



## **NOAA TECHNICAL MEMORANDUM NWS WR-260**

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### **CLIMATE OF LAS VEGAS, NEVADA**

**Paul H. Skrbac  
National Weather Service Office  
Las Vegas, NV**

**December 1999**

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**U.S. DEPARTMENT  
OF COMMERCE**

National Oceanic and  
Atmospheric Administration

National Weather  
Service



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**Paul H. Skrbac  
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**December 1999**

UNITED STATES  
DEPARTMENT OF COMMERCE  
William M. Daley, Secretary

National Oceanic and  
Atmospheric Administration  
D. James Baker, Under  
Secretary and Administrator

National Weather Service  
John J. Kelly, Jr., Assistant  
Administrator for Weather Services

This publication has been reviewed  
and is approved for publication by  
Scientific Services Division,  
Western Region



Delain A. Edman, Chief  
Scientific Services Division  
Salt Lake City, Utah

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# **CLIMATE OF LAS VEGAS, NEVADA**

**PAUL H. SKRBAC**

## **ABSTRACT**

During the last two decades, the Las Vegas Valley has emerged as one of the fastest growing metropolitan areas in the nation. The population has expanded from about 400,000 in 1980 to an estimated 1.1 million in 1995. In addition, Las Vegas attracts more visitors annually than any other American city except Orlando, Florida. As a result, local forecasters continually field inquiries regarding the area's climate from a broad base of public interests. Yet to this date, no formal publication of the Las Vegas climate record has been made. Official weather observations have been recorded in Las Vegas since 1937, initially at Nellis Field in the northeast portion of the valley, then later at McCarran Field on the south end. This Technical Attachment (TA) represents an effort to assemble these data into a useful reference for National Weather Service personnel to use in responding to climate inquiries. It is also intended to be of some value and interest to the general public.

## **I. TOPOGRAPHY AND HISTORY**

Las Vegas is located in a broad desert valley in extreme southern Nevada. Mountains surrounding the valley extend 2,000 to 10,000 feet above the valley floor. The Las Vegas Valley comprises about 600 square miles and runs from northwest to southeast. The valley is bounded on the north by the Sheep Range, while Boulder City and the Lake Mead National Recreation Area are generally considered its southern extent. To the west are the Spring Mountains, which include Mt. Charleston, the region's highest peak at 11,918 feet. Several smaller ranges line the eastern rim of the valley, including the Muddy Mountains, the Black Mountains and the Eldorado Range.

Official weather observations began in 1937 at what is now Nellis Air Force Base. In late 1948, the U.S. Weather Bureau moved to McCarran Field, now McCarran International Airport. McCarran is located 7 miles south of downtown Las Vegas. It is approximately 5 miles southwest of, and 300 feet higher than the lowest part of the valley. Thus, for most of the Las Vegas metropolitan area, the valley floor slopes downward from west to east. This affects the local climatology significantly in terms of driving variations in wind, precipitation, and storm runoff.

## **II. GENERAL CLIMATIC SUMMARY**

The four seasons are actually well defined in Las Vegas., although they differ from the traditional view of seasonal variation. Summers display classic desert

southwest characteristics. Daily high temperatures typically exceed 100 degrees with lows in the 70s. The summer heat is tempered somewhat by the extremely low relative humidities. However, it is not uncommon for humidity to increase markedly for several weeks each summer in association with a moist "monsoonal flow" from the south, typically during July and August. Aside from increasing the discomfort level, these moist winds also support the development of spectacular desert thunderstorms which are frequently associated with significant flash flooding and/or strong downburst winds.

Winters on the whole, are mild and pleasant. Afternoon temperatures average near 60 degrees and skies are mostly clear. Pacific storms occasionally produce rainfall in Las Vegas, but in general, the Sierra Nevada Mountains of eastern California and the Spring Mountains immediately west of the Las Vegas Valley act as effective barriers to moisture.

Snow accumulation is rare in Las Vegas. Flurries are observed once or twice during most winters, but snowfall of an inch or more occurs only once every four to five years. However, freezing temperatures do occur with some regularity. Based on the 1961-90 period of record, the average first occurrence of 32 degrees in the fall is November 25; the average last occurrence is February 28.

The spring and fall seasons are generally considered ideal. Although rather sharp temperature changes can occur during

these months, outdoor activities are seldom hampered.

Strong winds are arguably the most persistent and provoking weather hazard experienced in the area. Winds over 50 mph are infrequent but can occur with some of the more vigorous storms. Winter and spring wind events often generate widespread areas of blowing dust and sand. Strong wind episodes in the summertime are usually connected with thunderstorms, and are thus more isolated and localized. Prevailing wind direction is typically either southwest or north, unless associated with a thunderstorm outflow.

**MONTHLY NORMALS**

**LAS VEGAS NEVADA**

PERIOD OF RECORD: 1961-1990

	MAX	MIN	AVG	HDD	CDD	PCPN	SEASON TOTAL	
							HDD	CDD
JAN	57.3	33.6	45.5	605	0	0.48	1569	0
FEB	63.3	38.8	51.1	389	0	0.48	1958	0
MAR	68.8	43.8	56.3	292	22	0.42	2250	22
APR	77.5	50.7	64.1	143	116	0.21	2393	138
MAY	87.8	60.2	74.0	14	293	0.28	2407	431
JUN	100.3	69.4	84.9	0	597	0.12	2407	1028
JUL	105.9	76.2	91.1	0	809	0.35	0	1837
AUG	103.2	74.2	88.7	0	735	0.49	0	2572
SEP	94.7	66.2	80.5	0	465	0.28	0	3037
OCT	82.1	54.3	68.3	62	164	0.21	62	3201
NOV	67.4	42.6	55.0	304	0	0.43	366	3201
DEC	57.5	33.9	45.7	598	0	0.38	964	3201
ANNUAL	80.5	53.7	67.1	2407	3201	4.13		

ALL UNITS OF MEASUREMENT IN THIS DOCUMENT ARE DEFINED AS FOLLOWS:

TEMPERATURES ARE IN DEGREES FAHRENHEIT

PRECIPITATION IS IN INCHES

EXTREMES AND RECORDS ARE CONSIDERED THE SAME THING

HEATING AND COOLING DEGREE DAYS ARE BASED ON A 65 DEGREE STANDARD

(eg a mean temp for the day of 75 would equate to 10 cooling degree days  
or a mean temp of 50 degrees would equate to 15 heating degree days)

**MONTHLY EXTREMES (RECORDS)**

MONTH	HIGH MAX	LAST OCCURRED	LOW MIN	LAST OCCURRED	LOW MAX	LAST OCCURRED	HIGH MIN	LAST OCCURRED
JANUARY	77	01/26/75	8#	01/13/63	28#	01/21/37	58	01/20/99
FEBRUARY	87	02/26/86	16	02/07/89	34	02/06/89	59	02/26/89
MARCH	91	03/31/66	19	03/02/39	42	03/01/71	66	03/12/89 + 03/24/98
APRIL	99	04/30/81	31	04/02/75	48	04/2+12/65	74	04/24/43
MAY	109	05/26/51	38	05/03/42	60	05/08/79	82	05/31/97
JUNE	116	06/15/40	48*	06/06/93	67	06/04/99	89	06/30/94
JULY	117#	07/24/42	56	07/21/40	81	07/08/92	91#	07/08/89
AUGUST	116	08/03/79	54	08/03/37	74	08/18/83	89	08/10/95
SEPTEMBER	113	09/01/50	43	09/27/48	67	09/18/65	83	09/01/85
OCTOBER	103	10/01/78	26	10/30/71	50	10/29/71	73	10/05/88
NOVEMBER	87	11/01/88	15	11/24/38	42	11/16/64	62	11/12/83
DECEMBER	78	12/02/40	11	12/23/90	32	12/10/72	57	12/24/55

# - EXTREMES FOR ENTIRE PERIOD OF RECORD (1937-FEB 1998)

\* - ALSO IN PREVIOUS YEARS

PERIOD OF RECORD INCLUDES TWO MAJOR LOCATION MOVES ON DECEMBER 18TH 1948 FROM WHAT IS NOW KNOWN AS NELLIS AIR FORCE BASE (36 DEGREES 14 MINUTES NORTH - 115 DEGREES 02 MINUTES WEST) TO MCCARRAN INTERNATIONAL AIRPORT (36 DEGREES 05 MINUTES NORTH - 115 DEGREES 10 MINUTES WEST) AND FINALLY TO ITS CURRENT LOCATION AT 7851 S. INDUSTRIAL ROAD (36 DEGREES 2 MINUTES 48 SECONDS NORTH - 115 DEGREES 11 MINUTES 4 SECONDS WEST).

# JANUARY

**TEMPERATURE EXTREMES/DAILY NORMALS - 1937 TO DATE**

DATE	HI MAX	LAST OCCURD	LO MIN	LAST OCCURD	LO MAX	LAST OCCURD	HI MIN	LAST OCCURD	NORMAL MAX/MIN
1	69	1981	21	1954	39	1979	47	1996	56/32
2	69	1997*	13	1974	31	1974	52	1997	56/32
3	69	1997	12	1974	32	1974	47	1998	56/32
4	67	1981	14	1970	33	1974	45	1981	56/32
5	68	1948	12	1950	35	1971	46	1986	56/32
6	74	1962	12	1971	35	1971	43	1978	56/33
7	75	1962	15	1971	36	1971	52	1962	56/33
8	74	1962	19	1937	28#	1937	47	1993	56/33
9	72	1945	11	1937	31	1937	47	1962	56/33
10	69	1996	11	1937	35	1949	53	1980	56/33
11	73	1938	14	1937	36	1949	48	1980	56/33
12	71	1986	14	1963	29	1963	51	1980	56/33
13	73	1945	8#	1963	31	1963	48	1980	57/33
14	74	1945	14	1963	42	1997*	50	1980	57/33
15	73	1945	20	1962	38	1997	44	1996*	57/33
16	73	1976	23	1964	38	1949	45	1956	57/33
17	72	1976	20	1949	36	1949	45	1993	57/33
18	72	1971	20	1949	40	1949	49	1954	57/34
19	74	1971	10	1943	35	1949	51	1998	57/34
20	72	1986	17	1937	33	1937	(58)	1999	58/34
21	69	1981	13	1937	28#	1937	52	1969	58/34
22	74	1948	9	1937	31	1937	50	1997	58/34
23	76	1948	14	1937	35	1937	47	1997	58/34
24	75	1948	15	1937	31	1937	51	1999	58/35
25	75	1953	8#	1937	35	1949	50	1956	59/35
26	(77)	1975	10	1937	39	1949	52	1956	59/35
27	73	1971	12	1937	39	1949	48	1941	59/35
28	71	1971	18	1937	35	1979	48	1980	59/35
29	71	1976	17	1979	38	1979	50	1997	59/36
30	72	1971	18	1949	38	1979	54	1963	60/36
31	74	1971	19	1949	37	1979	55	1963	60/36

# - INDICATES THE EXTREME TEMPERATURE FOR ENTIRE PERIOD OF RECORD.

( ) - INDICATES THE MONTHLY EXTREME.

\* - AND IN PREVIOUS YEARS

# FEBRUARY

TEMPERATURE EXTREMES/DAILY NORMALS - 1937 TO DATE

DATE	HI MAX	LAST OCCURD	LO MIN	LAST OCCURD	LO MAX	LAST OCCURD	HI MIN	LAST OCCURD	NORMAL MAX/MIN
1	77	1963	17	1937	37	1985	58	1963	60/36
2	77	1995	22	1951	35	1985	50	1952	61/36
3	75	1995	19	1972	38	1939	47	1992	61/37
4	76	1953	19	1948	43	1949	51	1976	61/37
5	78	1947	18	1939	39	1989	49	1996	61/37
6	78	1963	19	1989	(34)	1989	55	1950	62/37
7	77	1963	(16)	1989	36	1989	48	1993	62/37
8	76	1996	25	1949	36	1989	50	1976	62/38
9	77	1951	19	1946	45	1939	51	1968	62/38
10	74	1951	19	1946	39	1939	54	1962	62/38
11	79	1971	22	1939	44	1948	53	1962	63/38
12	75	1954	22	1965	46	1949	51	1996	63/38
13	79	1957	20	1949	42	1949	52	1954	63/39
14	78	1957	18	1949	42	1990	52	1986	63/39
15	77	1977	22	1949	45	1990	50	1945	64/39
16	79	1996	24	1949	46	1956	55	1991	64/39
17	81	1996	21	1956	49	1956	52	1996	64/39
18	81	1977	17	1938	48	1938	58	1986	64/40
19	82	1981	25	1952	45	1955	58	1986	64/40
20	79	1995	23	1942	43	1955	55	1996	64/40
21	80	1977	21	1955	47	1955	54	1996	65/40
22	77	1961	20	1953	51	1955	54	1995*	65/40
23	78	1947	25	1953	47	1944	53	1957	65/40
24	82	1989	24	1955	49	1987	51	1986	65/40
25	85	1986	26	1960	40	1987	57	1989	65/41
26	(87)	1986	28	1971	40	1944	(59)	1989	65/41
27	83	1986	19	1971	39	1962	56	1940	66/41
28	82	1986	19	1962	45	1962	51	1978	66/41
29	76	1972	33	1996	47	1960	58	1972	66/41

( ) - INDICATES THE MONTHLY EXTREME.

