

Local Climatological Data

Champaign-Urbana, IL - 118740

Illinois State Water Survey
Water Survey Research Center

January 1999

DATE	TEMPERATURE			PRECIP (in)	SNOW (in)		WEATHER TYPES	WIND				SKY COVER	DEGREE DAYS	
	Max	Min	Mean		Amnt	Depth		Dir	Speed	Peak Gust	Gust Dir		Heat	Cool
1/1/1999	18	-2	8	0.74	5.0	5	S	E	4.4	19.5	NE	CLDY	57	0
1/2/1999	28	16	22	1.18	10.0	13	S,S-,BS	E	7.6	25.3	W	CLDY	43	0
1/3/1999	19	4	12	T	T	16	SW-	W	15.1	31.0	W	PC	53	0
1/4/1999	4	-10	-3	0.00	0.0	16		W	8.8	22.1	W	PC	68	0
1/5/1999	22	-25	-2	T	T	16	SW-	S	6.7	22.6	S	CLR	67	0
1/6/1999	34	10	22	0.01	0.1	16	SW-	SW	10.5	23.3	NW	CLDY	43	0
1/7/1999	10	-1	5	0.01	0.1	16	S-	NW	3.9	15.0	N	PC	60	0
1/8/1999	18	10	14	0.11	3.0	15	S,S-	NE	6.6	18.6	NW	CLDY	51	0
1/9/1999	15	-15	0	0.00	0.0	17		NW	6.4	18.1	NW	CLR	65	0
1/10/1999	17	-4	7	0.00	0.0	17		W	11.7	28.9	W	CLR	58	0
1/11/1999	34	5	20	0.02	0.5	17	S-	SSW	10.2	25.3	S	CLDY	45	0
1/12/1999	40	32	36	0.12	T	16	S-,R-,IP-,ZR-,ZL-,L-,F	NE	3.9	17.3	NE	CLDY	29	0
1/13/1999	32	16	24	0.07	T	14	S-,IP-,ZR-,ZL-	NE	4.2	13.1	NE	CLDY	41	0
1/14/1999	16	12	14	T	T	14	SW-	NE	3.0	8.5	NE	CLDY	51	0
1/15/1999	30	16	23	T	T	14	SW-	S	10.3	23.9	S	CLDY	42	0
1/16/1999	43	26	35	T	0.0	13	R-,F	SW	7.2	19.7	W	CLDY	30	0
1/17/1999	40	26	33	0.73	0.0	13	TRW,TRW-	S	7.6	25.7	W	CLDY	32	0
1/18/1999	35	28	32	T	T	11	SW-, BS	W	14.0	33.8	W	CLDY	33	0
1/19/1999	37	20	29	T	T	11	SG-	NE	4.1	15.3	SE	CLDY	36	0
1/20/1999	41	25	33	0.00	0.0	10		NE	3.1	10.4	NE	CLDY	32	0
1/21/1999	44	36	40	0.35	0.0	9	L-,TRW+,R-,F	NE	4.7	19.1	NE	CLDY	25	0
1/22/1999	46	39	43	0.46	0.0	6	TRW,R-,L-,F	SE	3.9	21.6	SE	CLDY	22	0
1/23/1999	52	32	42	0.34	0.0	2	R-,R,L-	W	10.1	25.3	W	CLDY	23	0
1/24/1999	36	32	34	0.00	0.0	T		W	7.9	22.7	W	CLDY	31	0
1/25/1999	35	26	31	0.00	0.0	T		NW	5.8	17.1	W	CLDY	34	0
1/26/1999	45	23	34	0.00	0.0	T		SE	6.1	16.8	SE	PC	31	0
1/27/1999	62	35	49	0.00	0.0	0		S	10.1	25.7	W	PC	16	0
1/28/1999	38	31	35	0.00	0.0	0		NW	6.3	15.6	N	CLDY	30	0
1/29/1999	41	30	36	0.00	0.0	0		NE	4.5	12.8	NE	CLDY	29	0
1/30/1999	51	29	40	0.00	0.0	0		NE	6.6	20.3	NE	PC	25	0
1/31/1999	39	32	36	0.74	0.0	0	ZR-,R,R-,L-	ENE	6.3	21.9	NE	CLDY	29	0
AVG/TOT	33.0	17.2	25.1	4.88	18.7			NE	7.1				1231	0
DEP.	+1.3	+1.2	+1.2	+3.05	+10.6			W	-1.2				-52	0

