Apr 16	71	92	1987	56	1963	48	36	1917	62	1897	0.49	2006
Apr 17	71	90	1954	55	1955**	48	36	1933**	59	1999	1.48	2000
Apr 18	72	91	1939	54	1967	48	38	1933	62	1907	0.90	1890
Apr 19	72	91	1939	53	1988**	48	39	1933	64	1907	1.00	1988
Apr 20	72	94	2009	49	1963	48	38	1904	60	1907	0.97	2001
Apr 21	73	96	1931	54	1967	49	36	1963**	62	1931**	0.72	1955
Apr 22	72	94	2009	54	1980	49	39	1920	60	1895	0.52	1990
Apr 23	72	92	1946	54	1924	49	39	1920	62	1910	0.59	1896
Apr 24	72	94	1946	57	1951**	49	38	1964	59	1996**	1.90	1896
Apr 25	72	92	1987	54	1952	49	40	1891**	61	1926	0.61	1952
Apr 26	73	98	2004	54	1911	49	39	1892	63	1926	0.62	1960
Apr 27	73	96	2004**	56	1943**	50	38	1955	62	1965**	1.54	1953
Apr 28	73	94	1992**	56	1948**	49	40	1970**	61	1992	1.24	1983
Apr 29	74	96	1981	53	1948	50	39	1948	63	1981	1.52	1901
Apr 30	74	97	1996	54	1999**	50	39	1933	62	1993**	0.57	1995

MONTHLY SUMMARY

Max Extreme	98	Apr 26	2004	**Min Extreme**	34	Apr 10	1927*
Low Max	49	Apr 20	1963	**High Min**	64	Apr 19	1907
Average Max	73.9			**Average Min**	49.5		
Max Pcpn	5.28	Apr 20	1883				

Average Temperature 61.7

*Also occurred prior dates in month

**Also occurred prior years

SACRAMENTO CLIMATE
MONTH: MAY

	Normal Max	Record Max	Record Max Year	Record Low Max	Record Low Max Year	Normal Min	Record Min	Record Min Year	Record High Min	Record High Min Year	Greatest Pcpn	Grtst Pcpn Year
May 01	74	97	1996	56	1915	50	39	1920	66	1996	0.87	2009
May 02	76	96	1992	56	1950	50	40	1964	66	1996	0.56	1971
May 03	76	97	1992	55	1892	50	37	1950	64	1990	0.76	1956
May 04	76	100	1990	56	1892	50	42	1952**	65	1989	0.45	1915
May 05	76	100	1987	57	1964	51	42	1988	65	1990	1.32	1900
May 06	76	104	1987	57	1994	51	39	1933	67	1987	1.29	1994
May 07	76	105	1987	54	1905	51	41	1930	68	1987	1.31	1905
May 08	76	100	2001	55	1963	51	40	1933	70	1987	0.78	1893
May 09	76	98	2001	57	1922	51	39	1896	67	1987	0.41	1980
May 10	77	100	1987	60	1963	52	41	1933	67	1897	0.48	1942
May 11	79	102	1987	60	1998	52	40	1930	68	1897	1.00	1915
May 12	79	102	1987	58	1998	52	40	1916	66	1976**	0.62	1925
May 13	79	102	1976	58	1968	52	44	1951	70	1987	0.95	1941
May 14	78	103	1987	58	1894	52	41	1899	67	1987	0.39	1953
May 15	79	99	1927	58	1911	53	40	1906	69	2008	1.67	1996
May 16	79	102	1970	61	1898**	52	40	1894	69	1970	0.38	1996
May 17	79	102	2009	60	1911	52	44	1896	70	1997	0.36	1944
May 18	79	104	1997	58	1991	52	42	1917	71	1997	0.82	1957
May 19	79	99	2001	60	1948	53	41	1896	66	1920	0.45	1948
May 20	78	102	1947	56	1957**	53	44	1901**	67	1931	1.22	2002
May 21	80	101	2001**	61	1933	53	45	1960**	69	1892	0.45	1939
May 22	80	103	2000	60	1977	53	42	1960	70	1943	0.65	1958
May 23	80	99	2001**	57	1960	54	45	1916	70	2000	0.37	1960
May 24	80	100	2001	58	1916	53	43	1953	72	1890	0.62	1993
May 25	80	100	1951	58	1917	53	43	1899	66	1979	0.77	1906
May 26	80	102	1974	63	1906	54	42	1918	69	1951**	0.29	1901
May 27	81	104	1984	56	1906	54	45	1927	67	1984	1.56	1990
May 28	80	107	1984	57	1998	54	44	1927	70	1984	1.27	1998
May 29	81	101	1973	63	1911	54	44	1985	71	1973	0.26	1948
May 30	81	103	1910	61	1932	55	44	1923**	68	2002**	1.67	1948
May 31	82	106	2001	58	1899	55	45	1923	68	1892**	0.44	1899

MONTHLY SUMMARY

Max Extreme 107 May 28 1984 **Min Extreme** 37 May 03 1950

Low Max 54 May 07 1905 **High Min** 72 May 28 1887*

Average Max 81.6 **Average Min** 54.1 **Average Temperature** 67.9

Max Pcpn 1.94 May 05 1889

*Also occurred prior dates in month **Also occurred prior years

SACRAMENTO CLIMATE

MONTH: JUNE

	Normal Max	Record Max	Record Max Year	Record Low Max	Record Low Max Year	Normal Min	Record Min	Record Min Year	Record High Min	Record High Min Year	Greatest Pcpn	Grtst Pcpn Year
Jun 01	82	104	1970	62	1967**	55	43	1929	69	1960	0.45	1899
Jun 02	83	106	1960	59	1967	55	45	1933**	71	1960	0.14	1967
Jun 03	83	107	1960	64	1936	55	46	1944**	71	1893	0.38	1894
Jun 04	84	103	1935**	66	1984**	55	46	1939	70	1981**	0.81	1993
Jun 05	84	108	1926	60	1967	56	47	1988**	70	1981	0.22	1934
Jun 06	83	105	1978	57	1914	56	46	1988	73	1974	0.44	1953
Jun 07	83	101	1983	64	1927	56	44	1950	73	1903	0.57	1927
Jun 08	84	103	1973	57	1964	56	46	1892	71	1973	0.36	2005
Jun 09	84	102	1986	59	1964	56	46	1892	69	1985	0.34	1929
Jun 10	84	105	1918	67	1955	56	46	1917	72	1921	0.06	1983
Jun 11	85	107	1985**	64	1907	56	48	1901	72	1985	0.32	1907
Jun 12	84	105	1985	63	1907	56	44	1952	68	1960	0.37	1997
Jun 13	85	107	1985	60	1907	56	48	1952**	68	2000	0.52	1907
Jun 14	85	109	1961	65	1944	56	47	1907	75	1966	0.11	1995
Jun 15	85	111	1961	62	1944	57	47	1944	71	1961	0.59	1929
Jun 16	86	108	1985	66	2005	57	47	1944**	73	1985	0.25	1995
Jun 17	87	102	1976	66	1909	57	48	1910	68	1993**	0.00	2009
Jun 18	87	105	1945**	68	1909	57	48	1910**	70	1981**	0.00	2006
Jun 19	88	106	1988	65	1930	58	50	1910**	76	1917	0.66	1974
Jun 20	89	108	1920	63	1908	58	46	1910	74	1981	0.04	1897
Jun 21	89	108	1961	68	1907	58	46	1908	74	1981	0.02	1943
Jun 22	89	107	1981	65	1923	58	48	1943	74	1981	0.09	1923
Jun 23	89	106	1988	59	1912	58	50	1930	78	1909	0.44	1912
Jun 24	88	110	1925	64	1899	58	49	1918	74	1976	0.22	1914
Jun 25	88	111	1925	68	1906	58	48	1901	74	1995**	0.13	2001
Jun 26	88	106	1973**	61	1906	58	48	1930	73	1993	0.04	1971
Jun 27	89	108	1976	65	1952	58	49	1906	73	1973	0.08	1933
Jun 28	89	108	2009	65	1991	58	47	1916	74	1891	0.56	1991
Jun 29	89	107	1950	73	1992	59	50	1949	75	1891	0.19	1992**
Jun 30	90	112	1934	71	1982	59	50	1964	74	1891	0.01	1916

MONTHLY SUMMARY

Max Extreme	112	Jun 30	1934	**Min Extreme**	43	Jun 01 1929
Low Max	57	Jun 08	1964*	**High Min**	78	Jun 23 1909
Average Max	88.8			**Average Min**	58.4	**Average Temperature** 73.6
Max Pcpn	0.81	Jun 04	1993			

*Also occurred prior dates in month

**Also occurred prior years

SACRAMENTO CLIMATE
MONTH: JULY

	Normal Max	Record Max	Record Max Year	Record Low Max	Record Low Max Year	Normal Min	Record Min	Record Min Year	Record High Min	Record High Min Year	Greatest Pcpn	Grtst Pcpn Year
Jul 01	91	109	1950	71	1916	59	50	1919	74	1996	0.07	1916
Jul 02	90	109	1991	68	1938	59	50	1919	73	1991	0.28	1980
Jul 03	90	111	1991	65	1910	59	47	1901	74	1970	0.00	2009
Jul 04	91	110	1991	68	1948**	59	50	1999**	75	2001**	0.01	1925
Jul 05	91	108	2008	70	1909	59	50	1919	72	1931	0.04	1895
Jul 06	91	105	1989	76	1935	59	50	1899	71	1957	0.00	2009
Jul 07	91	110	1989	73	1891	59	50	1926	74	1905	0.03	1974
Jul 08	91	110	1905	68	1974	59	51	1930**	74	1905**	0.85	1974
Jul 09	91	109	2002	73	1904	59	52	1917	72	2008	0.01	1974
Jul 10	92	112	2002	72	2008	59	50	1932**	72	1896	0.00	2009
Jul 11	93	110	1961	75	1914**	60	50	1898	76	1913	0.01	2007
Jul 12	93	111	1990	71	1956	60	49	1899	74	2002	0.00	2009
Jul 13	93	112	1972	71	1920	60	50	1903	75	1999**	0.00	2009
Jul 14	93	113	1972	75	1907	60	50	1918	77	1972	0.00	2009
Jul 15	92	109	1926	74	1975	59	51	1903**	74	1984**	0.02	1975
Jul 16	92	108	1935	74	1923	59	51	1903**	72	1995	0.00	2009
Jul 17	93	114	1925#	75	1987	60	52	1921	75	1988	0.01	1995
Jul 18	93	112	1988	69	1932	60	50	1921	74	2003	0.00	2009
Jul 19	93	110	1998	72	1907	60	51	1911	74	2006	0.00	2009
Jul 20	92	107	1933	74	1985**	60	51	1911	75	1917	0.00	2009
Jul 21	92	106	1996**	74	1987**	60	51	1911	77	2006	0.22	1979
Jul 22	93	109	2006	75	1925**	60	50	1918	79	2006	0.00	2009
Jul 23	92	111	2006	77	1903	60	52	1914	84	2006#	0.00	2009
Jul 24	93	108	2006**	78	1977	60	52	1930**	79	2006	0.00	2009
Jul 25	93	109	1975	74	1946**	59	52	1919	77	1974	0.01	1988
Jul 26	93	110	1933	74	1941	59	51	1920**	74	2006	0.00	2009
Jul 27	92	108	1980**	74	1941	59	50	1899	72	1933	0.00	2009
Jul 28	91	107	1954	70	1919	59	50	1930	74	1967	0.01	1964
Jul 29	92	106	1996	75	1985	58	51	1919**	73	1996	0.00	2009
Jul 30	92	109	1977	68	1966	59	50	1919	71	2003	0.07	1966**
Jul 31	92	109	1996	74	1933**	59	51	1919	74	1980	0.00	2009

MONTHLY SUMMARY

Max Extreme 114 Jul 17 1925

Low Max 65 Jul 03 1910

Average Max 93.8

Max Pcpn 0.86 Jul 08 1974

Min Extreme 47 Jul 03 1901

High Min 84 Jul 25 2006#

Average Min 60.9

Average Temperature 77.4

*Also occurred prior dates in month

**Also occurred prior years

#All time record

SACRAMENTO CLIMATE
MONTH: AUGUST

	Normal Max	Record Max	Record Max Year	Record Low Max	Record Low Max Year	Normal Min	Record Min	Record Min Year	Record High Min	Record High Min Year	Greatest Pcpn	Grtst Pcpn Year
Aug 01	93	109	1993	76	1933	60	51	1910	74	1977**	0.00	2009
Aug 02	92	108	1987	69	1953	59	51	1919	76	1993	0.06	2003
Aug 03	91	107	1998**	73	1953**	59	51	1919	73	1998	0.00	2009
Aug 04	91	111	1998	70	1950	59	50	1897	77	1998	0.02	1899
Aug 05	92	109	1990	78	1962**	59	50	1950	76	2007	0.01	1974
Aug 06	93	108	1978	77	1906**	59	50	1891	74	2007	0.00	2009
Aug 07	92	109	1997	75	1907	60	50	1931	76	1983	0.25	1989
Aug 08	92	110	1990	74	1916	59	50	1919**	71	2001	0.13	1962
Aug 09	92	109	1996**	72	1949	59	50	1931	75	1990	0.00	2009
Aug 10	91	110	1996	75	1916	59	50	1919	72	1996	0.01	1965
Aug 11	91	110	1996**	72	1965	59	49	1910	75	1996	0.58	1965
Aug 12	91	107	1996	73	1988	59	50	1910**	76	1898	0.00	2009
Aug 13	91	111	1933	73	1968**	59	48	1921	75	1996	0.00	2009
Aug 14	90	107	1920	70	1976	59	52	1931	73	1993**	0.14	1976
Aug 15	90	108	1920	72	1918	58	51	1955	74	1983**	0.28	1976
Aug 16	91	107	1992	75	1918	58	50	1955	73	1983	0.02	1958
Aug 17	91	106	1967**	67	1985	59	51	1917	74	1966	0.09	1976
Aug 18	90	107	1950	68	1975	59	51	1985	68	1967	0.11	1975
Aug 19	90	108	1950	73	1968	59	51	1890	69	1992**	0.08	1968
Aug 20	90	106	1950	72	1959	58	48	1914	69	1995**	0.19	1997
Aug 21	90	102	1982**	72	1922	58	49	1910	68	1969	0.22	2003
Aug 22	90	106	1891	72	1901**	58	50	1901	68	1995	0.06	2003
Aug 23	90	109	1913	74	1963**	58	50	1908**	74	1891	0.01	1904
Aug 24	91	108	1931**	76	1990**	59	52	1914	73	1913	0.06	1904
Aug 25	90	105	1988	68	1920	58	52	1914**	69	1931	0.26	1954
Aug 26	90	106	1988**	73	1975	58	50	1929**	74	1988**	0.08	1954
Aug 27	90	108	1894	75	1975	59	51	1952**	73	1894	0.01	1949
Aug 28	90	105	1915	67	1895	59	50	1910	74	1913	0.00	2009
Aug 29	89	108	1987	67	2000	59	50	1912	71	2008	0.66	1953
Aug 30	89	110	1987	70	1914	59	50	1912	74	2007	0.19	1896
Aug 31	90	108	1976	66	1964	58	51	1914**	76	2007	0.06	1964