\* - ALSO OCCURRED IN PREVIOUS YEARS

# MARCH

## TEMPERATURE EXTREMES/DAILY NORMALS - 1937 TO DATE

DATE	HI MAX	LAST OCCURD	LO MIN	LAST OCCURD	LO MAX	LAST OCCURD	HI MIN	LAST OCCURD	NORMAL MAX/MIN
1	82	1986	23	1962	(42)	1971	56	1974	66/41
2	82	1967	(19)	1939	47	1951	57	1990	66/41
3	85	1972	23	1971	46	1976	60	1999	66/42
4	84	1972	25	1966	50	1966	58	1972	66/42
5	84	1972	26	1948	51	1976	53	1986	66/42
6	85	1972	24	1939	51	1964	54	1987	67/42
7	84	1972	27	1940	49	1964	53	1994	67/42
8	87	1989	26	1942	43	1952	62	1989	67/42
9	87	1989	27	1964	54	1969	61	1954	67/43
10	89	1972	29	1962	44	1969	59	1982	67/43
11	86	1989	26	1948	47	1958	65	1989	67/43
12	86	1989	27	1940	51	1990	(66)	1989	68/43
13	84	1966	25	1956	47	1969	57	1989	68/43
14	82	1972	27	1962	49	1944	60	1943	68/43
15	84	1994	26	1962	48	1991	56	1980	68/44
16	84	1994	31	1991	52	1963	62	1997	69/44
17	87	1947	30	1955	55	1963	64	1994	69/44
18	88	1972	30	1954	55	1982	64	1974	69/44
19	88	1939	31	1937	51	1979	58	1995	69/44
20	88	1997	34	1964	49	1991	58	1995	70/44
21	88	1997	26	1955	53	1952	59	1978	70/45
22	88	1940	28	1948	49	1973	59	1996	70/45
23	89	1940	32	1938	48	1964	59	1967	70/45
24	89	1940	34	1957	53	1995	(66)	1998	71/45
25	87	1981	31	1964	50	1977	60	1993	71/45
26	87	1947	34	1948	53	1975	65	1971	71/46
27	88	1988	33	1975	49	1991	60	1990	71/46
28	89	1986	31	1975	48	1975	57	1986	72/46
29	86	1966	33	1975	50	1998	60	1986	72/46
30	88	1971	33	1987	57	1938	59	1999	72/46
31	(91)	1966	25	1938	48	1949	58	1986	73/47

( ) - INDICATES THE MONTHLY EXTREME.

# APRIL

## TEMPERATURE EXTREMES/DAILY NORMALS - 1937 TO DATE

DATE	HI MAX	LAST OCCURD	LO MIN	LAST OCCURD	LO MAX	LAST OCCURD	HI MIN	LAST OCCURD	NORMAL MAX/MIN
1	92	1966	35	1948	55	1980	62	1986	73/47
2	95	1966	(31)	1975	(48)	1997	58	1966	73/47
3	91	1961	(31)	1955	52	1965	60	1989	74/47
4	94	1961	(31)	1945	51	1965	63	1989	74/48
5	94	1960	32	1945	59	1965	63	1972	74/48
6	95	1989	35	1945	60	1983	65	1991	75/48
7	98	1989	36	1939	53	1958	62	1960	75/48
8	98	1989	39	1983	56	1965	61	1989	75/49
9	95	1989	32	1953	54	1943	62	1989	75/49
10	91	1985	38	1950	55	1965	66	1960	76/49
11	88	1990	35	1965	54	1965	64	1989	76/49
12	91	1990	32	1967	(48)	1965	61	1957	76/50
13	93	1990	35	1967	58	1972	62	1978	77/50
14	95	1962	38	1983	57	1939	64	1955	77/50
15	97	1947	34	1939	56	1998	64	1994	77/50
16	95	1989	39	1998*	55	1976	66	1962	78/51
17	97	1989	40	1976	56	1963	69	1989	78/51
18	98	1946	35	1963	60	1995	68	1994	78/51
19	98	1938	35	1968	60	1972	65	1994	79/52
20	97	1994	34	1966	62	1967	69	1989	79/52
21	98	1950	37	1966	52	1957	71	1989	79/52
22	97	1939	33	1963	60	1967	70	1950	80/52
23	98	1949	36	1937	58	1999	62	1986	80/53
24	(99)	1946	38	1937	58	1999*	(74)	1943	80/53
25	96	1946	37	1960	64	1971	69	1996	80/53
26	97	1996	42	1967	60	1963	67	1981	81/54
27	97	1992	39	1984	59	1970	70	1996	81/54
28	95	1992	39	1955	55	1970	71	1943	81/54
29	96	1981	35	1970	56	1999	67	1986	82/55
30	(99)	1981	38	1967	56	1999	70	1992	82/55

( ) - INDICATES THE MONTHLY EXTREME.

\* - AND IN PREVIOUS YEARS

# MAY

## TEMPERATURE EXTREMES/DAILY NORMALS - 1937 TO DATE

DATE	HI MAX	LAST OCCURD	LO MIN	LAST OCCURD	LO MAX	LAST OCCURD	HI MIN	LAST OCCURD	NORMAL MAX/MIN
1	102	1947	41	1967	62	1955	67	1965	82/55
2	107	1947	43	1955	65	1955	72	1981	83/56
3	108	1947	(38)	1942	67	1950	70	1985	83/56
4	108	1947	40	1959	67	1964	72	1997	83/56
5	108	1947	40	1950	65	1973	71	1994	84/57
6	103	1947	43	1964	63	1964	69	1947	84/57
7	102	1989	41	1938	62	1964	73	1990	84/57
8	102	1989	42	1964	(60)	1979	74	1989	85/58
9	99	1941	42	1938	70	1953	68	1997	85/58
10	102	1940	41	1948	68	1991	71	1961	85/58
11	103	1960	47	1938	63	1989	70	1997*	86/59
12	104	1996	45	1963	67	1961	74	1993	86/59
13	103	1996	45	1953	66	1998	75	1994	86/59
14	106	1937	45	1998	66	1962	77	1997	87/60
15	107	1937	44	1968	61	1951	74	1997	87/60
16	107	1937	43	1953	67	1962	74	1997	88/60
17	102	1937	43	1962	71	1977	78	1997	88/61
18	103	1973	45	1977	72	1949	72	1997	88/61
19	102	1958	47	1974	63	1974	72	1979	89/61
20	102	1984	46	1975	69	1975	74	1968	89/61
21	104	1942	42	1975	66	1957	75	1989	90/62
22	104	1967	45	1975	73	1971	73	1989	90/62
23	106	1984	48	1980	69	1957	74	1984	90/62
24	102	1943	46	1939	61	1965	77	1984	91/63
25	105	1951	47	1977	69	1996	76	1981	91/63
26	(109)	1951	50	1980	74	1998*	75	1943	92/63
27	108	1974	44	1953	73	1971	77	1951	92/64
28	106	1968	50	1971	64	1971	77	1994	93/64
29	108	1984	46	1953	66	1971	79	1984	93/64
30	106	1997*	48	1971	74	1988	78	1984	94/65
31	104	1997*	47	1937	68	1991	(82)	1997	94/65

( ) - INDICATES THE MONTHLY EXTREME. \* AND IN PREVIOUS YEARS

# JUNE

## TEMPERATURE EXTREMES/DAILY NORMALS - 1937 TO DATE

DATE	HI MAX	LAST OCCURD	LO MIN	LAST OCCURD	LO MAX	LAST OCCURD	HI MIN	LAST OCCURD	NORMAL MAX/MIN
1	105	1977	50	1991	74	1955	78	1997	95/65
2	106	1938	49	1955	76	1999	80	1986	95/65
3	107	1957	53	1961	69	1949	79	1997	96/66
4	109	1996*	50	1999	(67)	1999	77	1990	96/66
5	108	1996	51	1993	75	1993	82	1990	97/66
6	108	1981	(48)	1993	70	1993	78	1981	97/67
7	108	1955	52	1954	68	1995	80	1981	97/67
8	111	1955	52	1995	76	1995	77	1981	98/67
9	111	1985	50	1950	75	1954	80	1978	98/68
10	108	1996	51	1954	75	1957	78	1973	99/68
11	109	1956	55	1976	83	1976	81	1996	99/68
12	112	1940	52	1937	82	1943	81	1994	99/68
13	114	1940	49	1938	77	1997	82	1985	100/69
14	115	1940	55	1943	75	1997	83	1979	100/69
15	(116)	1940	52	1962	80	1962	83	1989	101/69
16	114	1940	53	1944	70	1995	83	1999*	101/70
17	113	1940	50	1944	79	1995	80	1999	101/70
18	115	1940	49	1939	82	1979	80	1991	102/70
19	114	1940	56	1939	85	1975	83	1997	102/70
20	113	1961	53	1939	86	1975	84	1996	102/71
21	111	1954	53	1941	86	1947	83	1999	102/71
22	115	1954	56	1944	91	1976	82	1981	103/71
23	113	1959	55	1944	86	1963	83	1954	103/72
24	113	1961	56	1963	87	1963	83	1981	103/72
25	115	1970	55	1941	86	1975	86	1974	103/72
26	114	1970	56	1944	81	1965	86	1994	104/72
27	114	1977	59	1941	83	1991	86	1994	104/73
28	115	1994	55	1941	91	1991	87	1994	104/73
29	115	1994	60	1941	85	1938	87	1977	104/73
30	115	1994	60	1970	83	1982	(89)	1994	104/74

( ) - INDICATES THE MONTHLY EXTREME.

\* - AND IN PREVIOUS YEARS.

# JULY

## TEMPERATURE EXTREMES/DAILY NORMALS - 1937 TO DATE

DATE	HI MAX	LAST OCCURD	LO MIN	LAST OCCURD	LO MAX	LAST OCCURD	HI MIN	LAST OCCURD	NORMAL MAX/MIN
1	116	1972	58	1938	88	1980	90	1994	105/74
2	115	1950	62	1943	93	1980	88	1994	105/74
3	116	1937	60	1943	(81)	1961	89	1996	105/74
4	115	1985	60	1941	89	1949	85	1986	105/75
5	116	1985	60	1938	89	1937	86	1981	105/75
6	115	1989	63	1939	84	1950	90	1957	106/75
7	114	1989	62	1939	92	1950	83	1996*	106/75
8	113	1989	60	1938	(81)	1992	91#	1989	106/75
9	113	1943	63	1938	89	1999	86	1996	106/76
10	114	1943	64	1948	91	1974	83	1995	106/76
11	116	1959	62	1944	87	1989	86	1973	106/76
12	114	1979	62	1937	87	1999	85	1985	106/76
13	115	1939	64	1944	85	1999	89	1961	106/76
14	116	1972	63	1952	94	1953	84	1958	106/76
15	114	1949	62	1944	89	1974	84	1987	106/77
16	116	1998	65	1944	91	1953	87	1977	106/77
17	115	1959	62	1940	90	1953	87	1997	106/77
18	115	1979	59	1940	85	1985	87	1977	106/77
19	115	1989	(56)	1937	90	1943	84	1990	106/77
20	113	1959	58	1940	(81)	1979	88	1989	107/77
21	113	1942	(56)	1940	86	1986	84	1962	107/77
22	114	1937	62	1943	85	1984	89	1989	106/77
23	115	1942	61	1938	89	1998*	85	1996	106/77
24	117#	1942	64	1957	86	1965	85	1964	106/77
25	115	1942	66	1944	87	1954	86	1980	106/77
26	116	1943	65	1944	91	1950	87	1967	106/77
27	115	1943	63	1944	90	1969	86	1995	106/77
28	114	1995	61	1984	84	1984	87	1995	106/77
29	115	1995	64	1984	92	1999	88	1980	106/77
30	114	1978	64	1941	87	1976	87	1972	106/77
31	115	1978	65	1940	93	1968	86	1995	106/77

# - INDICATES THE EXTREME TEMPERATURE FOR ENTIRE PERIOD OF RECORD.

( ) - INDICATES THE MONTHLY EXTREME.

\* - AND IN PREVIOUS YEARS.

