

Local Climatological Data

Champaign-Urbana, IL - 118740

Illinois State Water Survey
Water Survey Research Center

January 2005

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	52	34	43	0.04	0.0	0	R-	NE	4.8	14.4	NE	22	0
2	58	40	49	0.03	0.0	0	R-	SW	6.9	16.6	S	16	0
3	41	37	39	0.58	0.0	0	R	NE	6.0	16.9	N	26	0
4	39	36	38	0.67	0.0	0	R	NE	4.5	13.8	NE	27	0
5	38	30	34	0.80	0.0	0	R	NE	4.5	21.0	NE	31	0
6	31	20	26	0.99	0.2	T	R, S	W	3.0	4.8	W	39	0
7	29	20	25	T	T	T	S-	S	1.5	4.5	S	40	0
8	29	23	26	0.11	1.3	1	S-	NW	1.7	4.7	W	39	0
9	40	27	34	T	T	T	S-	S	7.1	18.0	S	31	0
10	36	32	34	0.00	0.0	0		E	3.8	13.8	NW	31	0
11	40	35	38	0.18	0.0	0		NE	2.6	10.1	N	27	0
12	63	40	52	0.81	0.0	0	TRW, R	S	10.9	28.1	S	13	0
13	60	13	37	1.45	0.0	0	TRW+, R	NW	7.9	29.2	SW	28	0
14	15	7	11	0.23	3.3	3	S	N	6.8	18.8	NW	54	0
15	16	10	13	0.00	0.0	2		N	5.9	12.2	N	52	0
16	14	2	8	0.01	1.0	2	S	N	7.4	18.5	NW	57	0
17	14	2	8	0.00	0.0	2		NW	4.2	14.2	NW	57	0
18	25	-1	12	0.00	0.0	2		S	8.4	30.0	S	53	0
19	36	24	30	T	T	2	S-	NW	8.2	23.4	SW	35	0
20	32	22	27	T	T	1	S-	NW	8.2	23.4	SW	38	0
21	27	17	22	0.02	0.4	2	S	E	5.3	17.2	E	43	0
22	30	12	21	0.02	0.5	2	S	N	10.9	29.6	W	44	0
23	23	7	15	0.01	0.2	3	S	N	10.9	29.6	W	50	0
24	38	21	30	0.00	0.0	3		S	5.7	17.9	N	35	0
25	49	23	36	0.00	0.0	T		SW	7.7	21.1	SW	29	0
26	38	26	32	T	0.0	T	S-	SW	5.1	14.6	SW	33	0
27	27	13	20	0.00	0.0	T		N	7.9	19.3	N	45	0
28	35	12	24	0.00	0.0	T		M	M	M	M	41	0
29	33	28	31	0.02	0.4	1	S-	SE	3.1	10.8	NE	34	0
30	33	21	27	0.23	2.1	3	S	NE	3.9	12.1	NE	38	0
31	32	19	26	0.00	0.0	3		NE	3.5	12.6	N	39	0
AVG/TOT	34.6	21.0	27.8	6.20	9.4			N	5.9			1147	0
DEP.	+2.6	+4.3	+3.4	+4.31	+0.8			W	-2.0			-112	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	14	25	1	22	17	10	6	1	4
DEP	0	-2	-4	-3	+7	+5	+5	+1		+1

	WEATHER TYPES										SEASONAL DEGREE DAYS		PRECIPITATION	
	R	L	S	Z	IP	A	T	F	D	H	BS	HEATING	COOLING	JAN-January
TOTAL	8	0	14	1	0	0	1	1	0	2	2	3114	0	6.20
DEP	+3	-3	+4	-1		0	0	-3	■	■	■	-385	0	+4.31

Averages based on 1971-2000 data.

Temp midnight-midnight, Precip and Snow at 7 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.

Champaign-Urbana Weather Highlights – January 2005

ILLINOIS STATE WATER SURVEY

Jim Angel, State Climatologist
2204 Griffith Drive
Champaign, IL 61820
wxobsrvr@sws.uiuc.edu

Temperature – ranged from -1 degrees on January 18 to 63 degrees on January 12. The 63 degrees was just one degree shy of the record high for that date. While the high, low, and mean temperatures for the month were above normal, none of them were in the top-ten list.

Precipitation – no daily records were set this month. However, the 6.20 inch total is the third wettest January on record and was only 0.01 inches away from being tied for second place. The wettest January on record was January 1950 with 7.62 inches. The snowfall for the month was slightly above normal and was the 18th snowiest January on record. The record snowfall is held by January 1979 with 28.3 inches.

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/2005/January/Champaign.txt>

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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 8:00 a.m. For this and other climate data, visit the State Climatologist web site at <http://www.sws.uiuc.edu/atmos/statecli/>