MONTHLY SUMMARY

Max Extreme 111 Aug 13 1933**

Low Max 66 Aug 31 1964

Average Max 92.5

Max Pcpn 0.67 Aug 29 1953

Min Extreme 48 Aug 30 1887**

High Min 77 Aug 04 1998

Average Min 60.8

Average Temperature 76.7

*Also occurred prior dates in month

**Also occurred prior years

SACRAMENTO CLIMATE
MONTH: SEPTEMBER

	Normal Max	Record Max	Record Max Year	Record Low Max	Record Low Max Year	Normal Min	Record Min	Record Min Year	Record High Min	Record High Min Year	Greatest Pcpn	Grtst Pcpn Year
Sep 01	90	109	1950	69	1898	59	48	1899	71	2007	0.16	2000
Sep 02	90	109	1955	70	1913	58	49	1898	72	1950	0.14	1912
Sep 03	89	108	1955	68	1912	58	50	1910**	72	1998	0.16	1897
Sep 04	89	108	1988	67	1900	58	47	1914	74	1998	0.00	2009
Sep 05	89	108	1988	70	1912	58	50	1930**	73	1998	0.18	1912
Sep 06	88	105	1923	62	1912	58	49	1900**	74	1998	0.89	1912
Sep 07	88	107	1923	67	1920	58	50	1935**	74	1998	0.39	1919
Sep 08	89	107	1944	64	1920	58	47	1914	73	1944	0.19	1998
Sep 09	88	108	1944	64	1978	58	45	1898	73	1944	0.26	1985
Sep 10	87	104	1922	67	1952	57	46	1985	67	1953**	0.26	1895
Sep 11	87	106	1983	70	1893	57	49	1911	68	1960	0.48	1976
Sep 12	86	104	1983	64	1895	57	44	1893	69	1953	3.13	1918
Sep 13	86	104	1971	67	1939	57	45	1910	70	1983**	0.29	1918
Sep 14	86	104	1979	68	1931	57	46	1939	71	1953	0.44	1955
Sep 15	86	104	1979**	69	1977	57	47	1939	69	1922	0.12	1982
Sep 16	85	105	1979	60	1977	57	48	1960	69	1922**	1.75	1989
Sep 17	85	106	1984	63	1921	57	48	1924**	71	1923	0.62	1950
Sep 18	85	104	1984	65	1989	57	48	1954	77	1984	1.45	1959
Sep 19	86	101	2000**	62	1896	56	46	1947**	72	1939	1.93	2004
Sep 20	86	102*	2002	68	1945**	56	48	1986**	72	1939	0.06	1896
Sep 21	86	103	1987	66	1901	57	48	1960	73	1939	0.14	1916
Sep 22	86	103	2003	60	1917	57	46	1895	74	1939	0.50	1917
Sep 23	85	102	1939	61	1901	56	46	1945	70	1939	1.74	1904
Sep 24	84	102	1936	66	1986**	56	45	1920	66	1982**	0.61	1904
Sep 25	84	100	1952	61	1909	56	44	1934	66	1991**	1.15	1904
Sep 26	84	103	1963	64	1986	56	46	1923	70	1952	0.41	1972
Sep 27	84	102	1963	64	1965	56	46	1986	67	1963	0.62	1957
Sep 28	84	100	1966	63	1919	56	46	1986**	67	1966	0.37	1989
Sep 29	84	103	1966**	62	1919**	56	47	2007	68	1966	0.79	1890
Sep 30	83	102	1991	58	1930**	55	46	1894	66	1988	0.48	1983

MONTHLY SUMMARY

Max Extreme	109	Sep 02	1955*	**Min Extreme**	44	Sep 25	1934*	
Low Max	58	Sep 30	1930**	**High Min**	77	Sep 18	1984	
Average Max	88.6			**Average Min**	59.0		**Average Temperature**	73.8
Max Pcpn	3.13	Sep 12	1918					

*Also occurred prior dates in month

**Also occurred prior years

SACRAMENTO CLIMATE
MONTH: OCTOBER

	Normal Max	Record Max	Record Max Year	Record Low Max	Record Low Max Year	Normal Min	Record Min	Record Min Year	Record High Min	Record High Min Year	Greatest Pcpn	Grtst Pcpn Year
Oct 01	81	101	2001**	56	1909	55	43	1950	63	1980**	0.79	1909
Oct 02	81	102	2001**	61	1916	55	44	1903	64	2008	0.34	1898
Oct 03	82	102	1987**	58	1909	54	42	1916	66	1980	0.63	1946
Oct 04	82	102	1987**	61	1900	55	44	1931	68	1980	0.45	1994
Oct 05	82	102	1987	56	1924	54	42	1916	66	1933	1.11	1924
Oct 06	81	102	1987	64	1920	54	44	1913	62	1987**	0.41	1923
Oct 07	80	100	1980	60	1973	54	46	1939	65	1996**	0.57	1981
Oct 08	80	101	1996	62	1922	54	44	1941	65	1996	0.63	1904
Oct 09	80	96	1980	63	1924**	54	43	1930	70	1899	0.79	1947
Oct 10	78	100	1991	57	1924	53	44	1941**	64	1991**	0.97	1926
Oct 11	78	96	1992**	57	1925	53	42	1924	66	1991	1.44	1948
Oct 12	79	97	1991	55	1899	52	42	1924	64	1991	2.16	1962
Oct 13	79	94	1991	50	1899	52	43	1920	62	1991**	3.63	1962
Oct 14	79	98	1991	58	1899	53	42	1892	63	1979	0.75	1935
Oct 15	78	94	1961	57	1938	52	40	1899	64	1991**	0.78	1969
Oct 16	77	95	1961	49	1984	52	41	1984**	61	1933	0.69	1984
Oct 17	77	96	1988	60	1892	51	38	1984**	61	1974	0.42	1914
Oct 18	77	94	1988	59	1984	51	39	1905	60	1988	0.42	1958
Oct 19	77	91	1991**	55	1908	51	43	1949**	59	2007	0.82	2004
Oct 20	76	92	2003	58	1961**	51	37	1949**	62	1966**	0.83	2004
Oct 21	76	93	2003	59	1985	51	39	1949	60	1982**	1.94	1899
Oct 22	76	89	1988**	56	1897	51	40	1914	62	1982	1.13	1973
Oct 23	74	90	1965	56	1897	51	41	1961	62	1982	1.17	1897
Oct 24	75	91	1959	57	1962	50	37	1956	60	1959	0.94	1951
Oct 25	75	89	1965	57	1919	50	40	1900	61	1917	1.18	1979
Oct 26	74	91	2003	59	2000	50	39	1939	60	1901	1.02	1950
Oct 27	73	90	2003	56	1922	49	40	1921	60	1987	1.00	1901
Oct 28	72	89	2003	57	1971	49	34	1946	60	1987	1.09	1981
Oct 29	71	84	1965	57	1996	49	37	1916	60	1983	0.79	1992
Oct 30	70	84	1993**	55	1927	48	34	1935	61	1983	0.95	1945
Oct 31	70	86	1966	56	2003**	48	38	1971**	61	1983	0.63	1944

MONTHLY SUMMARY

Max Extreme 102 Oct 06 1987*

Low Max 49 Oct 16 1984

Average Max 79.2

Max Pcpn 3.63 Oct 13 1962

Min Extreme 34 Oct 30 1935*

High Min 70 Oct 09 1899

Average Min 53.6

Average Temperature 66.4

*Also occurred prior dates in month

**Also occurred prior years

SACRAMENTO CLIMATE
MONTH: NOVEMBER

	Normal Max	Record Max	Record Max Year	Record Low Max	Record Low Max Year	Normal Min	Record Min	Record Min Year	Record High Min	Record High Min Year	Greatest Pcpn	Grtst Pcpn Year
Nov 01	70	86	1997**	50	1935	47	36	1920	60	1992	1.78	2008
Nov 02	70	86	1966	53	1935	48	36	1936	57	1988**	0.71	1968
Nov 03	70	85	1976	52	1935	47	35	1935	58	1988**	0.89	1979
Nov 04	70	84	1980	52	1918	48	30	1935	58	1941	1.37	1970
Nov 05	69	85	1976	52	1973**	48	34	1935	59	1891	1.29	1994
Nov 06	69	84	1976	53	1922	47	35	1920	56	1913	1.40	1966
Nov 07	69	83	1931	53	1920	47	36	1897**	58	1973	1.40	2002
Nov 08	68	82	1955	53	1942**	47	34	1897	58	1970**	0.98	1954
Nov 09	67	83	1976**	50	1982	47	36	1920	57	1976**	1.28	1924
Nov 10	66	80	1990**	47	1920	46	35	1946	59	1976	1.64	1983
Nov 11	66	79	1990	46	1985	46	31	1911	59	2001	0.81	2004
Nov 12	65	81	1990	49	1985**	45	30	1938	57	1981	1.83	1981
Nov 13	65	78	1995	46	1955	45	30	1985**	56	1981**	2.25	1981
Nov 14	64	78	2008	48	2008	45	30	1916	57	1981	0.87	1934
Nov 15	63	80	1923	48	1994**	44	32	1916	59	1981	1.27	1954
Nov 16	63	77	2008	46	1982**	44	34	1916	58	1981	1.33	1950
Nov 17	63	84	1932	49	1955	44	30	1958	56	1966**	1.25	1987
Nov 18	63	78	1932	51	1946	44	32	1921**	60	1996	1.74	1950
Nov 19	62	77	1932	47	1922	44	30	1985	58	1966	1.39	1966
Nov 20	62	78	1932	45	1985	44	30	1985	62	1950	1.33	1903
Nov 21	61	74	1936	49	1977	43	31	1985**	59	1903	2.32	1900
Nov 22	61	75	1959	48	1918**	43	32	1931	57	1996**	1.06	1978
Nov 23	61	80	1930	45	1985	43	28	1931	58	1981**	1.59	1896
Nov 24	61	73	1959	44	1985	42	30	1931	56	1909	2.27	1985
Nov 25	60	75	1995**	44	1908	42	31	1952	54	1970	1.09	1989
Nov 26	60	76	1923	46	1931	42	32	1952	55	1901	1.06	1997
Nov 27	60	72	1959	45	1960	42	31	1887**	53	1923**	1.18	1984
Nov 28	59	71	1932	46	1972	42	30	1952	58	1932	2.20	1970
Nov 29	59	71	1929	47	1967**	42	31	1952	56	1901	1.28	1970
Nov 30	59	71	1995	46	1919	42	31	1936	55	1926	1.23	1973

MONTHLY SUMMARY

Max Extreme	86	Nov 02	1966*	**Min Extreme**	27	Nov 28	1880	
Low Max	44	Nov 25	1908*	**High Min**	62	Nov 20	1950	
Average Max	64.2			**Average Min**	45.9			**Average Temperature** 55.1
Max Pcpn	3.26	Nov 30	1892					

*Also occurred prior dates in month

**Also occurred prior years

SACRAMENTO CLIMATE
MONTH: DECEMBER

	Normal Max	Record Max	Record Max Year	Record Low Max	Record Low Max Year	Normal Min	Record Min	Record Min Year	Record High Min	Record High Min Year	Greatest Pcpn	Grtst Pcpn Year
Dec 01	59	71	1959	44	1972	42	32	2004**	54	1966	1.70	1952
Dec 02	58	69	1959	44	1972	42	30	1906	56	1941	1.23	1941
Dec 03	58	71	1958	43	1971	42	31	2004	55	1901	2.00	1890
Dec 04	57	71	1958	43	1909	41	29	1909	54	1995	0.79	1994
Dec 05	57	72	1979	44	1963	41	32	1972	55	1995	0.75	1966
Dec 06	56	70	1989	43	1948**	41	28	2009	55	2003	0.96	1950
Dec 07	56	68	1979**	42	1965	41	28	1891	53	1995**	1.32	1997
Dec 08	56	71	1988**	38	1972	41	27	2009	55	1950	1.23	1909
Dec 09	55	69	1893	37	1972	41	23	1932	58	1939	1.87	1954
Dec 10	56	68	1958	35	1932	41	22	1932	57	1937	1.92	1937
Dec 11	55	71	1958	34	1932	40	17	1932	54	1996**	2.27	1995
Dec 12	54	71	1958	38	1972	40	21	1932	57	1996	1.09	1922
Dec 13	54	71	1988	42	1961	40	23	1932	56	1929	1.73	1915
Dec 14	54	69	1958	32	1972	40	23	1940	56	1981	0.94	1941
Dec 15	54	72	1958	36	1972	40	26	1932	56	1929	1.56	1929
Dec 16	54	70	1958	40	1890	39	26	1892	54	1962	0.95	2002
Dec 17	54	69	1958	40	1890	39	28	1928	51	1962	0.84	1977
Dec 18	53	68	1958	40	1963	39	28	1924**	50	1981	1.66	2005
Dec 19	52	71	1999	37	1908	39	25	1924	54	1981	2.40	1955
Dec 20	52	66	1981	36	1908	40	27	1928	57	1969	1.17	1969
Dec 21	52	66	1999	34	1990	39	22	1990	57	1964	2.37	1940
Dec 22	52	67	1999	36	1928	39	18	1990	58	1964	1.94	1955
Dec 23	52	66	1964	32	1928	39	21	1990	58	1964	1.31	1955
Dec 24	52	66	2005	38	1899	39	23	1990	56	2005	2.21	1983
Dec 25	51	64	1967	38	1992**	39	26	1891**	55	2005	1.42	1940
Dec 26	52	65	1967	37	1899	39	26	1924	55	1892**	1.58	1955
Dec 27	52	68	1953	37	1988	40	29	1956	54	2002	1.95	1931
Dec 28	52	72	1967	37	1899	39	26	1930	54	1973	1.25	1992
Dec 29	52	66	1989**	38	1908	39	28	1930	54	1996	1.46	1933
Dec 30	52	61	1999**	38	1929**	39	28	1990**	57	1996	1.32	1913
Dec 31	51	67	1996**	39	1925	39	24	1915	59	1996	3.34	1890

MONTHLY SUMMARY

Max Extreme 72 Dec 28 1967*

Low Max 32 Dec 23 1972*

Average Max 55

Max Pcpn 3.34 Dec 31 1890

Min Extreme 17 Dec 11 1932

High Min 59 Dec 31 1996

Average Min 40.4

Average Temperature 47.7

*Also occurred prior dates in month

**Also occurred prior years

IV. TEMPERATURE RECORDS

HIGHEST AND LOWEST AVERAGE MAXIMUM TEMPERATURE BY MONTH AND YEAR OF OCCURRENCE

(July 1877 – August 2010)

Month	Normal* Monthly Maximum	Highest Average Maximum	Year	Lowest Average Maximum	Year
January	55.1	62.1	1976	45.9	1937
February	62.2	68.1	1991	52.1	1887
March	67.0	75.4	2004	56.7	1897
April	73.9	80.8	1987	60.2	1967
May	81.6	91.7	2001	68.6	1915
June	88.8	94.6	1985	76.3	1884
July	93.8	99.6	1988	84.4	1903
August	92.5	97.8	1967	81.9	1899
September	88.6	94.0	1984	77.9	1930
October	79.2	84.8	1991	68.6	1882
November	64.2	72.7	1995	57.8	1882
December	55.0	63.0	1958	46.8	1924

HIGHEST AND LOWEST AVERAGE MINIMUM TEMPERATURE BY MONTH AND YEAR OF OCCURRENCE

(July 1877 - August 2010)

Month	Normal* Monthly Minimum	Highest Average Minimum	Year	Lowest Average Minimum	Year
January	41.3	48.2	1995	30.4	1949
February	44.7	49.1	1963	36.4	1880
March	47.1	51.8	1993	38.9	1880
April	49.5	53.9	1926	42.3	1929
May	54.1	59.2	1997	47.2	1899
June	58.4	63.8	1981	52.1	1910
July	60.9	66.4	2006	54.3	1887
August	60.8	63.9	1998	53.5	1911
September	59.0	62.1	1997	52.0	1910
October	53.6	56.7	1992	46.2	1916
November	45.9	50.8	1981**	38.0	1880
December	40.4	46.6	1950	33.4	1932

- Climatological Normals from the years 1971-2000.
- ** Also occurred earlier years.