# AUGUST

TEMPERATURE EXTREMES/DAILY NORMALS - 1937 TO DATE

DATE	HI MAX	LAST OCCURD	LO MIN	LAST OCCURD	LO MAX	LAST OCCURD	HI MIN	LAST OCCURD	NORMAL MAX/MIN
1	(116)	1979	66	1940	89	1983	86	1972	106/77
2	115	1979	55	1937	94	1991	88	1996	106/76
3	(116)	1979	(54)	1937	81	1951	87	1980	105/76
4	114	1979	58	1937	82	1970	86	1995	105/76
5	113	1969	63	1953	89	1992	85	1995	105/76
6	114	1978	64	1950	95	1963	88	1994	105/76
7	111	1994	63	1950	92	1963	88	1997*	105/76
8	114	1978	64	1957	91	1938	88	1995	105/76
9	114	1940	65	1951	87	1989	86	1975	105/76
10	115	1940	60	1937	82	1983	(89)	1995	105/75
11	(116)	1940	60	1948	86	1991	86	1958	104/75
12	115	1937	60	1949	82	1979	87	1980	104/75
13	113	1937	60	1949	83	1972	82	1996*	104/75
14	111	1962	64	1984	89	1972	85	1996*	104/75
15	111	1994	60	1938	85	1990	84	1992	104/75
16	113	1939	58	1938	84	1943	85	1992	103/74
17	111	1939	55	1938	(74)	1983	86	1994	103/74
18	111	1992	60	1944	(74)	1983	85	1973	103/74
19	111	1992	60	1938	81	1983	85	1992	103/74
20	110	1950	55	1938	78	1957	87	1992	103/74
21	109	1940	63	1957	(74)	1957	83	1994	102/73
22	110	1939	60	1968	86	1968	81	1986	102/73
23	109	1998*	56	1947	88	1968	85	1998	102/73
24	110	1985	56	1968	80	1982	84	1998*	102/73
25	110	1985	59	1944	84	1982	83	1998*	101/73
26	109	1944	55	1943	91	1982	82	1998	101/72
27	109	1944	60	1943	90	1972	82	1994	101/72
28	110	1944	58	1945	84	1951	80	1958	101/72
29	110	1948	57	1947	90	1942	85	1998	100/72
30	112	1948	55	1947	85	1992	86	1981	100/71
31	112	1948	55	1942	86	1991	83	1985	100/71

( ) - INDICATES THE MONTHLY EXTREME.

\* - AND IN PREVIOUS YEARS

# SEPTEMBER

## TEMPERATURE EXTREMES/DAILY NORMALS - 1937 TO DATE

DATE	HI MAX	LAST OCCURD	LO MIN	LAST OCCURD	LO MAX	LAST OCCURD	HI MIN	LAST OCCURD	NORMAL MAX/MIN
1	(113)	1950	57	1942	80	1960	(83)	1985	100/71
2	110	1950	56	1964	79	1940	(83)	1958	99/71
3	108	1982	55	1946	78	1997	80	1969	99/70
4	111	1947	57	1941	79	1939	(83)	1995*	99/70
5	109	1977	52	1940	80	1970	82	1995	98/70
6	110	1955	54	1970	70	1939	80	1989	98/69
7	108	1977	56	1938	79	1950	80	1947	98/69
8	110	1979	56	1965	84	1941	80	1995	97/69
9	108	1944	50	1941	81	1975	81	1999	97/68
10	108	1945	48	1941	79	1976	81	1994	97/68
11	109	1945	54	1952	77	1985	80	1960	96/68
12	108	1948	53	1985	80	1988	82	1993	96/68
13	109	1948	52	1952	83	1994	80	1960	96/67
14	107	1945	50	1941	82	1978	80	1960	95/67
15	107	1945	49	1941	83	1986	77	1955	95/67
16	107	1937	49	1941	80	1982	76	1992	95/66
17	108	1937	53	1941	71	1965	76	1944	94/66
18	108	1937	53	1965	(67)	1965	79	1980	94/66
19	104	1962	47	1965	70	1985	78	1962	94/65
20	103	1951	46	1965	72	1952	75	1981	93/65
21	104	1943	49	1978	75	1988	73	1981	93/64
22	104	1949	51	1944	72	1941	73	1992	92/64
23	104	1947	46	1941	73	1986	76	1992	92/64
24	106	1947	45	1941	69	1986	79	1992	92/63
25	106	1947	47	1945	68	1939	78	1982	91/63
26	105	1947	45	1948	75	1986	72	1989	91/62
27	104	1947	(43)	1948	68	1986	72	1999*	91/62
28	103	1978	48	1971	68	1986	74	1994	90/62
29	102	1978	51	1940	75	1959	72	1957	90/61
30	101	1978	47	1982	69	1982	74	1969	89/61

( ) - INDICATES THE MONTHLY EXTREME.

\* - AND IN PREVIOUS YEARS

# OCTOBER

## TEMPERATURE EXTREMES/DAILY NORMALS - 1937 TO DATE

DATE	HI MAX	LAST OCCURD	LO MIN	LAST OCCURD	LO MAX	LAST OCCURD	HI MIN	LAST OCCURD	NORMAL MAX/MIN
1	(103)	1978	42	1971	69	1971	69	1951	89/60
2	100	1980	43	1971	73	1984	(74)	1997	89/60
3	99	1987	44	1950	71	1969	69	1998	88/60
4	100	1947	43	1940	69	1969	69	1979	88/59
5	99	1980	41	1937	65	1946	73	1988	87/59
6	98	1980	43	1969	71	1946	72	1990	87/58
7	99	1978	36	1941	68	1938	73	1960	86/58
8	98	1964	41	1941	59	1961	68	1991	86/58
9	97	1996*	41	1949	61	1961	69	1963	85/57
10	97	1996*	40	1961	64	1960	67	1991	85/57
11	95	1991	43	1961	65	1997	70	1980	85/56
12	97	1950	38	1946	63	1947	71	1991	84/56
13	95	1992	41	1946	66	1981	63	1991	84/55
14	96	1950	42	1981	65	1966	69	1992	83/55
15	94	1958	43	1966	66	1994	70	1950	83/54
16	96	1991	42	1984	60	1971	66	1950	82/54
17	94	1991	38	1938	57	1971	67	1991	82/54
18	95	1958	35	1938	60	1971	63	1991	81/53
19	96	1940	35	1946	57	1949	70	1958	81/53
20	95	1940	36	1943	58	1949	64	1975	80/53
21	91	1940	32	1949	62	1996*	65	1961	80/52
22	90	1988	38	1996	54	1953	64	1991	79/52
23	94	1959	37	1953	60	1953	63	1959	79/52
24	92	1959	36	1953	60	1956	64	1983	78/51
25	92	1937	32	1945	64	1954	61	1950	78/51
26	90	1937	35	1945	56	1951	60	1950	77/50
27	92	1937	35	1939	58	1996	61	1950	77/50
28	91	1937	32	1970	53	1996	66	1944	76/50
29	90	1950	30	1971	(50)	1971	65	1988	76/49
30	87	1937	(26)	1971	52	1971	66	1950	75/49
31	86	1988	30	1971	51	1961	62	1990	75/48

( ) - INDICATES THE MONTHLY EXTREME.

\* AND IN PREVIOUS YEARS

# NOVEMBER

## TEMPERATURE EXTREMES/DAILY NORMALS - 1937 TO DATE

DATE	HI MAX	LAST OCCURD	LO MIN	LAST OCCURD	LO MAX	LAST OCCURD	HI MIN	LAST OCCURD	NORMAL MAX/MIN
1	(87)	1988	33	1971	59	1956	60	1988	74/48
2	84	1937	28	1943	56	1974	57	1953	74/47
3	85	1976	26	1943	52	1994	58	1960	73/47
4	85	1988	26	1956	56	1957	56	1988	73/47
5	84	1980	28	1940	50	1957	57	1944	72/46
6	85	1988	27	1940	57	1938	57	1970	72/46
7	83	1991	23	1938	60	1986	55	1984	71/46
8	83	1950	24	1938	55	1946	56	1991	71/45
9	82	1978	26	1945	55	1966	56	1991	70/45
10	81	1990	27	1948	52	1950	60	1978	70/45
11	85	1973	24	1950	52	1946	58	1980	69/44
12	81	1973	24	1950	48	1985	(62)	1983	69/44
13	81	1953	16	1938	49	1985	(62)	1981	68/43
14	81	1995	22	1938	45	1964	61	1981	68/43
15	82	1981	24	1938	47	1964	54	1942	67/43
16	78	1977	24	1938	(42)	1964	51	1981	67/42
17	79	1981	28	1958	43	1964	52	1989	67/42
18	79	1949	23	1958	48	1964	58	1942	66/42
19	78	1976	24	1985	46	1985	55	1950	66/41
20	76	1976	23	1956	46	1953	54	1946	65/41
21	77	1976	24	1945	49	1983	57	1996	65/41
22	77	1976	24	1941	51	1984	55	1996	64/40
23	76	1995*	24	1941	48	1952	50	1965	64/40
24	81	1949	(15)	1938	50	1978	50	1998*	64/40
25	76	1970	18	1938	47	1988	48	1985	63/39
26	75	1997*	24	1944	49	1984	50	1989	63/39
27	79	1954	21	1952	45	1984	48	1977	62/38
28	73	1977	19	1938	48	1976	48	1939	62/38
29	73	1949	21	1948	49	1991	47	1970	62/38
30	79	1980	22	1948	50	1975	50	1961	61/38

( ) - INDICATES THE MONTHLY EXTREME.

\* - AND IN PREVIOUS YEARS

# DECEMBER

## TEMPERATURE EXTREMES/DAILY NORMALS - 1937 TO DATE

DATE	HI MAX	LAST OCCURD	LO MIN	LAST OCCURD	LO MAX	LAST OCCURD	HI MIN	LAST OCCURD	NORMAL MAX/MIN
1	74	1940	26	1957	51	1991	49	1955	61/37
2	(78)	1940	24	1948	51	1991	54	1966	61/37
3	77	1980	23	1948	48	1984	46	1966	60/37
4	76	1939	24	1948	50	1992	52	1980	60/36
5	76	1938	18	1948	42	1972	52	1956	60/36
6	76	1938	23	1942	41	1978	55	1966	59/36
7	76	1938	21	1948	39	1978	46	1986	59/35
8	77	1939	23	1978	38	1978	48	1988	59/35
9	71	1975	16	1956	37	1972	51	1970	58/35
10	74	1950	20	1972	(32)	1972	52	1996*	58/35
11	72	1939	21	1972	36	1972	50	1996	58/34
12	74	1958	15	1949	34	1972	51	1995	58/34
13	70	1952	19	1949	35	1967	55	1995	58/34
14	72	1942	16	1945	36	1967	46	1995	57/34
15	75	1980	14	1940	40	1987	54	1998	57/34
16	74	1980	23	1964	41	1940	46	1957	57/33
17	71	1942	20	1945	43	1967	46	1952	57/33
18	72	1939	22	1945	42	1984	48	1962	57/33
19	68	1942	22	1945	42	1970	48	1943	56/33
20	73	1981	14	1945	42	1990	49	1943	56/33
21	68	1950	20	1990	35	1990	51	1981	56/33
22	68	1950	12	1990	34	1990	49	1982	56/33
23	74	1955	(11)	1990	33	1990	44	1945	56/33
24	70	1942	14	1990	39	1990	(57)	1955	56/33
25	69	1964	17	1948	40	1962	50	1955	56/33
26	73	1980	20	1962	39	1941	48	1983	56/32
27	70	1980	19	1988	36	1941	49	1955	56/32
28	73	1980	20	1954	42	1988	47	1980	56/32
29	73	1980	23	1962	43	1982	52	1951	56/32
30	70	1980	15	1990	40	1990	48	1996*	56/32
31	74	1995	18	1990	45	1975	42	1985	56/32

( ) - INDICATES THE MONTHLY EXTREME.