NUMBER OF DAYS and DEPARTURE

	MAX TEMP		MIN TEMP		PRECIPITATION				SNOW	SKY COVER			
	>=90	<=32	<=32	<=0	>T	>=.01	>=.10	>=.50		>=1.00	>=1.0	CLR	PC
TOTAL	0	12	28	6	20	13	9	4	1	3	3	6	22
DEP	0	-4	-1	+2	+4	+4	+3	+1	0	0	-5	-3	+8

	WEATHER TYPES											SEASONAL DEGREE DAYS		PRECIPITATION
	R	L	S	Z	IP	A	T	F	D	H	BS	HEATING	COOLING	JAN-January
TOTAL	7	4	14	3	2	0	3	4	0	0	3	3055	0	4.88
DEP	+2	+1	+4	+1		0	+2	0				-480	0	+3.05

Averages based on 1961-1990 data. The daily sky condition is determined by the prevailing sky condition of three observations made between 7am and 7pm LST. Snow depth at 7am LST. All other data midnight-midnight. M = Missing

WEATHER TYPES:

=Trace

R = Rain Z = Freezing rain/drizzle D = Dust
 L = Drizzle IP = Sleet H = Haze
 S = Snow A = Hail BS = Blowing
 T = Thunder F = Fog RW = Rainshower SW = Snowshower

PRECIP INTENSITY:

- Light Precip amount "T"

Moderate

+ Heavy

DEGREE DAYS: Heat and Cool base 65F. Corn Growing base 50F. Heating DD season July-June. Cool and Corn DD season January-December.

Champaign-Urbana Weather Highlights – January 1999

ILLINOIS STATE WATER SURVEY

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The near year started with a bang as a major winter storm moved into the Midwest on January 1. Snow began in Champaign-Urbana around 2:00 p.m. on January 1 and ended about 25 hours later. A total of 15 inches of snow accumulated, which is the most ever recorded in a 24-hour period (the last hour of the storm was light flurries). A total of 18.7 inches of snow fell during the month, 10.6 inches above average, making this the fifth snowiest January. The record January snowfall is 28.3 inches in 1979.

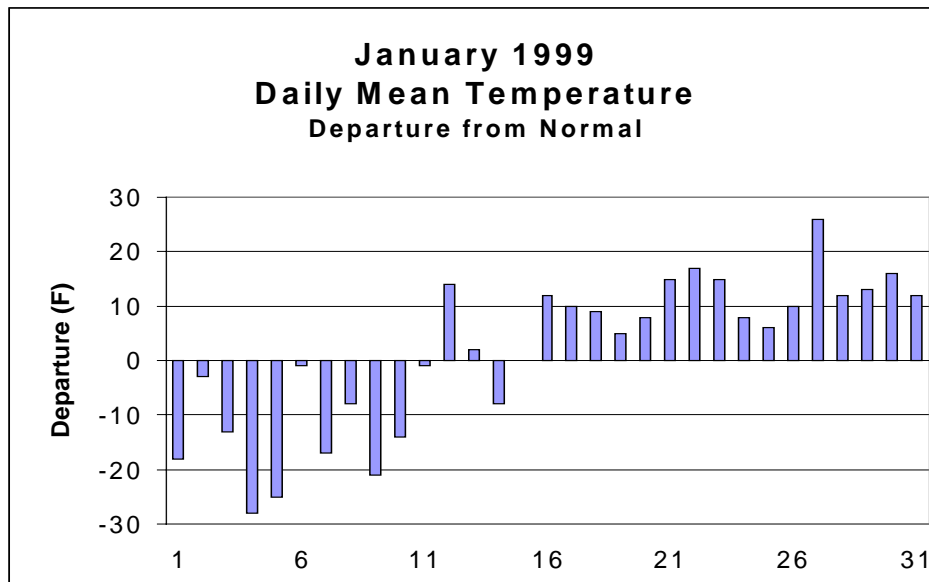
The total January precipitation of 4.88 inches makes this the ninth wettest January on record.

Record minimum temperatures were set on the following dates:

	<u>New Record</u>	<u>Old Record</u>
January 4	-10°F	-8°F in 1919
January 5	-25°F	-18 in 1924. This also ties the all-time record low, also reached on February 9, 1899, February 13, 1905, and January 19, 1994.
January 9	-15°F	-13°F in 1982

On January 27 the maximum temperature of 62°F tied the record for this date originally set in 1914.

The mean temperature the first 15 days of the month was 13.4°F, 9.8°F below normal. The mean temperature the last 16 days of the month was 36.1°F, 11.5°F above normal.



SDH

**The daily climate statistics are available by touch-tone phone. Call 217-333-8890 and select menu option 1. The recording is updated daily Monday through Saturday by 7:30 a.m. Unofficial data may be obtained from the Midwestern Climate Center Web site at <http://mcc.sws.uiuc.edu/weather>