HIGHEST AND LOWEST MONTHLY AVERAGE TEMPERATURES

(July 1877 – August 2010)

		Highest Monthly Average Temperature		Lowest Monthly Average Temperature	
	Normal*	Temp	Year	Temp	Year
JANUARY	48.2	53.2	1995	38.7	1937
		52.6	1986	40.6	1922
		51.9	2003**	41.2	1929
		51.8	1953	41.8	1883
		51.7	1970	42.0	1926**
FEBRUARY	53.5	57.6	1991**	44.8	1887
		56.9	1992	45.5	1903
		56.0	1996	45.7	1880
		55.9	1986**	46.6	1949
		55.6	1981	46.9	1911
MARCH	57.1	62.5	2004	49.2	1880
		61.5	1934	49.4	1897
		61.1	1997	50.4	1935
		61.0	1993	50.8	1948**
		60.9	1986	50.9	1907
APRIL	61.7	65.9	1966	52.2	1967
		65.8	1992**	53.3	1896
		65.7	1990	54.0	1929
		64.7	1997	54.3	1912
		64.5	2004	54.7	1948
MAY	67.9	74.7	2001	59.3	1899
		74.5	1997	59.6	1933
		73.8	1992	59.8	1917**
		73.0	1984	60.0	1896
		71.6	1976	60.6	1953
JUNE	73.6	79.2	1981	64.7	1894
		77.5	1985	65.9	1923
		76.4	1974	66.2	1952
		76.1	2006**	66.4	1910**
		76.0	1918	66.5	1906

* Monthly Normals based on Climatological Normals 1971-2000.

** Also occurred earlier years.

HIGHEST AND LOWEST MONTHLY AVERAGE TEMPERATURES

(July 1877 – August 2010)

		Highest Monthly Average Temperature		Lowest Monthly Average Temperature	
	Normal*	Temp	Year	Temp	Year
JULY	77.4	81.9	2006	69.4	1903
		81.7	2005	70.2	1887
		81.6	2003**	70.7	1907
		81.2	1996	71.0	1914
		80.7	1984	71.2	1904
AUGUST	76.7	80.7	1998	68.0	1899
		80.2	1996	68.8	1911
		79.9	1967	69.8	1887
		79.6	1969	70.2	1900
		79.4	1992	70.4	1881
SEPTEMBER	73.8	77.3	1979	65.4	1893
		77.2	1984	65.5	1911
		76.9	1991	65.6	1930
		76.8	1997	66.0	1907
		76.5	1974	66.4	1925
OCTOBER	66.4	70.7	1991	57.7	1881
		70.1	1976	58.2	1916
		69.5	1987**	58.6	1920
		69.0	1992**	58.8	1886**
		68.9	1990	59.0	1883
NOVEMBER	55.1	61.6	1995	49.4	1880
		59.2	1976	49.6	1882
		59.0	1932	49.8	1994
		58.7	1997	50.2	1881
		58.6	1926	50.4	2000**
DECEMBER	47.7	52.6	1958	41.5	1932
		52.4	1996	42.1	1908
		52.3	1995	42.2	1924
		51.3	1976	42.5	1963
		51.1	1969	42.6	1985

* Monthly Normals based on Climatological Normals 1971-2000.

** Also occurred earlier years.

WARMEST AND COLDEST SEASONAL TEMPERATURES

(December 1877 – August 2010)

WINTER

(December - February)

Average = 49.8*

Warmest Temp	Year	Coldest Temp	Year
52.7	1995-96	42.9	1948-49
52.6	1969-70	43.6	1932-33
52.4	1996-97	44.0	1936-37
52.2	1979-80	44.1	1879-80
52.1	1975-76	44.9	1928-29
51.7	2005-06	45.1	1909-10
51.7	2002-03	45.2	1954-55
51.7	1980-81	45.2	1882-83
51.4	1994-95	45.3	1902-03
51.2	1997-98	45.5	1916-17

SPRING

(March - May)

Average = 62.2*

Warmest Temp	Year	Coldest Temp	Year
66.8	1997	55.4	1907
66.4	1992	55.5	1948
65.2	2004	56.1	1917
65.0	1984	56.2	1902
64.7	1934	56.2	1896
64.5	2001	56.4	1912
64.0	1996	56.7	1963
64.0	1987	57.0	1911
63.9	1966	57.1	1893
63.6	1931, 2007	57.2	1906

*Averages based on Climatological Normals 1971-2000

WARMEST AND COLDEST
SEASONAL TEMPERATURES
(December 1877 - August 2010)

SUMMER
(June - August)
Average = 75.9*

Warmest		Coldest	
Temp	Year	Temp	Year
79.0	1996	69.3	1907
77.8	1981	69.6	1911
77.7	2006	69.8	1914
77.7	2003	70.2	1910
77.5	1988	70.3	1887
77.4	1974	70.4	1899
77.3	2005	70.5	1905
77.1	2002	70.5	1881
77.0	1990	70.5	1880
77.0	1984	70.6	1909

FALL
(September - November)
Average = 65.1*

Warmest		Coldest	
Temp	Year	Temp	Year
68.5	1991	59.0	1881
68.3	1995	59.0	1920
68.2	1976	59.4	1882
67.2	1997	59.6	1916
66.9	1990	59.7	1893
66.7	1992	60.1	1886
66.7	1974	60.1	1931
66.6	1979	60.3	1880
66.5	1983	60.3	1911
66.4	1988	60.4	1897

*Averages based on Climatological Normals 1971-2000

HIGHEST AND LOWEST ANNUAL TEMPERATURE
(1878-2010)

Average Annual Temperature 63.3*

Highest Annual Average Temp	Year	Lowest Annual Average Temp	Year
65.6	1997	58.1	1880
65.3	1996	58.4	1911
65.1	1976	58.8	1893
64.8	1992	59.2	1902
64.7	1981	59.3	1912
64.5	1995	59.3	1919

*Averages based on Climatological Normals 1971-2000

GREATEST NUMBER OF CONSECUTIVE DAYS WITH MAXIMUM TEMPERATURES 90 DEGREES OR HIGHER

(July 1877 – August 2010) *Only periods with 18 or more days tabulated.*

Days	Period	Year	Days	Period	Year
40	July 13 – August 21	1992	20	July 18 – August 6	2000
35	July 24 – August 27	1967	20	July 15 – August 3	1959
29	June 23 – July 21	2002	20	September 8 – 27	1899
29	June 22 – July 20	1984	19	August 2 - 20	1994
25	July 17 – August 10	1974	19	July 26 – August 13	1990
24	July 25 – August 17	1969	19	August 27 – Sept. 14	1948
23	July 26 – August 17	1983	18	August 22 – Sept. 8	1988
22	July 15 –July 6	1981	18	June 23 – July 10	1985
22	July 7 – 28	1961	18	August 25 – Sept. 11	1981
21	July 12 – August 1	1988	18	July 19 – Aug 5	1945
21	July 29 – August 18	1971	18	June 19 - July 6	1929
21	July 29 – August 18	1920			

GREATEST NUMBER OF NON-CONSECUTIVE DAYS WITH MAXIMUM TEMPERATURES 90 DEGREES OR HIGHER IN ONE MONTH

(July 1877 - August 2010) *Only periods with 26 or more days tabulated.*

Days	Period	Days	Period
30	August 1967	27	July 1996
29	August 1994	27	August 1985
29	July 1988	27	August 1931
28	July 2005	27	July 1970
28	July 2003	27	July 1967
28	July 2002	27	August 1958
28	July 1997	26	August 1998
28	August 1969	26	August 1992
28	July 1969	26	July 1984
28	July 1953	26	July 1981
28	July 1945	26	August 1966

GREATEST NUMBER OF CONSECUTIVE DAYS WITH MAXIMUM TEMPERATURES 100 DEGREES OR HIGHER

(July 1877 - August 2010) *Only periods with 6 or more days tabulated.*

Days	Period	Year	Days	Period	Year
11	July 16-26	2006	6	July 14-19	1998
9	August 8-16	1996	6	August 15-20	1992
9	July 10-18	1984	6	July 30-August 4	1986
9	June 19-27	1981	6	July 1-6	1985
9	August 1-9	1966	6	August 28-September 2	1976
8	August 27-September 3	1998	6	July 16-21	1960
8	August 4-11	1990	6	June 28-July 3	1950
8	June 9-16	1985	6	September 5-10	1944
7	July 16-22	2003	6	August 3-8	1936
7	August 8-14	2002	6	September 19-24	1936
7	July 21-27	1980	6	September 4-9	1923
7	August 12-18	1967	6	June 15-20	1917
7	June 20-26	1929	6	July 4-9	1905
7	June 29-July 5	1929	6	July 25-30	1898
7	August 10-16	1920	6	August 9-14	1898
6	July 14-19	2009			
6	July 12-17	2005	6	September 6-11	1888
6	August 1-6	1998			

GREATEST NUMBER OF NON-CONSECUTIVE DAYS WITH MAXIMUM TEMPERATURES 100 DEGREES OR HIGHER IN ONE MONTH

(July 1877 - August 2010) *Only occurrences of 10 more days tabulated*.

Days	Period	Days	Period
17	July 2003	12	June 1981
17	July 1988	12	August 1967
16	August 1998	12	August 1966
16	July 1984	11	August 2005
16	July 1931	11	August 2002
15	July 2005	11	July 1980
15	August 1996	11	July 1979
14	July 1996	11	July 1933
14	August 1969	10	August 1988
13	July 2006	10	June 1985
13	August 1992	10	July 1936
13	July 1985		

GREATEST NUMBER OF CONSECUTIVE DAYS WITH MAXIMUM TEMPERATURES 105 DEGREES OR HIGHER

(July 1877 - August 2010) *Only periods with 3 or more days tabulated.*

Days	Period	Year	Days	Period	Year
7	August 5-11	1990	3	July 25-27	1980
6	August 9-14	1996	3	August 30-Sept. 1	1976
6	June 11-16	1985	3	June 24-26	1925
5	August 11-16	1920	3	July 24-26	1975
4	July 22-25	2006	3	June 14-16	1961
4	August 9-12	2002	3	July 17-19	1961
4	August 31- September 3	1998	3	July 19-21	1960
4	July 16-19	1988	3	June 23-25	1957
4	July 1-4	1984	3	September 2-4	1955
4	July 12-15	1972	3	August 18-20	1950
4	June 29 - July 2	1950	3	July 27-29	1943
4	September 1-4	1950	3	July 15-17	1935
4	June 29 - July 2	1934	3	July 25-27	1933
4	August 10-13	1898	3	August 11-13	1933
3	July 14 - 16	2005	3	July 3-5	1931
3	August 3-5	1998	3	June 23-25	1929
3	July 2-4	1991	3	July 14-16	1926
3	July 8-10	1988	3	June 24 - 26	1925
3	September 3-5	1988	3	Sept. 6 – 8	1923
3	August 7-9	1984			

GREATEST NUMBER OF NON-CONSECUTIVE DAYS WITH MAXIMUM TEMPERATURES 105 DEGREES OR HIGHER IN ONE MONTH

(July 1877 – August 2010) *Only months with 4 or more days tabulated.*

Days	Period	Days	Period
10	July 1988	5	August 1966
7	August 1996	5	July 1961
7	August 1990	5	July 1933
7	July 1984	5	August 1923
7	July 1931	5	August 1920
6	July 2006	4	July 2005
6	July 2003	4	August 2002
6	August 1998	4	August 1978
6	July 1996	4	July 1972
6	July 1985	4	July 1960
6	June 1985	4	September 1950
6	June 1961	4	July 1935
5	August 1987	4	August 1913
		4	August 1898

RECORD NUMBER OF DAYS PER YEAR WITH MAXIMUM TEMPERATURES 90, 100 and 105 DEGREES OR HIGHER
(July 1877 – August 2010)

90 OR HIGHER[1]		100 OR HIGHER[2]		105 OR HIGHER[3]	
Days	Year	Days	Year	Days	Year
110	1984	41	1988	18	1988
104	2002,1992,1988	38	1996, 1984	15	1996
103	1974	36	2002	14	1984
101	1997	33	1987	13	1998, 1990
99	2001	31	2003	11	1985, 1961, 1950
96	1996	30	1936	9	2002, 1987, 1931
95	1967	27	2005, 1981	8	2003, 1933
94	2003, 1970	26	1985	7	2006
92	1981, 1966	24	1967, 1966	6	1972, 1966, 1960, 1935, 1934
91	1987	23	1976, 1969, 1950, 1931, 1929	5	2005, 1995, 1981,1978, 1976, 1936,1929, 1925, 1923, 1891
89	2004,1991,1990, 1969	22	1990, 1979, 1961		
		21	2001, 1995, 1992, 1970 1960, 1939		
		20	1993, 1986, 1933,1888		

Earliest date of 90 or higher…….March 26, 1988
Latest date of 90 or higher……October 27, 2003

Earliest date of 100 or higher……May 4, 1990
Latest date of 100 or higher……..October 10, 1991

Earliest date of 105 or higher……May 7, 1987
Latest date of 105 or higher…….. September 17, 1984

---

[1] *Only years with 89 or more days tabulated*

[2] *Only years with 20 or more days tabulated*

[3] *Only years with 5 or more days tabulated*

AVERAGE NUMBER DAYS PER MONTH/YEAR
WITH MAXIMUM TEMPERATURES
90, 100 AND 105 DEGREES OR HIGHER
(1971 - 2000)

Month	90 or Above	100 or Above	105 or Above
April	1	0	0
May	7	1	0
June	14	4	1
July	23	7	2
August	20	6	2
September	15	3	0
October	4	--	0
Annual Average	84 Days	22 Days	5 Days

– Less than one day
* Averages based on Climatological Normals 1971-2000

GREATEST NUMBER OF CONSECUTIVE DAYS WITH MINIMUM TEMPERATURES 32 DEGREES OR LOWER

(December 1877 - August 2010) *Only periods with 6 or more days tabulated.*

Days	Period	Days	Period
13	December 20, 1990 - January 1, 1991	7	January 18-24, 1922
10	December 29, 1960 - January 7, 1961	7	January 5-11, 1913
10	December 21-30, 1930	6	December 20-25, 1998
10	December 15-24, 1928	6	December 29, 1959 - January 3, 1960
10	December 27, 1918 - January 5, 1919	6	January 2-7, 1950
9	December 15-23, 1965	6	January 6-11, 1937
9	December 25, 1962 - January 2, 1963	6	January 10-15, 1926
9	January 23-31, 1949	6	January 15-20, 1917
9	February 2-10, 1883	6	December 17-22, 1908
8	December 10-17, 1985	6	January 9-14, 1898
8	December 8-15, 1972	6	January 6-11, 1888
8	January 11-18, 1963	6	January 13-18, 1888
8	January 8-15, 1949	6	January 18-23, 1883
8	January 7-14, 1929	6	February 2-9, 1883
8	February 7-14, 1884	6	December 10-15, 1883
7	December 9-15, 1932	6	January 27 - February 1, 1880
7	January 1-7, 1924	6	December 14-19, 1878

GREATEST NUMBER OF NON-CONSECUTIVE DAYS WITH MINIMUM TEMPERATURES 32 DEGREES OR LOWER IN ONE MONTH

(July 1877 – August 2010) *Only months with occurrences of 11 or more days tabulated.*

Days	Period	Days	Period
24	January 1949	13	January 1922
17	January 1947	13	January 1888
16	January 1963	13	January 1883
16	January 1898	12	November 1880
14	December 1930	12	December 1956
14	December 1878	12	December 1898
14	January 1937	11	January 1929
13	December 1990	11	December 1949
13	February 1883	11	December 1918

NUMBER OF DAYS WITH TEMPERATURES 32 DEGREES OR LOWER IN ONE YEAR

(1878-2010)

Least Number of Days		Greatest Number of Days	
Days	Year	Days	Year
0	1885, 1904, 1934, 1976, 1981 1983, 1995, 1996, 2005	39	1949
		27	1883, 1898
1	1881, 1892, 1900, 1907, 1966 1974, 1977, 1980, 1991, 1992 1994, 1997	22	1947
		19	1985
		18	1880, 1963
2	1909, 1915, 1925, 1973, 1979 1982, 1984, 1986, 2001, 2006	17	1962
		16	1922, 1987, 1989
		15	1878, 1929, 1950, 1956, 1990