\* - AND IN PREVIOUS YEARS

# 10 WETTEST AND DRIEST YEARS AND OVERALL MONTHS

## 10 WETTEST MONTHS

\* 4.80.....MAR 1992  
\* 3.39.....SEP 1939  
\* 3.00.....JAN 1995  
\* 2.89.....FEB 1998  
\* 2.59.....AUG 1957  
\* 2.52.....FEB 1993  
2.49.....FEB 1976  
\* 2.48.....JUL 1984  
2.44.....APR 1965  
2.25.....FEB 1980

## 10 DRIEST MONTHS

0.00 MANY TIMES

\* INDICATES WETTEST ALL TIME FOR THAT PARTICULAR MONTH

## 10 WETTEST YEARS

10.72.....1941  
9.88.....1992  
7.96.....1965  
7.65.....1978  
7.30.....1939  
6.96.....1998  
6.85.....1984  
6.79.....1979  
6.77.....1976  
6.59.....1987

## 10 DRIEST YEARS

0.56.....1953  
0.76.....1948#  
1.11.....1968  
1.12.....1964  
1.27.....1985  
1.47.....1962  
1.91.....1966  
2.04.....1956  
2.11.....1989  
2.20.....1944

# INTERRUPTED DURING MOVE

# 10 WETTEST AND DRIEST MONTHS BY MONTH

## 10 WETTEST MONTHS (BY MONTH)

### JANUARY

3.00.....1995  
2.41.....1949  
2.18.....1979  
2.00.....1974  
1.63.....1993  
1.57.....1969  
1.55.....1939  
1.45.....1980  
1.40.....1955  
1.18.....1990

### FEBRUARY

2.89.....1998  
2.52.....1993  
2.49.....1976  
2.25.....1980  
1.64.....1973  
1.58.....1941  
1.51.....1978  
1.30.....1992  
1.18.....1940  
1.10.....1982

## 10 WETTEST

### MARCH

4.80.....1992  
1.83.....1973  
1.63.....1941  
1.58.....1945  
1.50.....1952  
1.44.....1981  
1.17.....1938  
1.13.....1978  
1.07.....1975  
1.03.....1998

### APRIL

2.44.....1965  
1.68.....1941  
0.85.....1943  
0.76.....1988  
0.73.....1999  
0.64.....1958  
0.57.....1952  
0.55.....1939  
0.55.....1957  
0.45.....1983

## 10 DRIEST MONTHS (BY MONTH)

### JANUARY

0.00.....1942  
0.00.....1972  
0.00.....1976  
TRACE....1947  
TRACE....1948  
TRACE....1966  
TRACE....1971  
TRACE....1984  
0.01.....1946/53/68/70/75

### FEBRUARY

0.00.....1953  
0.00.....1956  
0.00.....1967  
0.00.....1977  
TRACE....1947  
TRACE....1952  
TRACE....1972  
0.01.....1961  
0.02.....1951/54/64/85

## 10 DRIEST

### MARCH

0.00.....1956  
0.00.....1972  
0.00.....1988/97  
TRACE....1947  
TRACE....1950  
TRACE....1955  
TRACE....1959  
TRACE....1967  
TRACE....1971  
TRACE....1984/90

### APRIL

0.00.....1962/1996  
TRACE....1937  
1944/45/47/48  
1950/53/54/59  
1969  
1971/74  
1989  
1991/94

# 10 WETTEST AND DRIEST MONTHS BY MONTH (CONT)

## MAY

0.96.....1969  
 0.90.....1987  
 0.84.....1971  
 0.72.....1977  
 0.64.....1989  
 0.54.....1978  
 0.50.....1981  
 0.46.....1972  
 0.40.....1965  
 0.35.....1975/1979

## MAY

0.00.....1948  
 0.00.....1954  
 0.00.....1970  
 0.00.....1984  
 TRACE....1937  
 1942/43  
 1950/52/56/59  
 1960/61/63/66/68  
 1974  
 1985/88  
 1990

## JUNE

0.97.....1990  
 0.82.....1967  
 0.39.....1955  
 0.32.....1972  
 0.31.....1968  
 0.23.....1938  
 0.23.....1969  
 0.22.....1984  
 0.19.....1991  
 0.18.....1970

## JUNE

0.00.....1939  
 1942/43/44/46/47  
 1951/56/58  
 1974/76/78/79  
 1982  
 1994

## JULY

2.48.....1984  
 2.18.....1999  
 1.95.....1976  
 1.68.....1945  
 1.64.....1956  
 1.61.....1954 1962  
 1.55.....1955 1973/77  
 1.34.....1950 1995  
 0.93.....1941  
 0.78.....1979

## JULY

0.00.....1948  
 0.00.....1963  
 0.00.....1981  
 0.00.....1993  
 TRACE....1940/42/43/44

## AUGUST

2.59.....1957  
 2.12.....1979  
 1.79.....1970  
 1.77.....1942  
 1.75.....1941  
 1.74.....1955  
 1.38.....1977  
 1.25.....1983  
 0.99.....1984  
 0.90.....1971

## AUGUST

0.00.....1944  
 0.00.....1956  
 0.00.....1976  
 0.00.....1980  
 0.00.....1985  
 TRACE....1937  
 TRACE....1960  
 TRACE....1962  
 TRACE....1990  
 0.01.....1987

# 10 WETTEST AND DRIEST MONTHS BY MONTH (CONT)

## SEPTEMBER

3.39.....1939  
 2.06.....1997  
 1.58.....1963  
 1.29.....1998  
 1.17.....1975  
 1.09.....1976  
 1.03.....1967  
 0.98.....1951  
 0.88.....1940  
 0.87.....1952  
 0.63.....1972

## SEPTEMBER

0.00.....1942  
 0.00.....1944  
 0.00.....1945  
 0.00.....1955  
 0.00.....1956  
 0.00.....1970  
 0.00.....1971  
 0.00.....1992  
 0.00.....1993/96  
 TRACE....1941/48/49/57  
 TRACE....1964/65/73/79  
 1987/88/89

## OCTOBER

1.22.....1992  
 1.13.....1941  
 1.13.....1947  
 1.12.....1972  
 0.70.....1976  
 0.66.....1946  
 0.63.....1958  
 0.62.....1978  
 0.61.....1963  
 0.61.....1974

## OCTOBER

0.00.....1937  
 0.00.....1952  
 0.00.....1967  
 0.00.....1979  
 0.00.....1988/95  
 TRACE....1950/55  
 1964/65/68  
 1984/89  
 1994

## NOVEMBER

2.22.....1965  
 1.88.....1960  
 1.80.....1987  
 1.52.....1967  
 1.09.....1959  
 1.09.....1972  
 1.04.....1946  
 0.96.....1958  
 0.94.....1984  
 0.81.....1986

## NOVEMBER

0.00.....1942  
 0.00.....1948  
 0.00.....1956  
 0.00.....1980  
 0.00.....1989  
 0.00.....1992/95  
 TRACE....1937/38  
 1943/45  
 1950  
 1962  
 1975/88

## DECEMBER

1.78.....1940  
 1.71.....1992  
 1.68.....1984  
 1.38.....1959  
 1.34.....1943  
 1.15.....1978  
 1.06.....1977  
 1.00.....1965  
 0.96.....1947  
 0.89.....1987

## DECEMBER

0.00.....1956  
 0.00.....1958  
 0.00.....1963  
 0.00.....1981  
 TRACE....1950/53  
 1964/69  
 1989  
 1990

# MEASURABLE PRECIPITATION DAYS AND EXTREMES

## NORMAL .01 DAYS (1961-1990)

JAN.....2.9  
FEB.....2.8  
MAR.....3.3  
APR.....1.9  
MAY.....1.5  
JUN.....0.8  
JUL.....2.4  
AUG.....3.1  
SEP.....1.8  
OCT.....1.4  
NOV.....2.1  
DEC.....2.6

YEARLY  
AVG.....26.6

## MOST EVER (1937-JAN 1997)

13.....1995  
12.....1998  
12.....1973  
8.....1965  
4.....1938/49/71/77/81/87/95  
3.....1949/67/72  
8.....1976/84  
9.....1983  
8.....1939/67  
8.....1946  
6.....1946/65/78  
9.....1984/92

## NORMAL (.10 DAYS) (1961-1990)

JAN.....1.4  
FEB.....1.3  
MAR.....1.1  
APR.....0.6  
MAY.....0.7  
JUN.....0.4  
JUL.....0.7  
AUG.....1.1  
SEP.....0.7  
OCT.....0.6  
NOV.....0.9  
DEC.....1.2

YEARLY  
AVG....10.7

## MOST EVER (1937-JAN 1997)

7.....1949/79  
8.....1998  
9.....1992  
6.....1965  
3.....1977  
2.....1938/72/84/90  
5.....1950  
4.....1972/83  
5.....1939  
4.....1974  
3.....1965/67/87  
6.....1943

# **CONSECUTIVE WET AND DRY DAYS**

## **CONSECUTIVE WET DAYS (0.01 INCH OR GREATER)**

6.....4/43 AND 1/49  
5.....2-3/38...1/74...1/93

## **CONSECUTIVE DAYS WITH A TRACE OR BETTER**

9.....7/52 AND 2/78  
7.....7-8/47...4/65 AND 9/98

## **CONSECUTIVE DRY DAYS**

101.....7/2-10/10/1944 + 9/2/95-12/11/95  
84.....5/2-7/24/1978  
83.....4/8-6/28/1984

## **CONSECUTIVE DAYS WITHOUT MEASURABLE PRECIPITATION**

150.....2/22-7/21/1959  
145.....5/31-10/22/1944  
143.....2/12-7/4/1950

# PRECIPITATION RECORDS

(MAXIMUM AMOUNT RECORDED IN TIME SHOWN)

## JANUARY

(1971-94)

5 MIN.....0.06.....1990/93  
 10 MIN.....0.07.....1993  
 15 MIN.....0.09.....1993  
 30 MIN.....0.13.....1993  
 1 HR.....0.20.....1974/93  
 2 HRS.....0.31.....1974  
 3 HRS.....0.38.....1990  
  
 24 HRS.....1.09.....1990  
 (1937-94)

## FEBRUARY

(1971-94)

5 MIN.....0.14.....1980  
 10 MIN.....0.17.....1980  
 15 MIN.....0.18.....1973  
 30 MIN.....0.25.....1976  
 1 HR.....0.33.....1976  
 2 HRS.....0.45.....1978  
 3 HRS.....0.56.....1978  
  
 24 HRS.....1.30.....1993  
 (1937-94)

## MARCH

(1971-94)

5 MIN.....0.07.....1980/81  
 10 MIN.....0.11.....1981  
 15 MIN.....0.18.....1981  
 30 MIN.....0.23.....1981  
 1 HR.....0.32.....1978  
 2 HRS.....0.54.....1975  
 3 HRS.....0.61.....1975  
  
 24 HRS.....1.27.....1992  
 (1937-94)

## APRIL

(1971-94)

5 MIN.....0.11.....1988  
 10 MIN.....0.15.....1988  
 15 MIN.....0.16.....1988  
 30 MIN.....0.21.....1988  
 1 HR.....0.29.....1988  
 2 HRS.....0.32.....1988  
 3 HRS.....0.34.....1988  
  
 24 HRS.....0.97.....1965  
 (1937-94)

## MAY

(1971-94)

5 MIN.....0.16.....1989  
 10 MIN.....0.27.....1989  
 15 MIN.....0.33.....1989  
 30 MIN.....0.45.....1989  
 1 HR.....0.54.....1989  
 2 HRS.....0.60.....1989  
 3 HRS.....0.61.....1989  
  
 24 HRS.....0.83.....1983  
 (1937-94)

## JUNE

(1971-94)

5 MIN.....0.13.....1990  
 10 MIN.....0.22.....1990  
 15 MIN.....0.25.....1990  
 30 MIN.....0.45.....1990  
 1 HR.....0.70.....1990  
 2 HRS.....0.76.....1990  
 3 HRS.....0.76.....1990  
  
 24 HRS.....0.97.....1990  
 (1937-94)

## JULY

(1971-94)

5 MIN.....0.30.....1976/84  
 10 MIN.....0.59.....1984  
 15 MIN.....0.86.....1984  
 30 MIN.....1.24.....1984  
 1 HR.....1.29.....1984  
 2 HRS.....1.33.....1984  
 3 HRS.....1.35.....1984  
 24 HRS.....1.36.....1984  
 (1937-94)

## AUGUST

(1971-94)

5 MIN.....0.23.....1977  
 10 MIN.....0.34.....1977  
 15 MIN.....0.41.....1979  
 30 MIN.....0.63.....1979  
 1 HR.....0.93.....1979  
 2 HRS.....1.22.....1979  
 3 HRS.....1.38.....1979  
 24 HRS.....2.59.....1957  
 (1937-94)

# PRECIPITATION RECORDS (CONT)

## **SEPTEMBER**

(1971-94)

5 MIN.....0.16.....1975  
 10 MIN.....0.24.....1975  
 15 MIN.....0.35.....1975  
 30 MIN.....0.50.....1975  
 1 HR.....0.86.....1975  
 2 HRS.....0.91.....1975  
 3 HRS.....0.91.....1975  
  
 24 HRS.....1.12.....1939  
 (1937-94)

## **OCTOBER**

(1971-94)

5 MIN.....0.22.....1972  
 10 MIN.....0.23.....1972  
 15 MIN.....0.25.....1972  
 30 MIN.....0.29.....1976  
 1 HR.....0.35.....1976  
 2 HRS.....0.47.....1972  
 3 HRS.....0.52.....1972  
  
 24 HRS.....1.09.....1992  
 (1937-94)

## **NOVEMBER**

(1971-94)

