

Local Climatological Data
Champaign-Urbana, IL - 118740

Illinois State Water Survey
Water Survey Research Center

January 2006

DATE	TEMPERATURE			PRECIP (in)	SNOW (in)		WEATHER TYPES	WIND				DEGREE DAYS	
	Max	Min	Mean		Amnt	Depth		Dir	Speed (mph)	Peak Gust	Gust Dir	Heat	Cool
1	51	28	40	0.00	0.0	0		SE	5.2	15.9	SE	25	0
2	61	43	52	0.00	0.0	0	F(AM)	SE	7.4	18.6	W	13	0
3	43	40	42	0.02	0.0	0	TRW-, F(PM)	S	6.4	20.1	S	23	0
4	44	35	40	T	0.0	0	L-, F(PM)	W	9.4	23.1	NW	25	0
5	37	32	35	0.00	0.0	0		NW	7.3	17.4	NW	30	0
6	32	29	31	T	T	0	S-, R-	N	7.0	15.0	SW	34	0
7	46	29	38	0.00	0.0	0		SW	6.2	18.5	SW	27	0
8	57	31	44	0.00	0.0	0		SE	7.8	25.0	S	21	0
9	40	34	37	0.00	0.0	0	F(AM)	NW	4.9	18.2	W	28	0
10	44	33	39	0.00	0.0	0	RW-, L-, F(AM)	E	2.5	9.7	E	26	0
11	47	33	40	0.13	0.0	0	L-, RW-, F(AM)	SW	9.9	21.2	SW	25	0
12	56	33	45	T	0.0	0	L-	S	9.3	22.5	S	20	0
13	53	30	42	0.01	0.0	0	RW-	NW	10.3	25.6	NW	23	0
14	36	26	31	0.13	0.2	0	RW-, SW-	NW	5.8	20.9	N	34	0
15	41	24	33	0.00	0.0	0		SE	6.5	20.5	SE	32	0
16	56	29	43	0.00	0.0	0		S	4.1	17.3	W	22	0
17	39	26	33	0.33	0.0	0	RW-	W	8.6	22.6	W	32	0
18	38	24	31	0.03	0.1	T	RW-, SW-	W	9.9	26.3	W	34	0
19	58	33	46	0.00	0.0	0		S	9.6	25.9	SW	19	0
20	54	35	45	0.00	0.0	0		NE	6.0	25.0	N	20	0
21	40	27	34	0.43	0.1	0	RW-, SW-	N	4.5	25.1	NW	31	0
22	40	27	34	0.00	0.0	0	F(AM)	NE	3.0	11.4	N	31	0
23	31	25	28	T	T	0	F(AM), F(PM), S-	SW	6.2	16.1	SW	37	0
24	47	28	38	T	T	0	S-	W	12.8	38.1	W	27	0
25	36	24	30	0.00	0.0	0		NW	6.2	21.8	W	35	0
26	46	20	33	0.00	0.0	0		S	3.3	11.0	S	32	0
27	52	28	40	0.00	0.0	0		S	7.4	20.5	S	25	0
28	53	36	45	0.00	0.0	0		S	6.6	17.8	S	20	0
29	52	33	43	0.69	0.0	0	F(AM), RW-	W	10.7	24.7	W	22	0
30	38	33	36	T	0.0	0	F(AM), L-, RW-	W	6.7	18.2	NW	29	0
31	41	29	35	0.01	T	0	L-, RW-, SW-	W	5.1	14.2	NW	30	0
AVG/TOT	45.5	30.2	37.9	1.78	0.4			S	7.0			832	0
DEP.	+13.5	+13.5	+13.5	-0.11	-8.2			W	-0.9			-427	0

NUMBER OF DAYS and DEPARTURE

	MAX TEMP		MIN TEMP		PRECIPITATION					SNOW
	>=90	<=32	<=32	<=0	>T	>=.01	>=.10	>=.50	>=1.00	>=1.0
TOTAL	0	2	19	0	15	9	5	1	0	0
DEP	0	-14	-10	-4		-1	0	0	0	-3

	WEATHER TYPES										SEASONAL DEGREE DAYS		PRECIPITATION	
	R	L	S	Z	IP	A	T	F	D	H	BS	HEATING	COOLING	JAN-January
TOTAL	12	5	7	0	0	0	1	11	0	0	0	3041	0	1.78
DEP	+7	+2	-3	-2			0	0	+7			-458	0	-0.11

Averages based on 1971-2000 data.

Temp midnight-midnight, Precip and Snow at 8 am LST

M = Missing

WEATHER TYPES:

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

PRECIP INTENSITY

- Light Precip amount "T" =Trace
Moderate
+ Heavy

DEGREE DAYS Heat and Cool base 65F. Corn Growing base 50F, ceiling 86F. Heating DD season July-June. Cool and Corn DD season January-December.

WIND: DIR is the 24 hr prevailing direction (greatest number of hours). Speed is the daily average of 24 hourly average wind speeds.

Champaign-Urbana Weather Highlights – January 2006

ILLINOIS STATE WATER SURVEY

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Temperature – ranged from 61°F on January 2 to 20°F on January 26. The monthly average high temperature of 45.5°F was the 2nd warmest on record for January since 1889. The monthly average low temperature of 30.2°F was **the warmest** on record for January. The monthly average mean temperature of 37.9°F was **the warmest** on record for January.

Precipitation – no daily records were set this month. Precipitation was near-normal. Snowfall was well below normal, 0.4” (8.2” above normal) and was tied for the 5th least snowiest January on record since snowfall records began in 1903. *Ranking the January snowfall totals*, in first place for the least amount of snow was January 1944 with 0.0”. In second place was January 1990 with 0.1”. In third place 1935 and 1973 both had 0.2”. In fourth place was 1933 with 0.3”. In fifth place, 1919, 1954, 1986, and 2006 all reported 0.4”.

Observer’s Note – the wind statistics reported here and on the voicemail recording are not part of the climatic archive maintained by this office. They are from another Water Survey network co-located with our site (see below).

<http://www.sws.uiuc.edu/atmos/statecli/Champ-Urb/CU.htm> .

Additional Information

Additional information for January can be found at the Illinois Climate Network site that is collocated with our cooperative weather observer site. This automated station collects temperature, wind, soil temperature, evaporation, humidity, and solar radiation data. These data are usually posted a few days after the end of the month at:

<http://www.sws.uiuc.edu/warm/data/2006/January/Champaign.txt>

JRA

The daily climate statistics are available by touch-tone phone. Call 333-8890 and select menu option 1. The recording is updated daily Monday through Friday by 8:30 a.m. For this and other climate data, visit the State Climatologist web site at <http://www.sws.uiuc.edu/atmos/statecli/>