AVERAGE NUMBER DAYS PER MONTH/YEAR WITH MINIMUM TEMPERATURES 32 DEGREES OR LOWER

Month	32 Degrees or Less
January	1.4
February	0.4
March	--
April	0
October	0
November	0.2
December	2.7
Annual	4.7

-- Number of days greater than 0, but less than .05
*Averages based on Climatological Normals 1971-2000

FREEZE DATA

(January 1881 – August 2010)

Latest Date in Spring	Earliest Date in Fall
March 27, 1898	November 4, 1935

LONGEST FREEZE-FREE PERIODS

Days	Period
765	December 9, 1994 - January 13, 1997
743	December 15, 1980 - December 29, 1982
732	January 2, 1991 - January 2, 1993
720	January 1, 1983 - December 21, 1984
712	January 2, 1979 - December 13, 1980
689	February 11, 1933 - December 31, 1934

SHORTEST FREEZE-FREE PERIOD

Days	Period
241	March 28, 1898 - November 23, 1898

V. PRECIPITATION RECORDS

MAXIMUM AND MINIMUM PRECIPITATION BY MONTH
WITH YEAR OF OCCURRENCE
(July 1849- August 2010)

		Maximum Monthly Precipitation			
	Normal	Amount	Year	Amount	Year
JANUARY	4.18	15.04	1862	0.07	2007
		12.72	1911	0.15	1889
		12.35	1995	0.23	1984
		9.76	1896	0.29	1920
		9.65	1909	0.37	1991**
FEBRUARY	3.77	10.30	1986	0.04	1899
		9.43	1998	0.09	1896
		9.25	1940	0.12	1852
		9.13	1958	0.16	1913
		8.93	2000	0.19	1995**
MARCH	3.15	10.00	1850	0.03	1956
		8.45	1906	0.04	1898
		8.30	1983	0.05	1926
		8.14	1864	0.07	1994
		7.84	1995	0.08	1885
APRIL	1.17	14.20	1880	T*	1949**
		5.81	1935	0.03	1933
		5.34	1896	0.05	1931
		4.76	1941	0.06	1946**
		4.58	1942	0.08	1945**
MAY	0.60	3.25	1889	0.00	2001
		3.04	1998*	and 11 other years prior	
		2.88	1900		
		2.85	1883		
		2.75	1915		
JUNE	0.18	1.45	1884	0.00	2007
		1.10	1875	and many years prior	
		1.02	1929		
		0.85	1907		
		0.69	2005		

* T is less than 0.01 inch.
** Also occurred earlier years.
– Normals are based on the Climatological Normals 1971-2000.

MAXIMUM AND MINIMUM PRECIPITATION BY MONTH
WITH YEAR OF OCCURRENCE
(July 1849 - August 2010)

		Maximum Monthly Precipitation		Minimum Monthly Precipitation	
	Normal	Amount	Year	Amount	Year
JULY	0.05	0.90	1974	0.00	2006
		0.63	1860	and several years prior	
		0.55	1861		
		0.31	1980		
		0.22	1979		
AUGUST	0.05	0.67	1953	0.00	2006
		0.59	1965	and several years prior	
		0.57	1976		
		0.37	1989		
		0.35	1954		
SEPTEMBER	0.37	3.62	1904	0.00	2003
		3.58	1918	and several years prior	
		3.15	1989		
		1.93	2004		
		1.54	1982*		
OCTOBER	1.00	6.85	1962	0.00	2002
		6.02	1889	and several years prior	
		4.46	1899		
		3.45	1876		
		3.01	1858		
NOVEMBER	2.59	11.34	1885	0.00	1995
		7.44	1970	and 4 other years prior	
		7.13	1981		
		6.72	1864		
		6.69	1973		
DECEMBER	2.76	13.40	1852	0.00	1989**
		12.85	1867	0.03	1999
		12.50	1849	0.22	1956
		12.20	1955	0.23	1912
		11.81	1880	0.30	1975

* Also occurred earlier years.

– Normals are based on the Climatological Normals 1971-2000.

Note - Prior to the establishment of the Signal Corps Station July 1, 1877, precipitation records were taken as early as 1849 by Dr. F.M. Hatch, retired Army Surgeon, and his associate, Dr. T.M. Logan. Their records are believed reliable.

MONTHLY, ACCUMULATIVE AND SEASON PRECIPITATION TOTALS
(Rainfall Season July 1 - June 30)

Season	Jul	Aug	Sep	Oct	Nov		Pcpn to Dec 31	Jan	Feb	Mar	Apr	May	Jun	Total Pcpn
Normal*	0.05	0.05	0.37	1.00	2.59	2.76	6.82	4.18	3.77	3.15	1.17	0.60	0.18	19.87
1849-50	0.00	0.00	0.25	1.50	2.25	12.50	16.50	4.50	0.50	10.00	4.25	0.25	0.00	36.00
1850-51	0.00	0.00	0.14	0.05	0.69	2.67	3.55	0.65	0.35	1.88	1.14	0.69	0.00	8.26
1851-52	0.00	0.00	1.00	0.18	2.14	7.07	10.39	0.58	0.12	6.40	0.19	0.30	0.00	17.98
1852-53	0.00	0.00	T	0.00	6.00	13.40	19.40	3.00	2.00	7.00	3.50	1.45	T	36.35
1853-54	T	0.00	T	T	1.50	1.54	3.04	3.25	8.50	3.25	1.50	0.21	0.31	20.06
1854-55	0.00	T	T	1.01	0.65	1.15	2.81	2.67	3.46	4.20	4.32	1.15	0.01	18.62
1855-56	0.00	0.00	T	0.00	0.75	2.00	2.75	4.92	0.69	1.40	2.13	1.84	0.03	13.76
1856-57	0.00	0.00	T	0.20	0.65	2.40	3.25	1.38	4.80	0.68	T	T	0.35	10.46
1857-58	0.00	T	0.00	0.66	2.41	2.63	5.70	2.44	2.46	2.88	1.21	0.20	0.10	14.99
1858-59	0.01	T	T	3.01	0.15	4.34	7.51	0.96	3.91	1.64	0.98	1.04	0.00	16.04
1859-60	0.00	0.00	0.02	0.00	6.48	1.83	8.33	2.31	0.93	5.11	2.87	2.49	0.02	22.06
1860-61	0.63	0.00	0.06	0.91	0.18	4.28	6.06	2.67	2.92	3.32	0.48	0.59	0.14	16.18
1861-62	0.55	0.00	0.00	T	2.17	8.64	11.36	15.04	4.26	2.80	0.82	1.81	0.01	36.10
1862-63	0.00	0.01	0.00	0.36	T	2.33	2.70	1.73	2.75	2.36	1.69	0.36	0.00	11.59
1863-64	0.00	0.00	T	0.00	1.49	1.82	3.31	1.08	0.19	1.30	1.08	0.74	0.09	7.79
1864-65	0.00	0.08	T	0.12	6.72	7.87	14.79	4.78	0.71	0.48	1.37	0.46	0.00	22.59
1865-66	T	0.00	0.08	0.48	2.43	0.36	3.35	7.70	2.01	2.02	0.48	2.25	0.10	17.91
1866-67	0.02	0.00	0.00	T	2.43	9.51	11.96	3.44	7.10	1.01	1.80	0.01	0.00	25.32
1867-68	0.00	0.00	0.01	0.00	3.81	12.85	16.67	6.04	3.15	4.35	2.31	0.27	T	32.79
1868-69	0.00	0.00	0.00	0.00	0.77	2.61	3.38	4.79	3.63	2.94	1.24	0.65	0.01	16.64
1869-70	0.00	0.00	T	2.12	0.85	1.96	4.93	1.37	3.24	1.64	2.12	0.27	T	13.57
1870-71	T	T	0.00	0.02	0.58	0.97	1.57	2.08	1.92	0.69	1.45	0.76	T	8.47
1871-72	0.00	0.00	T	0.21	1.22	10.59	12.02	4.04	4.74	1.94	0.61	0.28	0.02	23.65
1872-73	0.00	0.00	T	0.22	1.93	5.39	7.54	1.23	4.36	0.55	0.51	0.00	T	14.19
1873-74	0.02	T	0.00	0.31	1.21	10.01	11.55	5.20	1.86	3.05	0.89	0.37	T	22.92
1874-75	T	0.00	0.05	2.26	3.80	0.44	6.55	8.70	0.55	0.80	T	T	1.10	17.70
1875-76	0.00	0.00	0.00	0.44	6.20	5.52	12.16	4.99	3.75	4.15	1.10	0.15	0.00	26.30
1876-77	0.21	0.02	T	3.45	0.30	0.00	3.98	2.77	1.04	0.56	0.19	0.64	0.01	9.19
1877-78	0.00	0.00	0.00	0.73	1.07	1.43	3.23	9.26	8.04	3.09	1.07	0.17	0.00	24.86
1878-79	0.00	0.00	0.29	0.55	0.51	0.47	1.82	3.18	3.88	4.88	2.66	1.30	0.13	17.85
1879-80	T	T	0.00	0.88	2.05	3.41	6.34	1.64	1.83	1.70	14.20	0.76	0.00	26.47

*Normal precipitation is for the period 1971-2000.

MONTHLY, ACCUMULATIVE AND SEASON PRECIPITATION TOTALS
(Rainfall Season July 1 - June 30)

Season	Jul	Aug	Sep	Oct	Nov	Dec	Pcpn to Dec 31	Jan	Feb	Mar	Apr	May	Jun	Total Pcpn
Normal*	0.05	0.05	0.37	1.00	2.59	2.76	6.82	4.18	3.77	3.15	1.17	0.60	0.18	19.87
1880-81	T	0.00	0.00	0.00	0.05	11.81	11.86	6.14	5.06	1.37	1.64	T	0.50	26.57
1881-82	T	0.00	0.30	0.55	1.88	3.27	6.00	1.89	2.40	3.78	1.99	0.35	0.10	16.51
1882-83	T	0.00	0.57	2.63	3.22	1.13	7.55	2.23	1.11	3.70	0.67	2.85	0.00	18.11
1883-84	0.00	0.00	0.90	0.97	0.61	0.44	2.92	3.43	4.46	8.14	4.42	0.06	1.45	24.78
1884-85	0.00	T	0.60	2.01	0.00	10.45	13.06	2.16	0.49	0.08	0.68	T	0.11	16.58
1885-86	T	0.00	0.08	0.02	11.34	5.76	17.20	7.95	0.29	2.68	4.08	0.07	0.00	32.27
1886-87	0.00	0.00	0.00	0.68	0.21	2.21	3.10	1.12	6.28	0.94	2.53	0.00	0.00	13.97
1887-88	0.00	T	0.02	0.00	0.45	2.09	2.56	4.81	0.57	3.04	0.10	0.40	0.08	11.56
1888-89	T	T	0.55	0.00	4.28	4.63	9.46	0.15	0.33	6.25	0.26	3.25	0.25	19.95
1889-90	0.00	0.00	0.00	6.02	3.15	7.82	16.99	6.62	4.06	3.00	1.33	1.80	0.00	33.80
1890-91	0.00	T	0.80	T	0.00	3.34	4.14	0.53	6.61	1.78	2.04	0.66	0.05	15.81
1891-92	T	0.00	0.10	0.10	0.48	3.28	3.96	1.78	2.84	3.02	1.20	2.38	T	15.18
1892-93	0.00	0.00	0.18	0.70	6.60	4.90	12.38	3.27	2.66	3.51	1.08	1.05	0.00	23.95
1893-94	T	0.00	0.22	0.12	2.92	1.76	5.02	4.17	3.92	0.74	0.34	1.70	0.46	16.35
1894-95	T	T	0.88	1.06	0.48	8.86	11.28	8.42	1.84	1.20	0.86	0.51	0.00	24.11
1895-96	0.04	T	1.26	0.17	1.54	1.54	4.55	9.79	0.09	2.57	5.34	0.92	0.00	23.23
1896-97	T	0.20	0.31	0.55	3.56	1.76	6.38	3.66	4.15	2.54	0.25	0.30	0.04	17.32
1897-98	0.00	0.01	0.16	1.96	0.61	1.64	4.38	0.98	3.19	0.04	0.28	1.50	0.14	10.51
1898-99	0.00	0.00	0.36	0.64	0.61	2.30	3.91	3.94	0.04	6.02	0.10	0.54	0.49	15.04
1899-00	0.00	0.02	0.00	4.46	2.62	2.91	10.01	3.54	0.32	1.61	1.88	2.88	0.00	20.24
1900-01	T	0.00	0.06	1.74	4.50	1.38	7.68	3.70	5.32	0.48	2.23	0.80	0.00	20.21
1901-02	T	T	0.56	1.56	2.68	1.19	5.99	0.95	6.52	1.99	1.36	0.45	0.01	17.27
1902-03	0.00	T	0.00	1.67	2.02	2.91	6.60	3.05	1.70	4.81	0.46	T	T	16.62
1903-04	0.00	0.00	0.00	0.12	3.44	1.12	4.68	0.45	5.26	5.43	1.02	0.03	T	16.87
1904-05	T	0.07	3.62	1.86	2.05	1.20	8.80	3.33	2.47	3.75	1.18	2.45	0.00	21.98
1905-06	0.00	T	0.03	0.00	1.20	0.56	1.79	6.63	3.02	8.45	1.21	2.24	0.59	23.93
1906-07	0.00	T	0.20	T	0.99	7.37	8.56	4.63	2.37	7.28	0.25	0.10	0.85	24.04
1907-08	0.00	0.00	T	1.20	0.04	3.33	4.57	3.84	2.75	0.42	0.08	0.54	T	12.20
1908-09	T	0.00	0.05	0.26	1.23	2.04	3.58	9.65	6.68	1.84	T	T	0.03	21.78
1909-10	0.00	0.00	0.21	1.27	1.32	3.87	6.67	1.48	0.83	3.06	0.11	0.03	T	12.18

*Normal precipitation is for the period 1971-2000.