5 MIN.....0.15.....1987  
 10 MIN.....0.22.....1987  
 15 MIN.....0.24.....1987  
 30 MIN.....0.31.....1987  
 1 HR.....0.40.....1987  
 2 HRS.....0.49.....1987  
 3 HRS.....0.57.....1987  
  
 24 HRS.....1.78.....1960  
 (1937-94)

## **DECEMBER**

(1971-94)

5 MIN.....0.04.....1982  
 10 MIN.....0.06.....1982  
 15 MIN.....0.08.....1978  
 30 MIN.....0.14.....1978  
 1 HR.....0.24.....1982  
 2 HRS.....0.33.....1978  
 3 HRS.....0.42.....1978  
  
 24 HRS.....0.95.....1977  
 (1937-94)

## **MOST PRECIPITATION IN 24 HOURS**

2.59.....8/20-21/1957  
 1.78.....11/5-6/1960  
 1.75.....8/9-10/1942  
 1.56.....8/12/1979  
 1.36.....7/28/1984  
 1.34.....8/16-17/1977  
 1.32.....8/3-4/1955  
 1.32.....7/24/1956  
 1.30.....2/7-8/1993  
 1.29.....7/23-24/1955 + 7/8/1999

## 10 COLDEST AND HOTTEST YEARS AND OVERALL MONTHS

### 10 COLDEST YEARS

64.1.....1941  
64.2.....1949  
64.3.....1937  
64.3.....1938  
64.6.....1948  
64.8.....1955  
64.8.....1964  
64.8.....1971  
65.0.....1951  
65.1.....1939/65/82

### 10 HOTTEST YEARS

69.4.....1996  
69.0.....1994/95  
68.7.....1989  
68.6.....1997  
68.5.....1986  
68.3.....1977  
68.2.....1992  
67.9.....1980  
67.8.....1978  
67.8.....1988

### 10 COLDEST OVERALL MONTHS

31.2.....JAN 1937  
32.4.....JAN 1949  
40.2.....DEC 1990  
40.8.....DEC 1968  
40.9.....JAN 1973  
41.0.....JAN 1960  
41.0.....JAN 1974  
41.1.....JAN 1955/63/79  
41.1.....DEC 1948

### 10 HOTTEST OVERALL MONTHS

93.4.....JUL 1959  
93.4.....JUL 1989  
93.2.....JUL 1997  
93.1.....JUL 1972  
92.9.....AUG 1994  
92.8.....JUL 1971  
92.7.....JUL 1981  
92.6.....JUL 1988  
92.4.....JUL 1977  
92.2.....AUG 1969

# 10 COLDEST AND HOTTEST MONTHS BY MONTH

## COLDEST

### JANUARY

31.2.....1937  
 32.4.....1949  
 40.9.....1973  
 41.0.....1960  
 41.0.....1974  
 41.1.....1955  
 41.1.....1963  
 41.1.....1979  
 41.2.....1950  
 41.8.....1952

## HOTTEST

### JANUARY

51.7.....1986  
 51.1.....1981  
 50.5.....1999  
 50.4.....1953  
 49.5.....1980  
 49.3.....1994  
 48.8.....1956  
 48.7.....1998  
 48.5.....1996  
 48.3.....1997

### FEBRUARY

41.2.....1939  
 41.8.....1949  
 43.7.....1955  
 44.8.....1937  
 45.6.....1956  
 45.6.....1964  
 45.8.....1966  
 46.0.....1960  
 46.3.....1942  
 46.3.....1969

### FEBRUARY

58.6.....1995  
 55.9.....1991  
 55.8.....1963/86  
 55.7.....1968  
 55.0.....1957  
 54.8.....1996  
 54.2.....1977  
 54.1.....1954/92  
 53.4.....1947

### MARCH

50.4.....1948  
 50.4.....1952  
 50.7.....1973  
 51.3.....1962  
 52.1.....1948  
 52.2.....1954  
 52.3.....1964  
 52.6.....1977  
 52.7.....1991  
 53.0.....1945/69

### MARCH

63.7.....1972  
 63.4.....1989  
 63.0.....1986  
 62.7.....1994/97  
 60.9.....1993  
 60.5.....1990  
 59.9.....1947  
 59.9.....1978  
 59.8.....1996  
 59.7.....1960

### APRIL

56.2.....1967  
 56.6.....1975  
 58.5.....1963  
 58.5.....1983  
 58.6.....1970  
 59.2.....1941  
 60.3.....1955  
 61.1.....1998  
 61.2.....1965  
 61.6.....1937

### APRIL

72.7.....1989  
 70.6.....1981  
 70.5.....1992  
 70.3.....1962  
 69.6.....1954  
 69.1.....1946  
 68.8.....1990  
 68.7.....1959  
 68.6.....1977  
 68.4.....1987

# 10 COLDEST AND HOTTEST MONTHS BY MONTH (CONT)

## MAY

66.2.....1953  
 67.7.....1977  
 68.0.....1971  
 69.0.....1980  
 69.3.....1957  
 69.6.....1965  
 69.9.....1991  
 70.0.....1998  
 70.2.....1938  
 70.2.....1955

## MAY

81.6.....1997  
 80.7.....1984  
 78.8.....1947  
 78.0.....1940  
 78.0.....1958  
 77.8.....1954  
 77.8.....1976  
 77.7.....1992  
 77.5.....1966  
 77.3.....1996

## JUNE

77.6.....1944  
 78.0.....1965  
 78.6.....1963  
 78.8.....1941  
 79.6.....1967  
 80.0.....1998  
 80.2.....1943  
 80.3.....1952  
 80.8.....1945  
 80.9.....1964/95

## JUNE

90.3.....1994  
 89.1.....1974  
 88.8.....1981  
 88.0.....1977  
 87.8.....1986  
 87.4.....1960  
 87.4.....1985  
 87.1.....1978  
 87.0.....1961  
 87.0.....1996

## JULY

86.9.....1976  
 86.9.....1987  
 87.0.....1938  
 87.1.....1944  
 87.2.....1941  
 87.2.....1955  
 87.6.....1986  
 87.8.....1937  
 88.1.....1982  
 88.2.....1952/56/84/97/99

## JULY

93.4.....1959  
 93.4.....1989  
 93.3.....1994  
 93.2.....1996  
 93.1.....1972  
 92.8.....1971  
 92.7.....1981  
 92.6.....1988  
 92.4.....1977  
 92.0.....1980/85

## AUGUST

83.0.....1941  
 83.5.....1968  
 83.8.....1983  
 85.0.....1949  
 85.4.....1984  
 85.5.....1951  
 85.5.....1976  
 85.9.....1979  
 86.0.....1938  
 86.0.....1954

## AUGUST

93.1.....1995  
 92.9.....1994  
 92.2.....1969  
 92.0.....1998  
 91.9.....1996  
 91.2.....1986  
 90.8.....1952  
 90.7.....1997  
 90.5.....1958/92  
 90.3.....1967

## 10 COLDEST AND HOTTEST MONTHS BY MONTH (CONT)

### SEPTEMBER

COLDEST

73.0.....1941  
74.8.....1965  
75.4.....1985  
75.4.....1986  
75.6.....1939  
75.6.....1961  
76.3.....1940  
77.2.....1970  
77.4.....1942  
77.6.....1971

### SEPTEMBER

HOTTEST

85.3.....1979  
83.7.....1992/95  
83.4.....1956  
83.4.....1974  
83.3.....1947  
83.1.....1994  
82.5.....1969  
82.5.....1981  
82.5.....1983  
82.2.....1949

### OCTOBER

COLDEST

60.7.....1941  
61.6.....1946  
61.7.....1971  
62.8.....1969  
63.0.....1982  
63.0.....1984  
63.3.....1949  
63.4.....1938  
63.5.....1972  
63.7.....1939/57

### OCTOBER

HOTTEST

74.9.....1988  
73.5.....1978  
72.2.....1991  
72.0.....1964  
71.9.....1952  
71.8.....1950  
71.4.....1977  
71.0.....1987  
70.9.....1992  
70.7.....1979

### NOVEMBER

COLDEST

46.0.....1938  
49.0.....1957  
49.4.....1994  
49.5.....1952  
49.6.....1948  
49.7.....1972  
50.0.....1964  
50.1.....1940  
50.3.....1947  
50.3.....1961

### NOVEMBER

HOTTEST

59.8.....1995  
58.9.....1949  
58.0.....1976/81  
57.3.....1962  
57.3.....1989  
57.2.....1954  
57.2.....1977  
56.8.....1980  
56.7.....1967  
56.6.....1950

### DECEMBER

COLDEST

40.2.....1990  
40.8.....1968  
41.1.....1948  
41.3.....1972  
41.4.....1971  
41.6.....1967  
42.3.....1951  
42.5.....1961  
42.5.....1987  
42.9.....1978

### DECEMBER

HOTTEST

52.7.....1980  
51.9.....1977  
51.2.....1950  
48.9.....1995  
48.8.....1958/81  
48.6.....1946  
48.5.....1939  
48.3.....1985  
48.2.....1975  
48.0.....1989

# DESERT HEAT STATISTICS

## 90 DEGREE DAYS

(AVG PER MONTH)	MOST EVER	LEAST EVER
1961-1990	1937-1996	1937-1996
MAR.....0.0*	1...1966*	
APR.....3.3	14...1946	0...MANY TIMES
MAY.....15.4	26...1937	3...1953
JUN.....25.7	30...MANY TIMES	19...1963/98
JUL.....30.5	31...MANY TIMES	28...1984
AUG.....29.8	31...MANY TIMES	24...1983
SEP.....22.2	30...1947/79	11...1986
OCT.....6.0	19...1991	0...MANY TIMES

AVG 90 DEGREE DAYS....132.9 \* ONLY OCCURRED ONCE 3/31/1966

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**NORMAL 90 DEGREE DAYS EXTEND FROM  
.....MAY 21ST TO SEP 29TH.....**

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## **MOST 90 DEGREE DAYS IN A YEAR (1937-1996)**

158.....1937/40  
157.....1943/58

## **LEAST 90 DEGREE DAYS IN A YEAR (1937-1996)**

102.....1998  
110.....1982  
111.....1983  
117.....1941

## 100 DEGREE DAYS

(AVG PER MONTH)	MOST EVER	LEAST EVER
1961-1990	1937-1996	1937-1996
MAY.....2.4	14...1947	0...MANY TIMES
JUN.....14.9	25...1974	1...1965
JUL.....25.9	31...1944/63/71/88	15...1999
AUG.....21.2	31...1937/44/52/85	14...1968/83/84
SEP.....7.0	22...1943	0...1961/65/67/72
OCT.....0.1	2...1980	0...MANY TIMES

AVG 100 DEGREE DAYS....71.5

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**NORMAL 100 DEGREE DAYS EXTEND FROM  
.....JUN 13TH TO SEP 1ST.....**

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# DESERT HEAT STATISTICS (CONT)

(Data from 1937-1996)

## MOST 100 DEGREE DAYS IN A YEAR (1937-1996)

100.....1947  
95.....1946/48

## LEAST 100 DEGREE DAYS IN A YEAR (1937-1996)

44.....1965  
55.....1941/92

**105 DEGREE DAYS  
(AVG PER MONTH)  
1961-1990**

**MOST EVER  
1937-1996**

**LEAST EVER  
1937-1996**

MAY.....0.3	MAY.....4/1947	MAY.....0 (NMRS TIMES)
JUN.....7.4	JUN...17/1940/85	JUN.....0/1965/69
JUL....15.9	JUL...28/1942	JUL....5/1955
AUG....10.0	AUG...23/1969	AUG....1/1968
SEP.....1.8	SEP...11/1945/48	SEP.....0 (NMRS TIMES)

AVG 105 DEGREE DAYS....35.4

**110 DEGREE DAYS  
(AVG PER MONTH)  
1961-1990**

**MOST EVER  
1937-1996**

**LEAST EVER  
1937-1996**

JUN.....2.0	JUN...10/1940/61	SEVERAL YEARS
JUL.....5.0	JUL...17/1942	NEVER REACHED
AUG....1.6	AUG...10/1937	
SEP.....0.*	SEP....3/1947	

AVG 110 DEGREE DAYS.....8.6 \* 1 IN 30 YEARS

**115 DEGREE DAYS  
(AVG PER MONTH)  
1961-1990**

**MOST EVER  
1937-1996**

JUN.....0.1	JUN....3/1940/94
JUL.....0.4	JUL....3/1942
AUG.....0.1	AUG....3/1979

AVG 115 DEGREE DAYS.....0.6

**AVG HOTTEST HIGH (BY MONTH)  
(1949-97)**

**AVG HOTTEST HIGH FOR THE SUMMER  
(JUN-SEP) (1949-97)**

JAN.....68	JUL....112	.....113.....
FEB.....75	AUG....110	
MAR.....83	SEP....105	
APR.....92	OCT.....94	
MAY.....101	NOV.....79	
JUN.....110	DEC.....68	

# DESERT HEAT STATISTICS (CONT)

## CONSECUTIVE 90 DEGREE DAYS

118.....5/7/1940-9/1/40  
114.....5/29/1956-9/19/56  
109.....5/26/1994-9/11/94

## CONSECUTIVE 100 DEGREE DAYS

66.....6/27-8/31/1944  
46.....6-8/1988  
45.....7-8/1971

## CONSECUTIVE DAYS 105 OR HOTTER

21.....7/1957  
21.....6-7/1973  
19.....6-7/1972

## CONSECUTIVE DAYS 110 OR HOTTER

10.....6/1961  
9.....7/1961  
9.....7/1978

## CONSECUTIVE DAYS 115 OR HOTTER

3.....6/28-30/1994  
3.....6/30-7/2/1950  
3.....7/22-24/1942

## EARLIEST DAY WITH READING

80 OR HIGHER.....2/17/1977 + 1996  
90 OR HIGHER.....3/31/1966  
100 OR HIGHER.....5/1/1947  
110 OR HIGHER.....6/8/1955  
115 OR HIGHER.....6/14/1940

## LATEST DATE OF LAST...

80 OR HIGHER.....11/24/1949  
90 OR HIGHER.....10/29/1937+50  
100 OR HIGHER.....10/4/1947  
110 OR HIGHER...SEVERAL YEARS  
115 OR HIGHER...NEVER OCCURRED

## LATEST DATE OF FIRST

80 OR HIGHER.....4/15/1958  
90 OR HIGHER.....5/21/1993  
100 OR HIGHER.....6/30/1965  
110 OR HIGHER.....SEVERAL YEARS  
NEVER REACHED

## EARLIEST IN SEASON TO END WITH

80 OR HIGHER.....10/10/1957  
90 OR HIGHER.....9/28/1968  
100 OR HIGHER.....8/28/61  
110 OR HIGHER...SEVERAL YEARS  
NEVER REACHED

## AVERAGE DATE OF FIRST

80.....MARCH 20TH  
90.....APRIL 23RD  
100.....MAY 27TH  
105.....JUNE 10TH

# FROST/FREEZE DATA

## CONSECUTIVE DAYS WITH LOWS 32 OR LESS

32.....1/3/1947-2/3/47  
25.....12/28/48-1/21/49  
22.....12/7-28/1937  
22.....1/7-28/1947

## HIGHS LESS THAN OR EQUAL TO 32

JAN.....5/1937  
FEB-NOV.....NEVER OCCURRED  
DEC.....1/1972

## AVERAGE LOWS LESS THAN OR EQUAL TO 32...BY MONTH (1961-1990)

JAN.....12.5
FEB.....4.3
MAR.....1.2
APR.....0.1
MAY-SEP....NEVER OCCURRED
OCT.....0.1
NOV.....2.2
DEC.....11.2

## MOST LOWS AT OR BELOW FREEZING

JAN.....30 IN 1947/49
FEB.....23 IN 1939
MAR.....12 IN 1948
APR.....2 IN 1945
MAY-SEP....NEVER OCCURRED
OCT.....3 IN 1971
NOV.....21 IN 1938
DEC.....25 IN 1948

## AVERAGE...31.5

**EARLIEST DATE WITH READING OF**  
32 OR LESS.....10/21/1949  
28 OR LESS.....10/30/1971  
24 OR LESS.....11/7/1938

**LATEST DATE IN SPRING WITH**  
32 OR LESS.....4/12/1967  
28 OR LESS.....3/22/1948  
24 OR LESS.....3/3/1971

**AVG DATE OF FIRST FREEZE (1961-90)**  
.....11/25.....

**AVG DATE OF LAST FREEZE (1961-90)**  
.....2/28.....

**SHORTEST FREEZE FREE PERIOD....202 DAYS (4/6/45-10/24/45)**  
**AVERAGE FREEZE FREE PERIOD....269 DAYS**  
**LONGEST FREEZE FREE PERIOD....367 DAYS (12/17/94-12/18/95)**

**LATEST DATE IN FALL/WINTER**  
**OF FIRST READING**  
32 OR LESS.....12/19/95  
28 OR LESS.....NONE IN 1959/77/91  
24 OR LESS.....NONE NUMEROUS YEARS

**EARLIEST IN WINTER/SPRING**  
**SEASON FOR LAST READING**  
32 OR LESS.....12/16/94  
28 OR LESS.....NONE 77-78/91-92  
24 OR LESS.....NONE MANY TIMES

## AVG COLDEST LOW (BY MONTH) (1949-97)

JAN.....22
FEB.....27
MAR.....32
APR.....39
MAY.....47
JUN.....57
JUL.....66
AUG.....65
SEP.....55
OCT.....42
NOV.....29
DEC.....24

## AVG COLDEST LOW FOR THE WINTER (NOV-FEB) (1949-98)

.....20.....
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# THUNDERSTORM DAYS

## AVERAGE PER MONTH (1961-90)

JAN.....0.0
FEB.....0.3
MAR.....0.4
APR.....0.4
MAY.....1.0
JUN.....1.2
JUL.....3.6
AUG.....4.1
SEP.....1.8
OCT.....0.5
NOV.....0.1
DEC.....0.0*

\* OCCURRED ONCE IN 30 YEARS

ANNUAL AVG.....13.4

## MOST EVER BY MONTH (1951-96)

JAN.....0
FEB.....1 NUMEROUS YEARS
MAR.....4...1992
APR.....3...1952
MAY.....4...1965/92
JUN.....6...1972
JUL.....9...1952
AUG.....12...1955
SEP.....6...1967
OCT.....4...1974
NOV.....2...1959
DEC.....1...1966

## MOST THUNDERSTORM DAYS IN A MONSOON SEASON JUNE-SEPTEMBER (1951-1994)

22.....1955
20.....1961/67/84
18.....1998
17.....1972

# HAIL DAYS

## AVG PER MONTH (1961-90)

JAN.....0.0
FEB.....0.0*
MAR.....0.1
APR.....0.0
MAY.....0.1
JUN.....0.1
JUL.....0.0
AUG.....0.0*
SEP.....0.1
OCT.....0.0
NOV.....0.0
DEC.....0.0

## MOST EVER BY MONTH (1951-1999)

JAN.....0
FEB.....1...1970
MAR.....2...1992
APR.....0
MAY.....1...1973/75/79
JUN.....1...1955/67/69/70
JUL.....1...1960
AUG.....1...1989
SEP.....1...1972/83
OCT.....0
NOV.....0
DEC.....0

\* OCCURRED ONCE IN 30 YEARS

ANNUAL AVG.....0.4

## MOST HAIL DAYS IN MONSOON SEASON JUNE-SEPTEMBER (1951-94)

1.....SEVERAL OCCASIONS

# WIND NORMALS...MEANS AND EXTREMES

## MEAN

JAN.....WSW	7.4
FEB.....WSW	8.6
MAR.....SW	10.4
APR.....SW	11.0
MAY.....SW	11.5
JUN.....S	11.4
JUL.....S	10.4
AUG.....S	9.8
SEP.....SW	9.1
OCT.....SW	8.2
NOV.....SW	7.7
DEC.....WSW	7.0
ANN.....SW	9.4

## ALL TIME WINDIEST MONTHS\* (1949-98)

JAN....11.2....1982
FEB....11.3....1986
MAR....13.8....1984
APR....14.4....1957
MAY....13.7....1955
JUN....14.5....1958
JUL....13.3....1963
AUG....13.6....1954
SEP....12.3....1986
OCT....10.5....1975
NOV....10.8....1983
DEC....10.1....1988

## PEAK GUSTS BY MONTH IN MPH

JAN.....WSW 58.....1/24/65
FEB.....NW 73.....2/19/76
MAR.....NW 82.....3/21/84
APR.....W 69.....4/30/88
MAY.....NW 73.....5/30/91
JUN.....NNW 67.....6/7/64
JUL.....S 75.....7/14/91
AUG.....SE 90.....8/8/89
SEP.....SE 73.....9/4/73
OCT.....SW 71.....10/23/56
NOV.....S 70.....11/20/83
DEC.....W 68.....12/5/51

\* PREVAILING WIND DIRECTION TO NEAREST CARDINAL COMPASS POINT.  
MEAN WINDSPEEDS IN MILES PER HOUR.

# 10 WINDIEST MONTHS BY MONTH

JAN	FEB
11.2.....1982 9.5.....1980 9.3.....1957 9.2.....1989 8.9.....1962/73/75 8.8.....1987 8.3.....1965/90/97	11.3.....1986 11.0.....1955 10.9.....1956 10.7.....1989 10.3.....1960/90 10.2.....1962/84 9.9.....1964/77
MAR	APR
13.8.....1984 13.5.....1977 13.1.....1985 13.0.....1975/89 12.3.....1954 12.0.....1982 11.9.....1957 11.5.....1983 11.3.....1976/86	14.4.....1957 13.9.....1963 13.8.....1955 13.4.....1983 13.3.....1986 12.8.....1972 12.7.....1973/84 12.6.....1964 12.3.....1956
MAY	JUN
13.7.....1955 13.6.....1956 13.4.....1989/90 13.1.....1985 12.9.....1988 12.7.....1962 12.6.....1957 12.5.....1959/61/63	14.5.....1958 13.6.....1980 13.4.....1963 13.3.....1954/78 12.8.....1989 12.7.....1976/90 12.6.....1956 12.4.....1981/97
JUL	AUG
13.3.....1963 12.8.....1958/83 12.6.....1981 12.5.....1955 12.3.....1972 12.2.....1989 12.1.....1957 11.8.....1988 11.7.....1977	13.6.....1954 12.1.....1957 12.0.....1962 11.8.....1976 11.7.....1956/89 11.4.....1985 11.3.....1960/95 10.7.....1963 10.5.....1964/75/77/88/90

# 10 WINDIEST MONTHS BY MONTH (CONT)

## SEP

12.3.....1986  
12.0.....1954  
11.1.....1989  
11.0.....1955/85  
10.7.....1977  
10.3.....1956  
10.2.....1964  
10.0.....1963  
9.8.....1981

## OCT

10.5.....1975  
10.4.....1956  
10.2.....1973/81  
10.0.....1961/84  
9.9.....1989  
9.7.....1962  
9.3.....1979  
9.1.....1985

## NOV

10.8.....1983  
10.4.....1973  
10.1.....1988/94  
10.0.....1985  
9.9.....1975  
9.3.....1964  
9.0.....1961/80/81/82

## DEC

10.1.....1988  
9.5.....1982  
9.1.....1972  
8.8.....1987  
8.6.....1959/67/75  
8.5.....1971/97  
8.4.....1998

# HEATING/COOLING DEGREE DAYS

## NORMALS (HDD/CDD)

### NORMALS (1961-90)

JAN.....605/0  
FEB.....389/0  
MAR.....292/22  
APR.....143/116  
MAY.....14/293  
JUN.....0/597  
JUL.....0/809  
AUG.....0/735  
SEP.....0/465  
OCT.....62/164  
NOV.....304/0  
DEC.....598/0

**ANNUAL HDD...2407**  
**CDD...3201**

### MOST/LEAST HDD EVER (1937-94)

JAN.....1049...1937  
404...1986  
FEB.....666...1939  
170...1995  
MAR.....451...1948  
93...1994  
APR.....249...1975  
7...1992  
MAY.....60...1953  
0...MANY TIMES  
JUN.....8...1994  
0...MANY TIMES  
JUL/AUG NEVER OCCURRED  
SEP.....15...1966  
0...MANY TIMES  
OCT.....207...1971  
0...1944/52/88  
NOV.....569...1938  
151...1995  
DEC.....761...1990  
374...1980

### MOST/LEAST CDD (1971-94)

JAN.....NEVER OCCURRED  
FEB.....20...1986  
0...NUMEROUS YEARS  
MAR.....74...1989  
0...SEVERAL YEARS  
APR.....259...1989  
2...1975  
MAY.....522...1997  
148...1971  
JUN.....768...1994  
457...1998  
JUL.....883...1994  
685...1987  
AUG.....880...1995  
589...1983  
SEP.....614...1979  
319...1985  
OCT.....312...1988  
30...1982  
NOV.....31...1988  
0...NUMEROUS TIMES  
DEC.....NEVER OCCURRED

# SNOW (1937-98)

## NORMALS (1961-90)

JAN.....0.8  
FEB.....0.1  
MAR.....0.\*  
APR-SEP.....NEVER OCCURRED  
OCT.....0.0  
NOV.....0.2  
DEC.....0.\*  
\* LESS THAN 0.1  
**ANNUAL AVERAGE.....1.1**