MONTHLY, ACCUMULATIVE AND SEASON PRECIPITATION TOTALS
(Rainfall Season July 1 -June 30)

Season	Jul	Aug	Sep	Oct	Nov	Dec	Pcpn to Dec 31	Jan	Feb	Mar	Apr	May	Jun	Total Pcpn
Normal*	0.05	0.05	0.37	1.00	2.59	2.76	6.82	4.18	3.77	3.15	1.17	0.60	0.18	19.87
1910-11	T	0.00	0.20	0.28	0.17	1.62	2.27	12.72	1.88	4.30	0.66	0.03	0.12	21.98
1911-12	0.00	0.00	T	0.18	0.15	1.07	1.40	2.74	0.23	1.97	1.69	0.94	0.58	9.55
1912-13	T	0.00	1.25	0.58	0.80	0.23	2.86	2.52	0.16	1.34	0.53	0.51	0.11	8.03
1913-14	T	0.01	T	0.13	4.58	4.40	9.12	5.97	2.96	0.59	0.70	0.50	0.60	20.44
1914-15	0.00	0.00	T	0.82	0.47	3.44	4.73	3.76	4.26	1.20	0.50	2.75	0.00	17.20
1915-16	T	0.01	T	T	0.83	4.42	5.26	9.35	2.45	1.06	0.06	0.10	0.01	18.29
1916-17	0.07	T	0.16	0.79	0.49	3.73	5.24	1.30	4.97	0.70	0.62	0.12	0.00	12.95
1917-18	T	T	0.51	T	0.25	0.45	1.21	0.97	3.36	4.00	1.06	0.01	T	10.61
1918-19	0.00	T	3.58	0.40	1.84	1.70	7.52	1.77	6.29	1.50	0.11	0.01	0.00	17.20
1919-20	T	T	0.53	0.01	0.36	2.22	3.12	0.29	0.81	3.27	1.36	0.00	0.05	8.90
1920-21	0.00	T	0.01	1.29	3.39	4.32	9.01	4.61	0.54	1.45	0.39	0.75	0.05	16.80
1921-22	0.00	0.00	T	0.80	1.09	3.81	5.70	2.16	4.18	1.29	0.40	0.43	T	14.16
1922-23	T	T	0.00	0.72	3.03	6.12	9.87	2.05	0.30	0.43	2.87	0.08	0.09	15.69
1923-24	0.00	T	0.50	0.58	0.62	0.94	2.64	1.80	2.00	1.19	0.30	0.06	0.00	7.99
1924-25	T	T	T	2.10	1.59	3.63	7.32	1.02	4.45	1.14	1.61	2.11	0.05	17.70
1925-26	0.01	0.01	0.02	T	1.13	1.50	2.67	3.20	5.52	0.05	4.25	0.36	0.00	16.05
1926-27	0.00	T	T	2.14	4.48	0.58	7.20	2.30	4.99	1.01	1.47	0.21	0.57	17.75
1927-28	0.00	T	0.01	1.45	1.81	1.55	4.82	1.17	1.38	3.39	0.78	0.02	0.04	11.60
1928-29	T	0.00	T	0.15	2.98	2.66	5.79	0.88	1.44	0.78	0.44	0.04	1.02	10.39
1929-30	T	0.00	0.00	0.15	0.00	4.06	4.21	3.65	1.62	2.86	0.94	0.34	T	13.62
1930-31	0.00	T	0.29	0.47	1.11	0.56	2.43	2.50	1.35	1.14	0.05	0.67	0.29	8.43
1931-32	T	T	T	0.18	1.30	6.84	8.32	1.09	1.76	0.34	0.76	0.30	T	12.57
1932-33	T	0.00	0.00	0.00	0.36	2.11	2.47	2.85	0.95	1.44	0.03	0.30	0.08	8.12
1933-34	T	0.00	0.03	0.66	0.00	5.74	6.43	1.33	2.97	0.13	0.16	0.26	0.30	11.58
1934-35	0.00	T	0.01	0.45	2.61	2.50	5.57	4.81	1.97	2.93	5.81	0.01	0.00	21.10
1935-36	T	T	T	1.22	0.77	2.18	4.17	3.80	8.59	1.33	1.69	0.68	0.27	20.53
1936-37	T	0.00	T	0.35	0.03	2.62	3.00	2.92	6.18	6.37	1.10	0.01	0.18	19.76
1937-38	T	0.00	0.00	0.87	2.69	4.06	7.62	3.50	8.24	3.92	1.51	0.04	T	24.83
1938-39	T	0.00	0.30	1.29	0.88	0.71	3.18	1.91	1.06	2.42	0.25	0.92	T	9.74
1939-40	T	0.00	0.35	0.45	0.07	1.15	2.02	7.98	9.25	4.22	0.68	0.92	T	25.07

*Normal precipitation is for the period 1971-2000.

MONTHLY, ACCUMULATIVE AND SEASON PRECIPITATION TOTALS
(Rainfall Season July 1 - June 30)

Season	Jul	Aug	Sep	Oct	Nov	Dec	Pcpn to Dec 31	Jan	Feb	Mar	Apr	May	Jun	Total Pcpn
Normal*	0.05	0.05	0.37	1.00	2.59	2.76	6.82	4.18	3.77	3.15	1.17	0.60	0.18	19.87
1940-41	0.00	0.00	0.01	0.93	1.32	9.40	11.66	5.78	5.40	2.86	4.76	1.35	0.02	31.83
1941-42	0.00	T	T	0.86	1.17	6.29	8.32	4.68	2.98	3.31	4.58	1.07	0.00	24.94
1942-43	T	0.00	0.03	0.27	2.22	3.16	5.68	7.04	1.26	3.60	1.91	0.14	0.35	19.98
1943-44	T	0.00	T	0.16	0.62	2.02	2.80	3.08	7.27	1.42	1.66	0.83	0.52	17.58
1944-45	0.00	0.00	T	1.39	3.54	2.31	7.24	1.82	4.49	2.83	0.08	0.55	0.05	17.06
1945-46	T	T	0.00	2.53	1.60	5.50	9.63	0.77	0.90	1.94	0.06	0.61	0.00	13.91
1946-47	T	0.00	0.04	0.75	2.42	1.56	4.77	0.60	2.34	3.28	0.15	0.17	0.28	11.59
1947-48	0.00	0.00	T	2.60	1.02	0.65	4.27	0.51	0.88	3.68	3.05	3.04	0.01	15.44
1948-49	0.00	0.00	0.10	1.45	0.59	4.88	7.02	1.47	1.91	4.15	T	0.32	T	14.87
1949-50	T	0.01	0.03	0.14	1.10	1.90	3.18	4.41	3.27	2.00	1.03	0.37	0.05	14.31
1950-51	T	0.00	0.62	2.35	5.50	4.72	13.19	2.45	1.57	0.84	0.85	0.64	T	19.54
1951-52	0.00	T	0.25	1.33	3.18	5.11	9.87	8.65	1.65	4.50	1.41	0.05	0.45	26.58
1952-53	0.01	0.00	0.05	0.00	2.04	7.27	9.37	3.51	0.21	1.42	2.69	0.52	0.61	18.33
1953-54	0.00	0.67	0.00	0.18	1.79	0.56	3.20	3.26	3.70	3.29	1.88	0.21	T	15.54
1954-55	0.00	0.35	0.00	0.02	3.35	4.93	8.65	3.14	1.33	0.37	2.75	0.67	0.01	16.92
1955-56	0.00	0.00	0.95	0.57	1.16	12.20	14.88	7.58	2.43	0.03	1.86	0.96	T	27.74
1956-57	0.00	0.00	0.84	1.32	0.06	0.22	2.44	2.47	4.18	2.23	1.66	1.78	T	14.76
1957-58	0.00	0.00	1.35	1.35	0.33	3.07	6.10	5.38	9.13	5.93	4.41	0.72	0.27	31.94
1958-59	0.00	0.02	0.12	0.42	0.16	0.72	1.44	4.62	3.64	0.46	0.30	T	0.00	10.46
1959-60	T	T	1.54	T	0.01	1.28	2.83	3.25	2.91	1.62	1.26	0.41	0.00	12.28
1960-61	T	0.00	T	T	4.38	0.70	5.08	3.11	1.19	2.02	0.49	0.13	0.02	12.04
1961-62	T	0.01	0.17	0.03	2.96	1.44	4.61	0.95	7.60	1.84	0.19	0.06	0.01	15.26
1962-63	0.00	0.13	0.11	6.85	0.40	1.74	9.23	3.65	1.75	3.56	3.43	0.64	0.02	22.28
1963-64	0.00	T	0.35	1.27	3.92	0.38	5.92	3.35	0.19	0.83	0.16	0.18	0.41	11.04
1964-65	0.01	0.06	0.00	1.55	2.64	5.69	9.95	3.66	0.48	1.61	2.97	0.07	T	18.74
1965-66	0.00	0.59	0.00	0.11	3.25	2.89	6.84	2.11	1.58	0.22	0.59	0.24	T	11.58
1966-67	0.09	0.00	0.05	0.00	5.48	3.33	8.95	7.94	0.40	4.15	3.85	0.12	0.68	26.09
1967-68	0.00	0.00	0.04	0.26	1.25	0.94	2.49	3.34	1.97	2.42	0.40	0.32	0.23	11.17
1968-69	0.00	0.08	0.00	0.68	2.74	3.10	6.60	8.90	7.61	1.13	1.32	0.09	0.01	25.66
1969-70	0.00	0.00	0.03	0.80	0.81	5.36	7.00	7.05	1.45	1.83	0.14	0.00	0.24	17.71

*Normal precipitation is for the period 1971-2000.

MONTHLY, ACCUMULATIVE AND SEASON PRECIPITATION TOTALS
(Rainfall Season July 1 - June 30)

Season	Jul	Aug	Sep	Oct	Nov	Dec	Pcpn to Dec 31	Jan	Feb	Mar	Apr	May	Jun	Total Pcpn
Normal*	0.05	0.05	0.37	1.00	2.59	2.76	6.82	4.18	3.77	3.15	1.17	0.60	0.18	19.87
1970-71	0.00	0.00	0.00	0.95	7.44	3.73	12.12	1.10	0.33	2.34	0.54	0.94	0.05	17.42
1971-72	0.00	0.00	0.00	0.27	0.88	4.84	5.99	1.07	1.15	0.37	1.27	0.34	0.15	10.34
1972-73	0.00	0.00	0.99	1.70	5.08	2.25	10.02	7.29	6.47	2.89	0.41	0.06	0.00	27.14
1973-74	0.00	0.00	0.44	1.56	6.69	3.05	11.74	3.80	1.57	3.72	1.34	0.00	0.66	22.83
1974-75	0.90	0.01	0.00	1.22	0.86	3.42	6.41	1.15	5.16	4.73	1.10	0.00	0.00	18.55
1975-76	0.02	0.16	0.00	2.32	0.40	0.30	3.20	0.37	1.49	0.61	1.53	0.00	0.05	**7.25**
1976-77	0.00	0.57	0.81	0.00	0.62	0.62	2.62	1.36	1.10	1.33	0.36	0.76	0.00	7.53
1977-78	0.01	0.00	0.55	0.27	2.00	3.65	6.48	9.61	2.77	4.24	2.26	0.00	0.00	25.36
1978-79	0.00	0.00	0.37	0.01	3.45	0.87	4.70	5.81	5.24	2.67	0.88	0.09	0.00	19.39
1979-80	0.22	0.00	0.01	1.79	1.66	3.96	7.64	5.33	8.08	2.19	1.04	0.47	0.04	24.79
1980-81	0.31	0.00	0.00	0.04	0.26	2.25	2.86	4.97	1.00	3.55	0.71	0.34	0.00	13.43
1981-82	0.00	0.00	0.32	2.64	7.13	3.91	14.00	5.40	2.90	6.82	3.36	0.00	0.17	32.65
1982-83	0.00	0.00	1.54	2.69	5.83	3.44	13.50	5.54	5.28	8.30	4.36	0.23	0.28	**37.49**
1983-84	0.00	0.01	0.61	0.53	5.83	6.65	13.63	0.23	1.52	1.47	0.44	0.01	0.10	17.40
1984-85	0.00	0.08	0.08	1.87	5.46	1.75	9.24	1.07	1.85	2.79	0.11	0.02	0.14	15.22
1985-86	0.00	0.01	0.71	0.69	4.64	3.19	9.24	4.88	10.30	4.23	1.02	0.08	0.00	29.75
1986-87	0.00	0.00	0.80	0.33	0.22	1.30	2.65	2.55	3.77	3.57	0.26	0.01	0.00	12.81
1987-88	0.00	0.00	0.00	1.30	3.22	3.75	8.27	3.61	0.74	0.31	1.46	0.75	0.23	15.37
1988-89	0.01	0.00	0.00	0.22	2.08	3.32	5.63	0.70	1.38	6.73	0.39	0.04	0.26	15.13
1989-90	0.00	0.37	3.15	1.47	1.26	0.00	6.25	5.49	3.14	1.16	0.75	2.61	0.00	19.40
1990-91	0.00	0.00	0.00	0.28	0.56	1.66	2.50	0.37	3.18	7.48	0.38	0.26	0.56	14.73
1991-92	0.00	0.01	0.05	1.22	0.32	2.04	3.64	1.68	6.89	3.32	0.93	0.00	0.22	16.68
1992-93	0.00	0.00	0.00	1.26	0.38	6.23	7.87	9.37	5.11	2.43	0.75	1.23	0.94	27.70
1993-94	0.00	0.00	0.00	0.43	2.70	2.04	5.17	2.16	3.17	0.07	0.80	1.65	0.00	13.02
1994-95	0.00	0.00	0.00	0.45	3.96	3.54	7.95	12.35	0.19	7.84	1.90	1.01	0.53	31.77
1995-96	0.01	0.00	0.00	0.00	0.00	5.14	5.15	3.30	6.09	2.30	1.93	2.22	0.00	20.99
1996-97	0.00	0.00	0.00	0.76	1.49	5.82	8.07	7.68	0.26	0.58	0.28	0.35	0.53	17.75
1997-98	0.00	0.21	0.18	1.01	4.67	2.64	8.71	6.79	9.43	2.55	1.44	3.04	0.29	32.25
1998-99	0.00	0.00	0.30	0.81	3.60	0.65	5.36	2.86	4.54	1.46	0.94	0.08	0.03	15.27
1999-00	0.00	0.00	0.00	0.13	1.75	0.03	1.91	7.20	8.93	2.26	2.05	1.36	0.03	23.74

*Normal precipitation is for the period 1971-2000.

MONTHLY, ACCUMULATIVE AND SEASON PRECIPITATION TOTALS
(Rainfall Season July 1 - June 30)

Season	Jul	Aug	Sep	Oct	Nov	Dec	Pcpc to Dec 31	Jan	Feb	Mar	Apr	May	Jun	Total Pcpn
Normal*	0.05	0.05	0.37	1.00	2.59	2.76	6.82	4.18	3.77	3.15	1.17	0.60	0.18	19.87
2000-01	0.00	0.00	0.17	2.57	0.75	0.55	4.04	4.48	4.79	2.15	1.70	0.00	0.14	17.31
2001-02	0.00	0.00	0.33	0.35	2.33	5.99	9.00	2.23	1.04	2.85	0.15	1.81	0.00	17.08
2002-03	0.00	0.00	0.00	0.00	2.00	5.85	7.85	1.13	1.08	1.95	2.75	1.23	0.00	15.99
2003-04	0.00	0.34	0.00	0.27	1.64	4.35	6.60	2.07	4.84	0.49	0.11	0.08	0.00	14.19
2004-05	0.00	0.00	1.93	3.09	2.77	4.13	11.92	3.69	2.52	3.55	0.86	1.31	0.69	24.53
2005-06	0.00	0.00	0.10	0.16	0.90	9.47	10.63	3.06	2.07	6.02	3.42	0.42	0.00	25.63
2006-07	0.00	0.00	0.00	0.21	1.03	3.12	4.63	0.07	5.17	0.50	1.42	0.43	0.00	11.95
2007-08	0.01	0.00	0.08	0.93	0.98	3.35	5.35	7.42	1.83	0.12	0.01	0.04	0.00	14.77
2008-09	0.00	0.00	0.00	0.75	2.22	1.75	4.72	1.48	5.06	1.83	1.61	1.30	0.47	16.47

*Normal precipitation is for the period 1971-2000.

NUMBER OF DAYS IN MONTH/SEASON WITH MEASURABLE PRECIPITATION AND WATER YEAR TOTALS

(July 1877- August 2010)

Year	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	# of Days	Total Rain**
Average*	--	1	2	4	8	9	11	9	10	5	3	1	63	19.87
1877-78	0	0	0	5	7	5	17	17	14	3	4	0	72	24.86
1878-79	0	0	3	1	2	3	11	9	15	12	5	1	62	17.86
1879-80	0	0	0	4	8	12	7	10	7	15	3	0	66	26.47
1880-81	0	0	0	0	2	21	9	13	6	6	0	2	59	26.57
1881-82	0	0	1	6	4	11	8	6	10	8	1	1	56	16.51
1882-83	0	0	2	6	7	9	5	3	6	7	9	0	54	18.11
1883-84	0	0	2	6	3	6	9	10	13	9	3	7	68	24.78
1884-85	0	0	3	4	0	11	8	5	2	7	0	2	42	16.58
1885-86	0	0	1	2	17	10	13	3	12	12	2	0	72	32.27
1886-87	0	0	0	3	1	7	7	14	5	8	0	0	45	13.97
1887-88	0	0	1	0	3	8	14	5	8	2	2	4	47	11.56
1888-89	0	0	2	0	7	15	3	4	13	6	8	1	59	19.95
1889-90	0	0	0	11	7	23	17	9	14	4	5	0	90	33.80
1890-91	0	0	1	0	0	5	5	13	10	8	4	1	47	15.81
1891-92	0	0	3	2	4	11	5	7	9	7	7	0	55	15.18
1892-93	0	0	2	4	7	9	5	7	13	4	4	0	55	23.95
1893-94	0	0	2	1	7	6	8	9	7	2	7	2	51	16.35
1894-95	0	0	2	5	1	20	15	4	6	4	4	0	61	24.11
1895-96	1	0	4	3	7	8	13	2	13	10	6	0	67	23.23
1896-97	0	1	3	2	8	10	10	13	13	2	1	1	64	17.32
1897-98	0	1	1	4	4	6	6	9	1	2	5	1	40	10.51
1898-99	0	0	1	3	4	4	12	1	11	2	3	2	43	15.04
1899-00	0	1	0	9	13	10	11	4	9	8	4	0	69	20.24
1900-01	0	0	1	7	9	7	13	10	2	4	6	0	59	20.21
1901-02	0	0	1	3	9	4	7	19	8	7	4	1	63	17.27
1902-03	0	0	0	4	7	5	10	7	14	5	0	0	52	16.62
1903-04	0	0	0	1	9	5	6	16	19	10	1	0	67	16.87
1904-05	0	0	5	7	4	8	13	7	13	4	6	0	67	21.98
1905-06	0	0	1	0	3	7	11	14	17	6	6	5	70	23.93
1906-07	0	0	2	0	5	13	17	9	19	4	2	2	73	24.04
1907-08	0	2	0	4	1	12	14	9	3	3	5	0	53	12.20
1908-09	0	0	1	3	4	12	25	17	11	0	0	1	74	21.78
1909-10	0	0	3	5	14	13	12	9	8	1	1	0	66	12.18

– Less than one day.