## MOST EVER BY MONTH (1937-94)

16.7.....JAN/1949  
4.1.....FEB/1939  
0.1.....MAR/1976  
TRACE...OCT/1956  
4.0.....NOV/1964  
2.0.....DEC/1967

## 6 SNOWIEST MONTHS

16.7.....1/1949  
13.4.....1/1974  
9.9.....1/1979  
4.1.....2/1939  
4.0.....11/1964  
2.0.....12/1967

## MOST SNOW IN 24 HOURS

9.0.....1/4-5/1974  
7.5.....1/30-31/1979  
5.0.....1/11-12/1949  
4.1.....2/3-4/1939  
4.0.....11/15-16/1964

## GREATEST SNOW DEPTHS (INCHES)

8.....1/5/1974  
7.....1/12/1949  
6.....1/31/1979

## MOST SNOW IN A SEASON

16.7....1948/49  
13.4....1973/74  
10.2....1978/79  
4.1....1938/39  
4.0....1964/65

## BIGGEST SNOW STORMS

9.7.....1/10-12/1949  
9.0.....1/4-5/1974  
7.8.....1/30-2/2/1979  
4.7.....1/25/1949  
4.1.....2/3-4/1939  
4.0.....11/15-16/1964  
2.4.....1/28/1979  
2.3.....1/19-20/1949  
2.0.....12/15/1967  
1.5.....1/12/1937 AND 1/7/1955  
1.4.....2/19/1990  
1.0.....1/20/1945...1/29/1957...12/6/98

## CONSECUTIVE SNOW DAYS (TRACE OR MORE)

5.....1/9-13/1949  
5.....1/4-8/1974

## CONSECUTIVE SNOW DAYS (MEASURABLE)

3.....1/11-13/1949  
3.....1/30-2/1/1979

## EARLIEST SNOW EVER

Trace.....10/31/56  
Measurable.....11/15/64...3.0" (1" more on the 16th)

## LATEST SNOW EVER

Trace.....4/4/58  
Measurable.....3/3/76.....0.1"

# SUNSHINE

## NORMAL SUNSHINE (PERCENT OF POSSIBLE, 1961-90)

JAN.....	77
FEB.....	80
MAR.....	83
APR.....	87
MAY.....	88
JUN.....	93
JUL.....	88
AUG.....	88
SEP.....	91
OCT.....	87
NOV.....	81
DEC.....	79

ANNUAL AVG.....85

## MEAN SKY COVER (IN TENTHS) (1961-90 NORMALS)

JAN.....	4.8
FEB.....	4.7
MAR.....	4.6
APR.....	3.8
MAY.....	3.4
JUN.....	2.1
JUL.....	2.8
AUG.....	2.5
SEP.....	2.1
OCT.....	2.8
NOV.....	3.9
DEC.....	4.4

ANNUAL AVG.....3.5

## SUNSHINE (CONT)

### SUNNIEST MONTHS ALL TIME (PERCENT OF POSSIBLE, 1951-98)

JAN	FEB
95.....1976/84	94.....1984
92.....1972/96	93.....1954/64
91.....1971	92.....1956/72/74/95
MAR	APR
97.....1972	97.....1974
96.....1953/88	96.....1969/81
95.....1956/90/97	94.....1966/89
MAY	JUN
98.....1984	98.....1952/58/71/74/96
95.....1952/70/76	97.....1956/61/76/83/92
JUL	AUG
99.....1993	98.....1976/85
96.....1963/83/95	97.....1952/56/80
95.....1958/71/72	95.....1966/78
SEP	OCT
100.....1970	96.....1967/76/97
99.....1955	95.....1973/80
98.....1993	93.....1954/64/89/91
NOV	DEC
98.....1956	96.....1976/95
96.....1988	94.....1963/88
95.....1976	93.....1998

### ALL TIME SUNNIEST YEARS (IN PERCENTAGE OF POSSIBLE)

93.....1976  
92.....1989  
91.....1956

# CLOUDIEST MONTHS AND YEARS

(IN PERCENTAGE OF POSSIBLE SUNSHINE, 1951-94)

JAN	FEB
45.....1995	55.....1998
53.....1979	61.....1983
54.....1978	62.....1973
MAR	APR
64.....1958	73.....1965
70.....1973/75	76.....1952/57
73.....1952	
MAY	JUN
72.....1977	80.....1977
73.....1995	84.....1965
77.....1951/57/94	86.....1972
JUL	AUG
75.....1984	74.....1955
76.....1954	76.....1982
78.....1970	78.....1971
SEP	OCT
75.....1963	55.....1972
78.....1967	70.....1987
79.....1989/97	71.....1951/96
NOV	DEC
69.....1982	61.....1983
70.....1972	63.....1971
71.....1964/96	64.....1977

ALL TIME CLOUDIEST YEARS  
(IN PERCENTAGE OF POSSIBLE SUNSHINE)

78.....1957  
80.....1986  
81.....1965

# RELATIVE HUMIDITY

## AVERAGE RELATIVE HUMIDITY (IN PERCENTAGE)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
--	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------

### LOCAL TIME

HOUR 04	56	51	46	35	32	25	29	35	33	37	46	55	40
HOUR 10	42	36	31	22	19	15	19	24	22	25	32	40	27
HOUR 16	31	27	22	16	14	11	15	17	17	19	26	32	21
HOUR 22	50	43	37	26	23	17	22	26	26	30	40	49	32

# FOG

## NORMALS (VISIBILITIES 1/4 MILES OR LESS) (1961-90)

JAN.....	0.3
FEB.....	0.1
MAR.....	0.1
APR-AUG....	NONE
SEP.....	0.*
OCT.....	0.*
NOV.....	0.1
DEC.....	0.2

ANNUAL AVG...0.8

\* LESS THAN 0.05

## AVERAGE FOG DAYS (<= 5/8 MILE) (1971-98)

JAN.....	1.2
FEB.....	0.8
MAR.....	0.4
APR.....	0.1
MAY.....	0.*
JUN.....	0.0
JUL.....	0.*
AUG.....	0.1
SEP.....	0.*
OCT.....	0.1
NOV.....	0.3
DEC.....	0.7

ANNUAL AVG.....3.7

\* LESS THAN 0.05

## FOGGIEST MONTHS (<= 5/8 MILE) (1971-98)

JAN.....	5 IN 1980
FEB.....	5 IN 1980
MAR.....	3 IN 1981/92
APR.....	2 IN 1988
MAY.....	1 IN 1977/87
JUN.....	0
JUL.....	1 IN 1984
AUG.....	1 IN 1979/83
SEP.....	1 IN 1983
OCT.....	1 IN 1978/87/92
NOV.....	3 IN 1987
DEC.....	5 IN 1984

# PRESSURE

## ALL TIME HIGHEST (BY MONTH) (1937-94)

JAN.....30.76...1979  
FEB.....30.61...1943/60  
MAR.....30.61...1971  
APR.....30.39...1963/71  
MAY.....30.55...1966  
JUN.....30.24...1981  
JUL.....30.18...1988  
AUG.....30.18...1981  
SEP.....30.29...1970  
OCT.....30.55...1981  
NOV.....30.72...1969  
DEC.....30.80...1967

## ALL TIME LOWEST (BY MONTH) (1937-94)

JAN.....29.37...1944  
FEB.....29.31...1987  
MAR.....29.25...1984  
APR.....29.24...1954  
MAY.....29.28...1975  
JUN.....29.18...1947  
JUL.....29.45...1974  
AUG.....29.44...1984  
SEP.....29.40...1978  
OCT.....29.35...1994  
NOV.....29.18...1982  
DEC.....29.17...1949

ALL TIME HIGHEST.....30.80...12/1967

ALL TIME LOWEST.....29.17...12/1949

## HOLIDAY WEATHER

(1937-1994)

### **NEW YEAR HOLIDAY (JANUARY 1ST)**

AVERAGE HIGH/LOW.....56/32

RECORD HIGH.....69 IN 1981

RECORD LOW.....21 IN 1954

MOST SNOW EVER.....4.4 INCHES IN 1974

MOST PRECIPITATION...0.43 IN 1974

DAY OF MEASURABLE PRECIPITATION.....2

DAY WITH ANY PRECIPITATION.....4

### **MEMORIAL DAY WEEKEND**

AVERAGE HIGH/LOW.....93/64

### **4TH OF JULY**

AVERAGE HIGH/LOW.....105/75

RECORD HIGH.....115 IN 1985

RECORD LOW.....60 IN 1941

MOST PRECIPITATION EVER.....0.16 IN 1949

DAY OF MEASURABLE PRECIPITATION.....2

DAY WITH ANY RAIN.....3

### **LABOR DAY WEEKEND**

AVERAGE HIGH/LOW.....99/70

### **HALLOWEEN**

AVERAGE HIGH.....75/48

RECORD HIGH.....86 IN 1988

RECORD LOW.....30 IN 1971

MOST PRECIPITATION EVER.....0.25 IN 1987

DAY OF MEASURABLE PRECIPITATION.....6

DAY WITH ANY RAIN.....7

### **THANKSGIVING**

AVERAGE HIGH/LOW.....64/40

## HOLIDAY WEATHER (CONT)

### CHRISTMAS

AVERAGE HIGH/LOW.....56/33

RECORD HIGH.....69 IN 1964

RECORD LOW.....17 IN 1948

MOST PRECIPITATION EVER.....0.28 IN 1983

MOST SNOW EVER.....TRACE IN 1941 AND 1988

DAYS WITH MEASURABLE PRECIPITATION.....5

DAYS WITH ANY RAIN OR SNOW.....8

**CONSECUTIVE DAYS ABOVE/BELOW NORMAL**

**RECORD DAYS BELOW NORMAL**

46 days (12/27/1948 - 2/10/49)  
42 days (7/7/1999 - 8/17/99)

**RECORD DAYS ABOVE NORMAL**

45 days (12/15/1985 - 1/29/85)

## ACKNOWLEDGMENTS

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Finally, I would like to thank all the observers down through WSO Las Vegas' existence. It is fascinating looking back at our historical database to see how detailed the records were 50 or more years ago.

# Record Max/Min Temperature

Las Vegas, NV

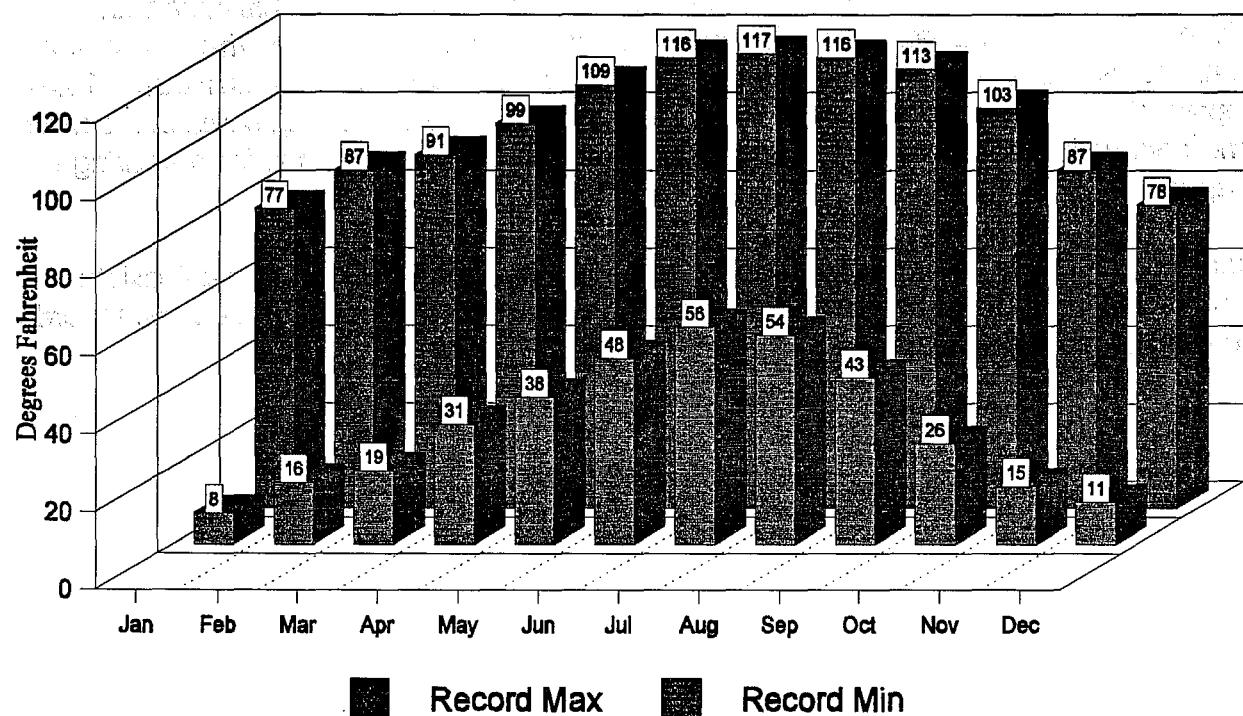


Figure 1. Record Maximum/Minimum Temperatures at McCarran International Airport, Las Vegas, NV

# ANNUAL PRECIPITATION AT LAS VEGAS

## 1937-1998

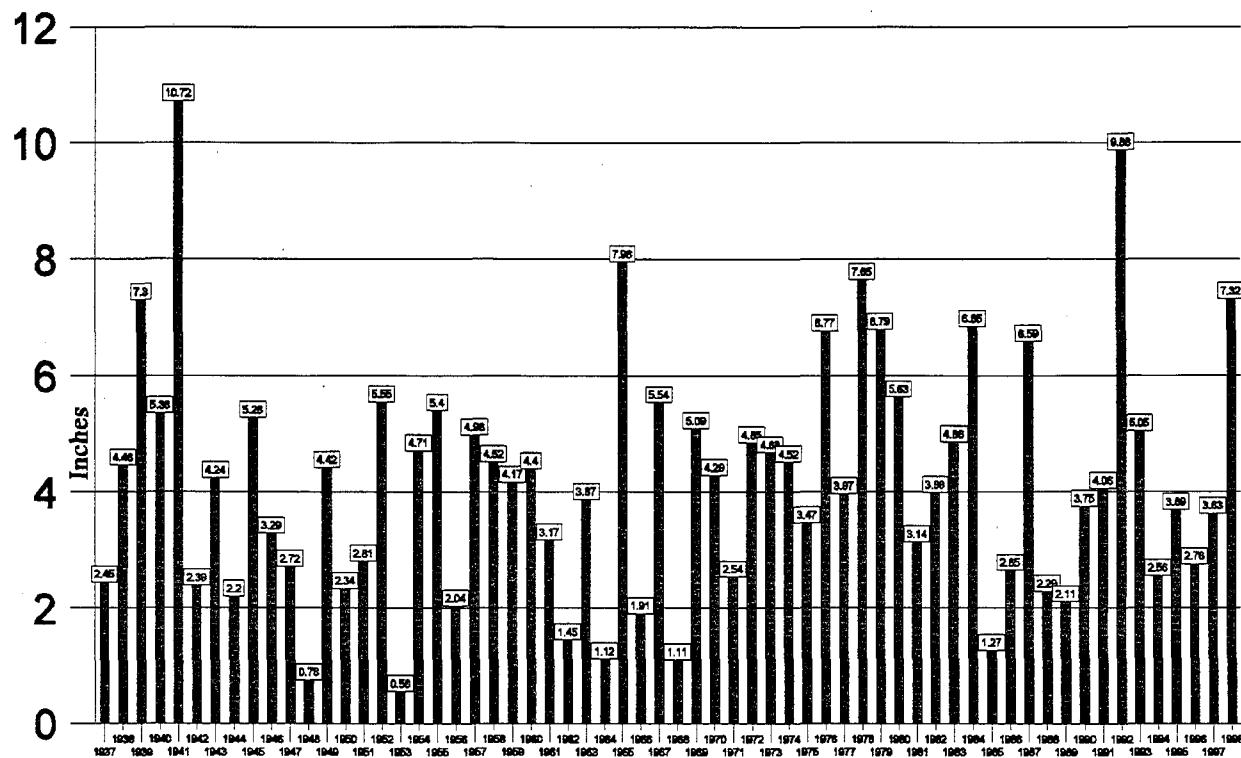


Figure 2. Annual Precipitation (in inches) at Las Vegas, NV  
(1937-1948 at Nellis) (1949-1998 at McCarran)

# Average RH

(4 a.m. and 4 p.m.)

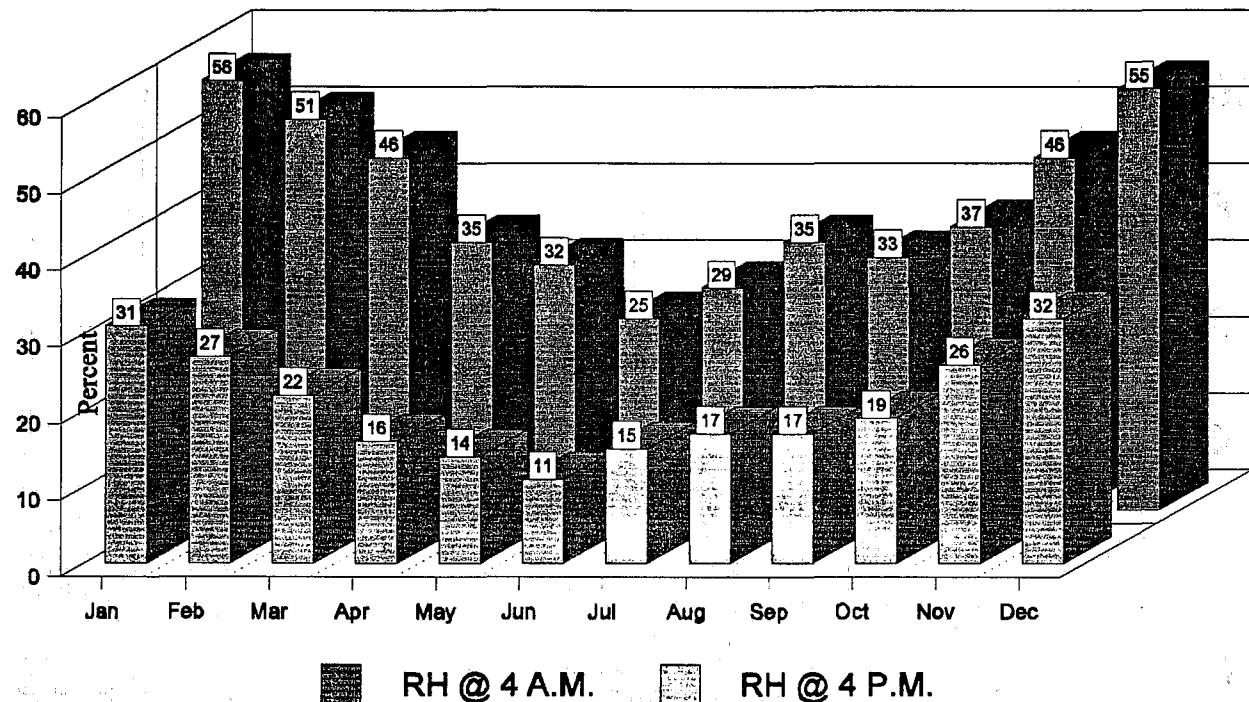


Figure 3. Average Relative Humidity at 4:00 a.m. and 4:00 p.m. PST for McCarran International Airport, Las Vegas, NV

# Avg. # of Thunderstorm Days

Las Vegas, NV

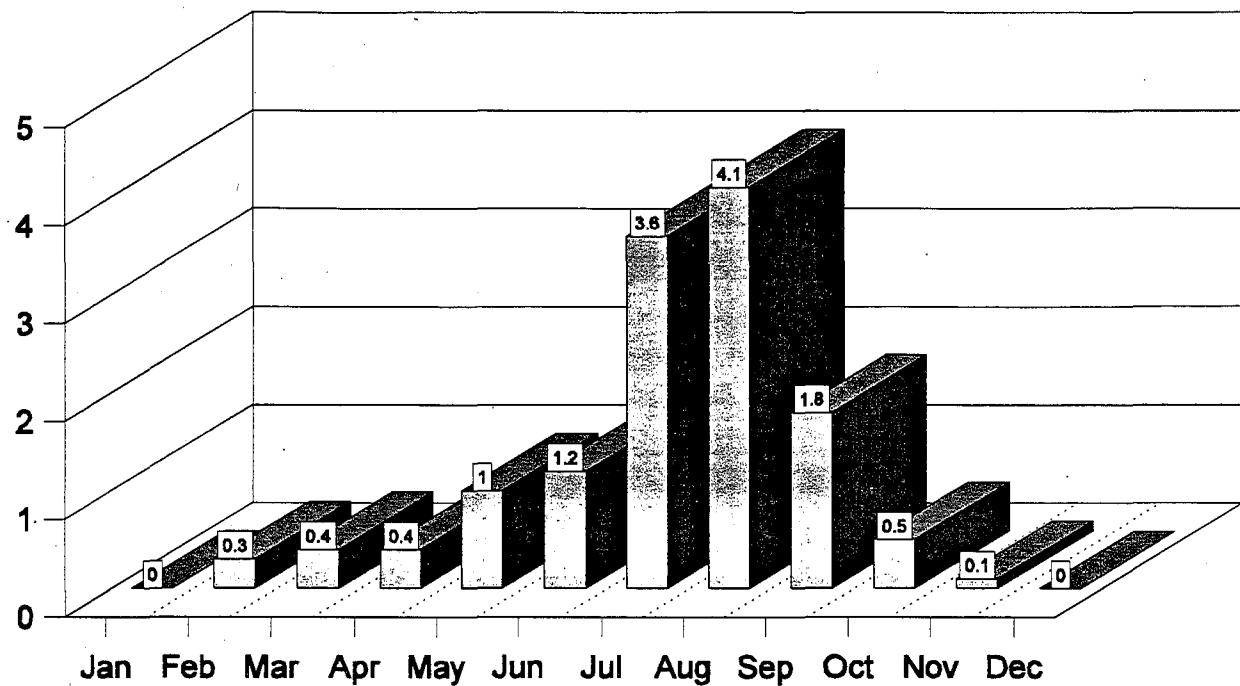


Figure 4. Average Number of Thunderstorm Days for McCarran International Airport, Las Vegas, NV

# Avg 90/100 Degree Days

Las Vegas, NV

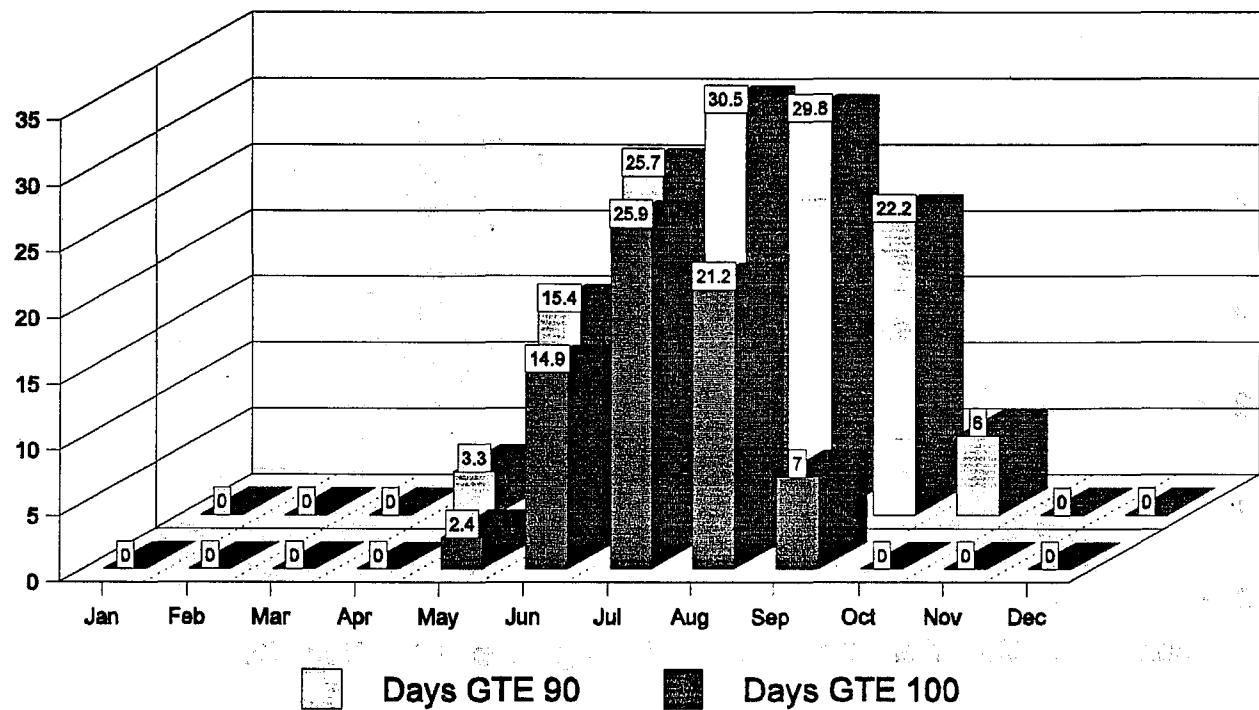


Figure 5. Average number of 90 and 100 degree days at McCarran International Airport, Las Vegas, NV

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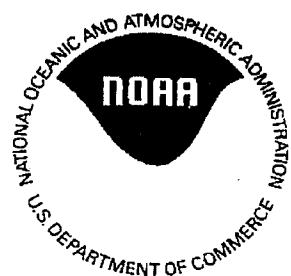
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