* Averages based on Climatological Normals 1971-2000

** Water Year is the 12-month period beginning July 1 and ending June 30.

NUMBER OF DAYS IN MONTH/SEASON WITH MEASURABLE PRECIPITATION AND WATER YEAR TOTALS

(July 1877- August 2010)

Year	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	# of Days	Total Rain**
Average*	--	1	2	4	8	9	11	9	10	5	3	1	63	19.87
1910-11	0	0	2	2	4	6	17	12	9	3	2	1	58	21.98
1911-12	0	0	0	1	2	6	11	2	6	7	3	3	41	9.95
1912-13	0	0	4	6	7	3	10	3	6	4	5	1	49	8.03
1913-14	0	1	0	1	12	11	16	6	2	6	2	4	61	20.44
1914-15	0	0	0	4	4	15	15	18	5	5	10	0	76	17.20
1915-16	0	1	0	0	5	9	20	15	5	2	3	1	61	18.29
1916-17	1	0	2	5	4	11	14	9	3	4	3	0	56	12.95
1917-18	0	0	2	0	4	2	2	14	13	3	1	0	41	10.61
1918-19	0	0	6	2	9	4	7	18	8	4	1	0	59	17.20
1919-20	0	0	5	1	4	10	3	6	9	3	0	2	43	8.90
1920-21	0	0	1	6	11	16	12	7	8	2	3	1	67	16.80
1921-22	0	0	0	3	4	12	7	14	14	2	5	0	61	14.16
1922-23	0	0	0	7	5	19	9	3	2	11	2	1	59	15.69
1923-24	0	0	5	4	3	6	7	4	7	2	1	0	39	7.99
1924-25	0	0	0	7	3	13	7	12	5	8	8	2	65	17.70
1925-26	1	1	1	0	7	4	8	10	1	7	2	0	42	16.05
1926-27	0	0	0	4	11	7	12	16	9	7	3	1	70	17.75
1927-28	0	0	1	4	9	10	8	8	11	5	1	1	58	11.60
1928-29	0	0	0	3	6	8	5	6	5	5	1	3	42	10.39
1929-30	0	0	0	2	0	8	14	8	7	6	4	0	49	13.62
1930-31	0	0	4	3	6	3	8	7	6	2	3	3	45	8.43
1931-32	0	0	0	2	8	16	10	5	7	5	5	0	58	12.57
1932-33	0	0	0	0	5	7	12	4	10	1	4	1	44	8.12
1933-34	0	0	2	3	0	12	4	13	3	2	3	3	45	11.58
1934-35	0	0	1	4	8	8	11	8	9	11	1	0	61	21.10
1935-36	0	0	0	4	5	11	12	16	3	4	3	3	58	20.53
1936-37	0	0	0	2	1	9	15	10	14	5	1	1	58	19.76
1937-38	0	0	0	4	9	9	13	16	13	6	3	0	73	24.83
1938-39	0	0	2	6	4	7	10	8	5	3	4	0	49	9.74
1939-40	0	0	3	4	1	7	18	14	7	4	2	0	60	25.07

– Less than one day.

* Averages based on Climatological Normals 1971-2000

** Water Year is the 12-month period beginning July 1 and ending June 30.

NUMBER OF DAYS IN MONTH/SEASON WITH MEASURABLE PRECIPITATION AND WATER YEAR TOTALS

(July 1877- August 2010)

Year	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	# of Days	Total Rain**
Average*	--	1	2	4	8	9	11	9	10	5	3	1	63	19.87
1940-41	0	0	1	3	4	14	16	15	9	10	5	1	78	31.83
1941-42	0	0	0	3	6	17	13	8	5	13	5	0	70	24.94
1942-43	0	0	1	3	9	9	10	7	12	5	1	3	60	19.98
1943-44	0	0	0	3	6	8	8	13	4	10	3	3	58	17.58
1944-45	0	0	0	4	12	8	6	8	9	1	6	2	56	17.06
1945-46	0	0	0	6	8	12	4	8	10	1	2	0	51	13.91
1946-47	0	0	1	3	4	8	4	7	9	3	3	4	46	11.59
1947-48	0	0	0	6	4	6	4	7	9	16	6	1	59	15.44
1948-49	0	0	1	2	6	14	4	9	11	0	3	0	50	14.87
1949-50	0	1	1	1	4	9	15	7	8	6	2	1	55	14.31
1950-51	0	0	1	8	14	12	12	9	4	2	3	0	65	19.54
1951-52	0	0	2	5	11	12	14	11	11	4	1	3	74	26.58
1952-53	1	0	1	0	4	15	12	4	5	8	5	2	57	18.33
1953-54	0	1	0	3	11	3	10	7	10	4	1	0	50	15.54
1954-55	0	2	0	1	5	12	15	4	3	9	1	1	53	16.92
1955-56	0	0	2	2	7	19	17	7	3	6	6	0	69	27.74
1956-57	0	0	2	5	1	1	9	13	11	4	9	0	55	14.76
1957-58	0	0	2	7	5	10	14	15	17	6	2	2	80	31.94
1958-59	0	1	1	1	2	5	10	11	6	2	0	0	39	10.46
1959-60	0	0	3	0	1	3	12	9	11	5	2	0	46	12.28
1960-61	0	0	0	0	14	7	6	6	10	3	4	1	51	12.04
1961-62	0	1	1	2	5	5	2	15	5	2	2	1	41	15.26
1962-63	0	1	2	4	3	4	4	7	11	14	3	1	54	22.28
1963-64	0	0	2	6	12	4	8	2	6	1	5	4	50	11.04
1964-65	1	1	0	3	12	20	10	4	6	13	1	0	71	18.74
1965-66	0	2	0	1	11	8	5	9	3	3	2	0	44	11.58
1966-67	2	0	2	0	9	7	11	2	12	14	2	4	65	26.09
1967-68	0	0	1	2	7	6	10	10	7	1	2	1	47	11.17
1968-69	0	1	0	5	10	12	18	16	8	5	1	1	77	25.66
1969-70	0	0	2	2	3	11	19	6	5	1	0	2	51	17.71

– Less than one day.

* Averages based on Climatological Normals 1971-2000

** Water Year is the 12-month period beginning July 1 and ending June 30.

NUMBER OF DAYS IN MONTH/SEASON WITH MEASURABLE PRECIPITATION AND WATER YEAR TOTALS

(July 1877- August 2010)

Year	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	# of Days	Total Rain**
Average*	--	1	2	4	8	9	11	9	10	5	3	1	63	19.87
1970-71	0	0	0	4	13	19	10	4	8	8	7	1	74	17.42
1971-72	0	0	0	2	5	13	6	8	5	6	3	1	49	10.34
1972-73	0	0	3	9	12	11	16	15	12	2	2	0	82	27.14
1973-74	0	0	3	4	15	13	13	6	11	8	0	1	74	22.83
1974-75	3	1	0	3	4	8	11	13	15	9	0	0	67	18.55
1975-76	0	2	0	7	7	8	1	8	4	4	0	1	42	7.25
1976-77	0	5	4	0	3	2	4	4	6	2	9	0	39	7.53
1977-78	1	0	4	4	3	14	16	9	11	9	0	0	71	25.36
1978-79	0	0	3	1	7	4	13	11	9	6	2	0	56	19.39
1979-80	1	0	1	6	7	8	13	13	7	5	2	1	63	24.79
1980-81	2	0	0	1	4	6	14	11	9	2	1	0	50	13.43
1981-82	0	0	1	7	12	13	10	4	15	8	0	2	72	32.65
1982-83	0	0	8	8	14	11	13	13	19	11	1	2	100	37.49
1983-84	0	1	3	4	14	17	4	9	4	4	1	2	63	17.40
1984-85	0	1	1	7	17	7	6	2	10	2	1	2	56	15.22
1985-86	0	1	4	2	12	9	15	12	8	5	3	0	71	29.75
1986-87	0	0	5	3	1	7	8	8	11	1	1	0	45	12.81
1987-88	0	0	0	6	8	15	12	2	1	5	3	3	55	15.37
1988-89	1	0	0	2	9	12	7	8	19	4	1	2	65	15.13
1989-90	0	2	5	4	2	0	11	7	5	3	8	0	47	19.40
1990-91	0	0	0	2	3	3	3	5	16	5	3	1	41	14.73
1991-92	0	1	1	2	2	7	9	17	11	2	0	2	54	16.68
1992-93	0	0	0	4	5	14	14	14	12	4	6	4	77	27.70
1993-94	0	0	0	5	7	7	8	9	1	4	4	0	45	13.02
1994-95	0	0	0	1	9	13	25	4	18	13	6	3	92	31.77
1995-96	1	0	0	0	0	13	14	15	7	5	5	0	60	20.99
1996-97	0	0	0	5	8	18	11	4	3	3	1	2	55	17.75
1997-98	0	2	1	4	13	5	20	20	12	8	14	3	102	32.25
1998-99	0	0	3	3	14	5	12	13	10	5	2	2	69	15.27
1999-00	0	0	0	1	8	2	12	17	8	4	6	1	59	23.74

– Less than one day.

* Averages based on Climatological Normals 1971-2000

** Water Year is the 12-month period beginning July 1 and ending June 30.

NUMBER OF DAYS IN MONTH/SEASON WITH MEASURABLE PRECIPITATION AND TOTAL FOR WATER YEAR

(July 1877- August 2010)

Year	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	# of Days	Total Rain**
Average*	--	1	2	4	8	9	11	9	10	5	3	1	63	19.87
2000-01	0	0	2	9	3	5	7	12	7	4	0	2	51	17.31
2001-02	0	0	1	1	9	17	8	6	9	3	3	0	57	17.08
2002-03	0	0	0	0	5	16	10	6	6	12	3	0	58	15.99
2003-04	0	3	0	1	10	15	13	12	2	5	2	0	63	14.19
2004-05	0	0	1	6	6	10	14	10	11	5	6	3	72	24.53
2005-06	0	0	1	4	6	14	13	9	20	10	3	0	80	25.63
2006-07	0	0	0	1	8	9	1	12	3	4	3	0	41	11.95
2007-08	1	0	3	5	2	9	19	8	2	1	1	0	51	14.77

– Less than one day.

* Averages based on Climatological Normals 1971-2000

** Water Year is the 12-month period beginning July 1 and ending June 30.

RAINFALL DATA -- EXCESSIVE STORMS*

(January 1903 - August 2010)

TOTAL PRECIPITATION BY TIME PERIOD

		48 Hours		24 Hours		2 Hours		1 Hour	
Year	Month	Date	Total	Date	Total	Date	Total	Date	Total
1962	October	12-13	6.42	12-13	5.07	13	0.85	12	0.57
1986	February	16-17	5.05	16-17	3.54	17	0.72	17	0.40
1986	February	17-18	5.01	17	3.21	18	1.01	18	0.52
1995	January	09-10	4.55	09-10	4.47	09	1.74	09	1.44
1943	January	20-21	4.29	20-21	3.52	20	1.09	20	0.63
2000	January	23-24	4.26	23-24	3.51	24	0.47	23	0.27
1981	November	12-13	4.09	12-13	2.61	13	0.57	12	0.32
1967	January	20-21	4.09	20-21	3.12	21	0.86	21	0.61
1982	January	3-5	4.00	4-5	3.50	5	0.45	4	0.25
1936	February	11-12	3.89	11	2.34	12	0.85	12	0.77
1935	December	18-19	3.81	18-19	3.28	18	0.59	18	0.31
1937	December	9-11	3.67	9-10	2.22	11	0.52	10	0.39
1940	February	26-27	3.65	26-27	3.32	27	0.53	27	0.28
1944	February	2-3	3.56	2-3	2.82	2	0.39	2	0.20
1911	January	13-14	3.53	13-14	3.31	14	0.38	14	0.21
1958	April	1-2	3.48	1-2	2.24	2	0.85	2	0.74
1970	November	28-29	3.48	28-29	2.45	28	0.54	28	0.30
1962	February	9-10	3.45	9-10	2.21	9	0.82	9	0.52
1916	January	2-3	3.41	2-3	3.21	3	0.74	3	0.36
1935	April	7	3.35	7	3.35	7	2.62	7	1.65
1955	December	22-23	3.25	22-23	2.36	22	0.58	22	0.38
1983	December	24-25	3.24	24-25	2.85	25	0.45	25	0.27
1931	December	26-27	3.23	26-27	2.98	26	0.38	26	0.20
1940	December	21-22	3.22	21	2.38	21	0.55	21	0.32
1918	September	12-13	3.17	12-13	3.14	12	0.72	12	0.38
1990	January	12-13	2.93	12-13	2.73	12	1.41	12	0.86
1958	February	18-19	2.93	18-19	2.66	18	0.39	18	0.22
1964	December	21-22	2.92	21-22	1.89	22	0.40	22	0.23
1952	January	11-12	2.90	11-12	2.73	12	0.43	11	0.33
1964	January	20-21	2.86	20-21	2.30	20	0.83	20	0.49
1983	March	12-13	2.78	12-13	2.63	13	0.66	13	0.52
1978	January	13-14	2.65	13-14	1.98	13	0.61	13	0.43
1973	February	26-27	2.62	27	2.11	27	1.19	27	1.01
1950	November	17-18	2.58	17-18	2.08	18	0.48	18	0.29

* Excessive storms that provided 2.50 inches or more precipitation in a 48-hour period.

RAINFALL DATA – EXCESSIVE STORMS

MAXIMUM PRECIPITATION BY TIME PERIOD*

	(January 1903 - December 1995)			(January 1903 - June 2005)		
	5 Minutes	10 Minutes	30 Minutes	1 Hour	2 Hours	24 Hours
January	0.38 09/1995	0.59 09/1995	1.27 09/1995	1.44 09/1995	1.71 09/1995	4.47 09-10/1995
February	0.29 27/1973	0.53 27/1973	0.90 27/1973	1.01 27/1973	1.19 27/1973	3.54 16-17/1986
March	0.37 02/1995	0.50 02/1995	0.80 30/1906	0.94 30/1906	1.01 30/1906	2.94 08-09/1884
April	0.39 07/1935	0.62 07/1935	0.97 07/1935	1.65 07/1935	2.62 07/1935	7.24 20-21/1880
May	0.24 13/1941	0.27 13/1941	0.29 11/1915	0.54 17/2000	0.59 07/1905	1.94 05/1889
June	0.17 04/1993	0.19 04/1993	0.27 19/1974	0.45 04/1993	0.66 04/1993	0.84 03-04/1993
July	0.02 02/1980	0.04 02/1980	0.09 08/1974	0.13 08/1974	0.24 08/1974	0.89 07-08/1974
August	0.04 08/1962	0.06 15/1976**	0.13 15/1976	0.20 25-26/1954	0.30 25-26/1954	0.67 29/1953
September	0.23 23/1904	0.33 23/1904	0.69 23/1904	1.19 19/2004	1.93 19/2004	3.14 11-12/1918
October	0.36 26/1950	0.52 26/1921	0.66 26/1921	0.69 23/1987	0.85 13/1962	5.07 12-13/1962
November	0.29 13/1983	0.39 13/1983	0.55 13/1983	0.65** 13/1983	0.85 14-15/1934	4.29 17-18/1885
December	0.27 01/1951	0.36 01/1951	0.55 01/1951	0.69 01/1951	0.87 01/1951	3.27 18-19/1955
Annual	0.39 April 7 1935	0.62 April 7 1935	1.27 January 9 1995	1.65 April 7 1935	2.62 April 7 1935	7.24 April 20-21, 1880

* Any 24-hour period (not confined from midnight-midnight).

** Also occurred earlier years.

GREATEST NUMBER OF DAYS WITH 0.01 INCH AND 0.10 INCH OR MORE BY MONTH AND YEAR OF OCCURRENCE

(July 1877 - August 2010)

	0.01 Inch or More			0.10 Inch or More		
Month	Average* # of Days	Greatest # of Days	Year	Average* # of Days	Greatest # of Days	Year
January	11	25	1995**	7	20	1909
February	9	20	1998	7	15	1936
March	10	20	2006	7	16	1983
April	5	16	1948	3	13	1948
May	3	14	1998	1	7	1998**
June	1	7	1884	--	4	1884
July	--	3	1974	--	1	1980**
August	1	5	1976	--	3	1976
September	2	8	1982	1	5	1982
October	4	11	1889	2	10	1889
November	8	17	1984**	5	14	1984
December	9	23	1889	5	18	1889
Annual	63	102	1998	38	69	1983

GREATEST NUMBER OF DAYS WITH 0.50 INCH AND 1.00 INCH OR MORE BY MONTH AND YEAR OF OCCURRENCE

(July 1877 - August 2010)

	0.50 INCH OR MORE			1.00 INCH OR MORE		
Month	Average* # of Days	Greatest # of Days	Year	Average* # of Days	Greatest # of Days	Year
January	3	11	1911	1	5	1993**
February	3	9	1878	1	5	1958
March	2	8	1991**	1	3	1907
April	1	6	1880	--	3	1880
May	--	3	1883	--	1	2002**
June	--	1	1991	0	0	----
July	0	1	1974	0	0	----
August	0	1	1965**	0	0	----
September	--	3	1904	0	2	1904
October	1	5	1889	--	3	1889
November	2	6	1973**	--	4	1885
December	2	10	1880	1	5	1955
Annual	14	31	1983	4	11	1940

– Less than one day.

* Averages based on Climatological Normals 1971-2000

** Also recorded earlier years

GREATEST NUMBER OF CONSECUTIVE DAYS WITH 0.01 INCH OR MORE

(July 1878 - August 2010)

Days	Period	Total Rainfall
16	February 6-February 21, 1992	6.78
15	February 10-February 24, 1936	8.00
15	November 24-December 8, 1970	7.12
14	January 3-January 16, 1995	9.30
14	January 23-February 5, 1911	7.01
14	November 29-December 12, 1889	5.34
13	December 13-December 25, 1880	7.75
13	January 18-January 30, 1969	6.45
12	December 31, 1939-January 11, 1940	6.65
12	March 15-March 26, 1907	5.94
12	February 26-March 9, 1911	4.78
12	January 24-February 4, 1915	2.59

Only periods with 12 or more days tabulated

GREATEST NUMBER OF CONSECUTIVE DAYS WITH 0.25 INCH OR MORE

(July 1878 - August 2010)

Days	Period	Total Rainfall
10	December 17 - December 26, 1884	10.34
9	February 8 - February 16, 1992	5.04
8	February 14 - February 21, 1980	6.95
8	January 11 - January 18, 1906	6.52
8	December 20 - December 27, 192	3.58
7	February 12 - February 18, 1986	9.44
7	December 17 - December 23, 1955	8.13
7	December 21 - December 27, 1940	7.09
7	November 28 - December 4, 1970	6.02
7	March 10 - March 16, 1889	4.76
6	March 29 - April 3, 1958	5.47
6	January 13 - January 18, 1896	4.56
6	January 9 - January 14, 1980	4.12
6	February 20 - February 25, 1902	3.65
6	February 25 - March 2, 1983	3.41

Only periods with 6 or more days tabulated

GREATEST NUMBER OF CONSECUTIVE DAYS WITH 0.50 INCH OR MORE

(July 1878 - August 2010)

Days	Period	Total Rainfall
9	December 17-December 25, 1884	10.09
6	December 21-December 26, 1940	6.75
5	February 14-February 18, 1986	8.12
4	February 25-February 28, 1940	6.75
4	January 11-January 14, 1911	5.03
4	January 13-January 16, 1978	4.59
4	February 14-February 17, 1980	4.02
4	January 15-January 18, 1896	3.96
4	January 15-January 18, 1906	3.54
4	December 5-December 8, 1889	3.34
4	November 19-November 22, 1978	3.00
4	January 8-January 11, 1936	2.18

Only periods with 4 or more days tabulated

GREATEST NUMBER OF CONSECUTIVE DAYS WITH 1.00 INCH OR MORE

(July 1978 - August 2010)

Days	Period	Total Rainfall
3	February 16-February 18, 1986	6.85
3	January 8-January 10, 1995	5.63
3	January 20-January 22, 1943	5.45
3	February 26-February 28, 1940	4.66
3	October 20-October 22, 1889	3.48

Only periods with 3 or more days tabulated

GREATEST NUMBER OF CONSECUTIVE DAYS WITHOUT MEASURABLE RAIN DURING AN ENTIRE YEAR

(July 1877 – August 2010)

Days	Period
194	May 13 - November 22, 1880
174	April 18 - October 8, 1903
169	May 22 - November 6, 2002
162	May 25 - November 2, 1960
160	May 9 - October 15, 1886
155	May 31 - November 1, 1932
153	May 27 - October 26, 1905
147	May 7 - September 30, 1926
145	May 13 - October 4, 1924
143	May 21 - October 10, 1987
143	April 27 - September 16, 1959
140	May 31 - October 17, 1990

GREATEST NUMBER OF CONSECUTIVE DAYS WITHOUT MEASURABLE RAIN FROM MID-SUMMER, (AUG 1), THROUGH THE FALL SEASON

(August 1877 - August 2010

Days	Period
122	August 1 - November 30, 1995
114	August 1 - November 22, 1880
98	August 1 - November 6, 2002
93	August 1 - November 2, 1960
92	August 1 - November 1, 1932
87	August 1 - October 26, 1960
82	August 6 - October 26, 1974
82	September 7 - November 27, 1887
81	August 11 - October 30, 1913
80	August 1 - October 19, 1992
78	August 1 - October 17, 1990
73	August 1 - October 12, 1988
71	August 1 - October 10, 1987
68	August 1 - October 7, 2000
68	September 1 - November 7, 1915
67	August 5 - October 10, 1899
66	August 1 - October 5, 1929
65	August 1 - October 4, 2006
64	August 1 - October 3, 1994
64	September 30 - December 2, 1890
63	August 12- -October 13, 1965
63	September 7 - November 8, 1925
62	September 11 – November 11, 1952

GREATEST NUMBER OF CONSECUTIVE DAYS WITHOUT MEASURABLE RAIN DURING THE RAINY SEASON (NOV-MAR).

(November 1877 - August 2010)

Days	Period
44	November 15 - December 28, 1976
42	January 17 - February 27, 1899
41	December 18, 1962 - January 27, 1957
38	November 4 - December 11, 1959
38	November 8 - December 15, 1940
38	February 15 - March 24, 1883
36	November 26-December 31, 1989
36	December 18, 1960 - January 22, 1961
36	November 15 - December 20, 1958
34	December 5, 1956 - January 7, 1957
32	January 5 - February 6, 2007
32	December 10, 1999 – January 10 2000
32	November 2 - December 3, 1956
32	February 25 – March 27, 2008
31	November 1 – December 1, 1933

WATER YEAR HAVING 11 MONTHS OF MEASURABLE RAIN

(July 1849 - August 2010

Season	Season
1997-98	1949-50
1984-85	1897-98
1983-84	1896-97
1979-80	1896-97
1962-63	1860-61
1961-62	

WATER YEAR HAVING 5 OR MORE MONTHS WITHOUT MEASURABLE RAIN

(July 1849 - August 2010)

Season	Season
2002- 03	1880-81
1995-96	1872-73
1929-30	1856-57
1902-03	1852-53
1886-87	

* Water Year is the 12-month period from July 1 through June 30.

** No Water Year has ever had measurable rain for the entire 12 months

Prior to the establishment of the U. S. Signal Corps station on July 1, 1877, precipitation records were kept from 1849 by Dr. F. M. Hatch, retired Army Surgeon, and his associate, Dr. T. M. Logan. Their records are believed to be reliable.

15 WETTEST WATER YEARS
(July 1849 - August 2010)

Rank	Amount	Year
1	37.49	1982-83
2	36.35	1852-53
3	36.10	1861-62
4	36.00	1849-50
5	33.80	1889-90
6	32.79	1867-68
7	32.65	1981-82
8	32.27	1885-86
9	32.25	1997-98
10	31.94	1957-58
11	31.83	1940-41
12	31.77	1994-95
13	29.75	1985-86
14	27.74	1955-56
15	27.70	1992-93

15 DRIEST WATER YEARS
(July 1849 - August 2010)

Rank	Amount	Year
1	7.25	1975-76
2	7.53	1976-77
3	7.79	1863-64
4	7.99	1923-24
5	8.03	1912-13
6	8.12	1932-33
7	8.26	1850-51
8	8.43	1930-31
9	8.47	1870-71
10	8.90	1919-20
11	9.19	1876-77
12	9.55	1911-12
13	9.74	1938-39
14	10.34	1971-72
15	10.39	1928-29

* *Water Year* is the 12-month period beginning July 1 and ending June 30.

SNOWFALL IN SACRAMENTO

(January 1878 - August 2010)

Year	Date	Total Snow	Year	Date	Total Snow
2009	December 7	T			
2002	January 28	T	1933	January 18	T
1996	February 27	T	1932	February 01	T
1988	December 27, 28	T	1932	January 12	0.2
1982	March 17	T	1930	January 12	T
1976	February 5	2.0	1925	April 20	T
1974	January 4	T	1922	January 30	1.5
1972	December 6, 12	T	1916	January 1	2.5
1968	December 19, 20, 23	T	1916	January 27	0.5
1964	January 21	T	1913	January 9	0.1
1962	January 21	T	1911	December 29	T
1957	January 25, 26	T	1911	February 26, 27	T
1955	April 18,26	T	1907	January 6	0.4
1954	March 19	T	1899	February 2	T
1952	March 15	T	1896	March 2	T
1952	February 20	T	1888	January 16	0.1
1952	January 12	T	1888	January 5	3.0
1949	February 11	T	1888	January 4	0.5
1942	March 14	2.0	1883	February 1, 6	T
1937	January 10, 11, 24, 30	T	1882	February 17, 18	1.0
1935	March 8	T	1880	January 26	1.0
1932	December 9	T	1879	January 13	0.5

Snowfall data is based on the city office records from January 1878 through December 1950. Executive Airport data is used from that time until April 15, 1998. Thereafter, records revert to Sacramento City data.*

Sleet and ice pellets were included in snowfall totals beginning July 1948. Ice pellets is a term that is internationally recognized and includes solid grains of ice (sleet) and particles consisting of snow pellets encased in a thin layer of ice.

"Snow" in April of 1925 and 1955 was actually a mixture of hail and sleet. The observer's weather log for April 20, 1925, indicated that there was a mixture of rain and sleet "...with an occasional flake of snow." The "Trace" recorded April 18, 1955, was during a brief hailstorm, with hail measuring one half-inch in diameter. Small hail was observed on April 26, 1955.

In most instances, snowfall at Sacramento is estimated as the snow usually melts as it reaches the ground.

* *Snowfall observation point is Sacramento WFO: near the corner of Watt & El Camino Avenues.*

GREATEST SNOWFALL DURING ANY 24 HOUR PERIOD
(January 1878 - August 2010)

Month	Amount	Date	Year
January	3.5	04 – 05	1888
February	2.0	05	1976
March	2.0	14	1942
April	T	18, 26	1955**
May	0	N/A	N/A
June	0	N/A	N/A
July	0	N/A	N/A
August	0	N/A	N/A
September	0	N/A	N/A
October	0	N/A	N/A
November	0	N/A	N/A
December	T	27, 28	1988*
Annual	4.0	04, 05, 16	January 1888

** Also occurred in earlier years.

VI. MISCELLANEOUS STATISTICS

AVERAGE AND GREATEST NUMBER OF DAYS WITH THUNDERSTORMS BY MONTH WITH YEAR OF OCCURRENCE

(January 1948 - August 2010)

Month	Avg.# Days with Thunderstorms	Greatest # Days with Thunderstorms	Year
January	0.4	3	1970
February	0.5	4	1992
March	0.7	4	1983
April	0.6	3	1967
May	0.4	3	2003**
June	0.3	2	1989
July	0.2	2	2000**
August	0.2	2	2003**
September	0.4	2	1989**
October	0.3	2	1979**
November	0.2	3	1970
December	0.2	2	2005**
Annual	4.4	10	1970**

* Averages based on Climatological Normals 1971-2000

** Also recorded earlier years.

Downtown Sacramento data used from January 1948-December 1962. Sacramento Executive Airport used thereafter.

AVERAGE RELATIVE HUMIDITY BY TIME PERIODS

	4 AM	10 AM	4 PM	10 PM
January	90	85	70	87
February	89	78	60	83
March	87	70	54	79
April	82	57	43	73
May	81	50	37	69
June	79	47	31	65
July	78	48	30	63
August	79	50	30	64
September	79	51	31	66
October	81	56	37	71
November	87	72	55	81
December	90	83	67	86
Annual	84	62	45	74

* Averages based on Climatological Normals 1971-2000

AVERAGE SEA-LEVEL PRESSURE WITH HIGHEST AND LOWEST BY MONTH WITH DATE AND YEAR OF OCCURRENCE

(July 1877 August 2010)

	Average	Highest	Date	Year	Lowest	Date	Year
January	30.12	30.64	24	1938	28.94	21	2010
February	30.05	30.74	17	1883	29.15	22	1891
March	30.01	30.56	2	1971	29.20	01	1991
April	29.99	30.45	4	1945	29.37	22	1931
May	29.93	30.34	12	1890	29.36	23	2008
June	29.88	30.22	25	1975**	29.52	23	1989
July	29.88	30.21	12	1888	29.55	8	1926
August	29.88	30.19	4	1976	29.49	26	1932
September	29.88	30.19	19	1950**	29.44	12	1927
October	29.95	30.42	28	1921	29.39	13	2009
November	30.08	30.53	18	1969**	29.20	30	1982
December	30.12	30.67	25	1879	29.23	22	1982
Annual	29.98*	30.74	Feb 17	1883	28.94	Jan 21	2010

* Averages based on Climatological Normals 1971-2000

** Also recorded earlier years.

Downtown Sacramento used until July 1, 1939 - Executive Airport used thereafter.

AVERAGE SUNSHINE, CLOUDINESS AND FOG

(January 1948 - August 2010)

	SUNSHINE	SKY COVER (Sunrise-Sunset)				DENSE FOG#		
			NUMBER OF DAYS WITH:					
Month	Percent Possible	Sky Cover#	Clear	Partly Cloudy	Cloudy	Monthly Mean	Record	Year
January	48%	5.7	6.5	5.9	18.7	10.2	23	1961
February	65%	5.0	7.6	7.0	13.6	4.6	13	1963**
March	74%	4.5	9.9	8.7	12.4	1.7	6	1986
April	82%	3.8	11.9	9.6	8.4	0.3	2	1965**
May	90%	2.9	16.9	8.6	5.5	0.1	2	1971
June	94%	1.8	21.7	5.9	2.4	0.0	0	----
July	97%	0.9	26.9	3.2	1.0	0.0	0	----
August	96%	1.1	25.1	4.1	1.3	0.0	1	1966
September	93%	1.5	23.2	4.2	2.1	0.1	2	1963
October	86%	2.6	18.9	6.0	5.4	1.0	11	1962
November	66%	4.5	9.8	7.4	12.4	4.9	11	1982
December	49%	5.5	7.6	5.8	17.0	9.4	22	1989**
Annual	78%	3.3	186.0	76.4	100.2	32.3	64	1962

* Averages based on Climatological Normals 1971-2000

** Also occurred in previous years.

sunrise to sunset

#**Dense fog** is when the visibility is restricted to 1/4 mile or less for at least part of the day. **Sky Cover** is expressed in fractions of eights, (since July 1996), in order to conform to international standards. A definition of "Clear", Partly Cloudy", and "Cloudy" is as follows:

Clear	0/8 to 2/8 sky cover
Partly Cloudy	3/8 to 6/8 sky cover
Cloudy	7/8 or 8/8 sky cover

Downtown Sacramento data used until July 1, 1939 – Executive Airport data used thereafter.

GREATEST NUMBER OF CONSECUTIVE DAYS WITH DENSE FOG[#] WITH MONTH AND YEAR OF OCCURRENCE

(November 1949 - August 2010) Only periods with 8 or more days are tabulated.

Days	Period	Year	Days	Period	Year
17	December 12-28	1985	9	January 12-20	1965
14	December 23 - January 5	2000-01	9	January 17-25	1961
13	January 13-25	1975	9	Novenber 25-December 3	1949
12	December 9-20	2004	9	February 3-11	1954
11	December 3-13	1962	8	February 3-10	1991
10	December 2-11	1977	8	December 23-30	1989
10	December 27 - January 5	1962-63	8	January 29-February 5	1962
9	December 23-31	2000	8	December 14-21	1956
9	January 6-14	1986	8	December 14-21	1954
9	February 6-14	1971			

GREATEST NUMBER OF NON-CONSECUTIVE DAYS WITH DENSE FOG[#] WITH MONTH AND YEAR OF OCCURRENCE

(November 1949 - August 2010) (Only periods with 14 or more days are tabulated).

Days	Period	Days	Period	Days	Monthly Avg*
				10.2	January
23	January 1961	16	January 1955	4.6	February
22	December 1989	15	January 1975	1.7	March
22	December 1985	15	January 1972	.3	April
20	December 2000	15	January 1965	.1	May
20	December 1962	14	December 1986	0	June
19	December 1963	14	January 1986	0	July
19	January 1958	14	January 1983	0	August
18	January 1985	14	January 1964	.1	September
17	January 2003	14	January 1963	1.0	October
16	December 2004	14	January 1962	4.9	November
16	December 1977			9.4	December
				32.3	Annual

* Averages based on Climatological Normals 1971-2000

[#]**Dense fog** is defined as fog that restricts visibility to 1/4 mile or less during any period of the 24-hour day from midnight to midnight.

AVERAGE WIND SPEED, PREVAILING DIRECTION AND FASTEST MILE BY MONTH WITH DATE AND YEAR OF OCCURRENCE

(July 1877 - August 2010)

Month	Average Speed	Prevailing Direction	Fastest Mile	Direction	Date	Year
January	7.2	Southeast	58	Southeast	4	2008
February	7.4	S-Southeast	58	Southeast	9	1938
March	8.5	Southwest	66	South	14	1952
April	8.6	Southwest	45	Southwest	25	1955
May	9.1	Southwest	40	Southeast	6	1912
June	9.7	Southwest	47	Southwest	23	1950
July	8.9	S-Southwest	36	Southwest	12	1956
August	8.5	Southwest	38	Southwest	19	1954
September	7.4	Southwest	42	Northwest	16	1965
October	6.4	Southwest	68	Southeast	26	1950
November	6.0	N-Northwest	70	Southeast	13	1953
December	6.6	S-Southeast	70	Southeast	7	1952
Annual	7.8	Southwest				

* Averages based on Climatological Normals 1971-2000

Wind extremes are the fastest 1-minute observed wind speed (in miles per hour). City office records were used from July 1877-January 1950, Executive Airport wind data thereafter.

The "Fastest Mile" is the fastest 1-minute observed wind speed taken from a multiple register with a time-record of the passing of each mile of wind.

NOTE: Stronger peak gusts of wind have been observed but only as a sudden and brief increase in the wind speed, usually less than 20 seconds. An official record of the measurement of peak wind gusts requires the use of an instantaneous wind speed recorder. This type of instrument was not available for use in Sacramento during the period of record. A formula to derive the estimated peak gust from the fastest mile, according to the American Standard Association, is as follows:

Estimated Peak Gust = (Fastest Mile) x (1.3)

For example, the estimated peak gust with a fastest mile of 70 mph would be 91 mph, or

Estimated peak gust = (70) x (1.3) = 91 mph

NORMAL HEATING DEGREE DAYS WITH HIGHEST AND LOWEST BY MONTHS AND YEAR OF OCCURRENCE

SACRAMENTO EXECUTIVE AIRPORT

(July 1960 - August 2010)

Month	Normal	Highest	Year	Lowest	Year
July	0	7	1974	0	Most
August	0	4	1964	0	Most
September	11	53	1986	0	2003**
October	84	191	1971	7	1983
November	359	532	1982	145	1981
December	595	749	1972	421	1995
January	580	736	1963	411	1986
February	387	496	1989	249	1963
March	335	468	2006	163	2004
April	208	456	1967	71	1990
May	97	190	1998	0	1992
June	10	40	1982	0	2002**
Season	2666	3149	1982-1983	1851	1995-1996

* Normals based on 1971-2000 temperature data.

** Also occurred in previous years

A heating degree day is a measure of the departure of the average daily temperature from 65 degrees. Each degree that the daily average temperature is below 65 degrees is equal to one degree day. For example, if the average daily temperature on a particular day was 55 degrees the heating degree day would then be:

Heating Degree Day = 65 - 55
= 10

Each day of the month would be computed in the same fashion with negative differences counted as zero.

NORMAL COOLING DEGREE DAYS WITH HIGHEST AND LOWEST BY MONTH AND YEAR OF OCCURRENCE

SACRAMENTO EXECUTIVE AIRPORT

(January 1969 - August 2010)

Month	Normal	Highest	Year	Lowest	Year
January	0	0	----	0	All
February	0	0	----	0	All
March	6	10	1986	0	Most
April	24	60	1989	0	2005**
May	110	227	1997	2	1998
June	204	319	1985	78	1998
July	320	484	1988	220	1987
August	303	422	1996	207	1980
September	210	375	1975	95	1986
October	66	208	1991	8	1998
November	5	11	1997	0	Most
December	0	0	----	0	All
Season	1248	1654	1975	737	1982

* Normals based on 1961-1990 temperature data.

** Also occurred in previous years

A cooling degree day is a measure of the departure of the base temperature of 65 degrees from the average daily temperature. Each degree that the average daily temperature is above 65 degrees is equal to one degree day. For example, if the average daily temperature on a particular day was 72 degrees, the cooling degree day would then be:

Cooling Degree Days = 72 - 65
= 7

Again, each day of the month would be computed with negative differences counted as zero.

Heating and cooling degree days are useful in the computation of fuel and power consumption and are used by utility companies to determine heating and cooling requirements.

WEATHER EXTREMES FOR SACRAMENTO COMPARED TO CALIFORNIA, THE UNITED STATES, NORTH AMERICA AND THE WORLD

HIGHEST TEMP	F	LOCATION AND DATE
Sacramento	114	July 17, 1925
California	134	Greenland Ranch (Death Valley) - July 10, 1913
United States	134	Greenland Ranch (Death Valley) - July 10, 1913
North America	134	Greenland Ranch (Death Valley) - July 10, 1913
World	136	El Azizia, Libya, Africa - September 13, 1922

LOWEST TEMP	F	LOCATION AND DATE
Sacramento	17	December 11, 1932
California	-45	Boca (Nevada County, Elev. 5532 Ft)- January 20, 1937
United States	-80	Prospect Creek (25 SE Bettles, Alaska)-January 23, 1971
North America	-81	Snag (Yukon Territory), Canada- Feb. 3, 1947
World	-129	Vostok, Antarctica (Elev. 11220 Ft)-July 21, 1983

GREATEST PRECIPITATION IN ONE HOUR (Inches)

Sacramento	1.65	April 7, 1935
California	4.41	Forni Ridge (El Dorado County, Elev. 7600 Ft)-June 18, 1982*
United States	12.00	Kilauea Sugar Plantation, Kauai, Hawaii-January 24-25, 1956 and also at Holt, Missouri-June 22, 1947
North America	12.00	Holt, Missouri-June 22, 1947
World	15.78	Nei Monggol, Muduocaidang, China, Aug 1, 1977

* This extreme rainfall event occurred between 4 p.m. and 5 p.m. during an intense thunderstorm. A rainfall rate of 1.81 inches in six minutes was registered during the height of the storm. Breaking the rainfall rates down even further during this storm, 3.07 inches fell in 18 minutes and 4.06 inches in a 27-minute period. Flooding and debris flow caused the closure of Highway 50 between Sacramento and Lake Tahoe for five hours. Forni Ridge is located approximately 65 miles east of Sacramento at the 7600 Ft elevation. Various record books list Campo (Eastern San Diego county, just north of the border) with 11.50 inches of rain in an 80-minute period, August 12, 1981.

WEATHER EXTREMES FOR SACRAMENTO COMPARED TO CALIFORNIA, THE UNITED STATES, NORTH AMERICA AND THE WORLD

GREATEST PRECIPITATION IN 24 HOURS (Inches)

Sacramento	7.24	April 20-21, 1880
California	26.12	Hoegee's Camp Ivy (Los Angeles County, Elev.2750 Ft)- January 22-23, 1943
United States	43.00	Alvin, Texas- July 25-26, 1979
North America	43.00	Alvin, Texas- July 25-26, 1979
World	73.62	Cilaos La Reunion (An island 400 miles east of Madagascar)- March 15-16, 1952

GREATEST PRECIPITATION IN ONE CALENDAR MONTH (Inches)

Sacramento	15.04	January 1862
California	81.90	Camp Six (Del Norte County, Elev. 3778 Ft)-December 1981
United States	107.00	Puu Kukui, Maui, Hawaii- March 1942
North America	88.01	Swanson Bay, British Columbia- November 1917
World	366.14	Cherrapunji, India- July 1861

GREATEST PRECIPITATION IN ONE YEAR (Seasonal or Calendar Year)

Sacramento	37.49	Seasonal Year- July 1982-June 1983
California	254.90	Camp Six- October 1981-September 1982
United States	704.83	Kukui, Maui, Hawaii- Calendar Year 1982
	739.00	Kukui, Maui (December 1981-December 1982
North America	332.29	Mac Leod Harbor, Alaska- Calendar Year 1976
World	905.12	Cherrapunji, India- Calendar Year 1861
	1041.78	Cherrapunji, India- August 1860-July 1861

LEAST PRECIPITATION IN ONE YEAR (Seasonal or Calendar Year)

Sacramento	7.25	Seasonal Year- July 1975-June 1976
California	0.00	Bagdad (San Bernardino County)- Calendar Year 1913
	0.00	Greenland Ranch (Death Valley)- Calendar Year 1929
United States	0.00	Same as California
North America	0.00	Same as California
World	0.00	Arica, Chile- October 1903 thru December 1917
	0.00	Kharga, Egypt- December 1957 thru March 1960
	0.00	Iquique, Chile- November 1945 thru May 1957
	0.00	Wadi Halfa, Sudan- June 1945 thru April 1949
	0.00	Bagdad (San Bernardino County)- Calendar Year 1913
	0.00	Greenland Ranch (Death Valley)- Calendar Year 1929

WEATHER EXTREMES FOR SACRAMENTO COMPARED TO CALIFORNIA, THE UNITED STATES, NORTH AMERICA AND THE WORLD

GREATEST SNOWFALL IN 24 HOURS (Inches)

Sacramento	3.5	January 4-5, 1888
California	67.0	Echo Summit (Sierra Ski Ranch, El Dorado County, Elev. 7350 Ft)- January 5, 1982
United States	75.8	Silver Lake, Colorado- April 14-15, 1921
North America	75.8	Silver Lake, Colorado - April 14-15, 1921
World	----	Not Available

GREATEST SNOWFALL IN ONE CALENDAR MONTH (Inches)

Sacramento	4.0	January 1888
California	390.0	Tamarack (Alpine County, Elev. 8000 Ft)-January 1911
United States	390.0	Same as California
North America	390.0	Same as California
World	----	Not available

GREATEST SNOWFALL IN ONE SEASON (Inches)

Sacramento	4.0	1887-1888
California	884.0	Tamarack- 1906-1907
United States	1140.0	Mt. Baker Ski Area, Washington-1998-1999
North America	1140.0	Same as the United States
World	------	Not Available

GREATEST SNOW DEPTH (Inches)

Sacramento	3.0	January 1, 1911
California	451.0	Tamarack- March 11, 1911
United States	451.0	Same as California
North America	451.0	Same as California
World	-----	Not Available

LOWEST SEA LEVEL PRESSURE (Millibars/Inches)

Sacramento	980.2/28.94	January 21, 2010
California	975.6/28.81	Point Reyes- January 27, 1916
United States	892.3/26.35	Matecumbe Key, Florida- September 2, 1935
North America	892.3/26.35	Same as the United States
World	870.0/25.69	Measured by Dropsonde, 520 miles north- west of Guam in the eye of Typhoon "Tip", October 12, 1979

WEATHER EXTREMES FOR SACRAMENTO COMPARED TO CALIFORNIA, THE UNITED STATES, NORTH AMERICA AND THE WORLD

HIGHEST SEA LEVEL PRESSURE (Millibars/Inches)

Sacramento	1041.0/30.74	February 17, 1883
California	1041.0/30.74	Sacramento, February 17, 1883
United States	1078.6/31.85	Northway Airport, Alaska–January 31, 1989
North America	1078.6/31.85	Northway Airport, Alaska–January 31, 1989
World	1085.6/32.61	Tosontsengal, Mongolia–December 19, 2001

HIGHEST SURFACE WIND SPEED (Miles Per Hour)

Sacramento	70	*Fastest Mile–November 13, 1953 and December 7, 1952
California	115	Monterey Naval Air Station (Month and Date unknown) 1950
United States	231	Peak Gust–Mount Washington, New Hampshire–April 12, 1934
North America	231	Same as the United States
World	231	Same as the United States

* The Fastest Mile is the fastest one-minute observed wind speed taken from a multiple register with a time-record of the passing of each mile. Stronger peak gusts have been observed, but official records of peak wind gusts are not available.

NOTE:
Most information on Weather Extremes, other than the data for Sacramento, was extracted from the Weather Bureau Western Region Technical Memorandum WR-28, entitled WEATHER EXTREMES, by Robert J. Schmidli, dated April 1968 (Revised October 1991), The USA Today Weather Almanac, dated 1995, and from the Engineer Research and Development Center, U.S. Army Topographic Engineering Center.

Temperature, precipitation or other extremes of any place on the surface of the earth are determined by a number of factors. Important among these are altitude, latitude, and the physical characteristics of the surface. For an extreme to be recorded, an observation must be made at the precise time and place of occurrence. There is little doubt that more extreme values have occurred than have been recorded, not only because of relatively short periods of record for many observing stations, but also because the very areas where extremes do occur are often the most sparsely settled.