

Local Climatological Data Champaign-Urbana, IL - 118740

Illinois State Water Survey
Water Survey Research Center

February 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	53	29	41	0.00	0.0	0		S	7.4	22.9	SW	24	0
2	45	28	37	0.00	0.0	0	F(AM)	E	1.9	10.2	SE	28	0
3	53	31	42	0.02	0.0	0	RW-	W	6.0	22.4	W	23	0
4	32	23	28	0.06		0	TRW-,TRW,SW-	NW	8.3	21.5	NW	37	0
5	32	18	25		T	0	SW-	W	8.1	24.3	W	40	0
6	39	17	28	0.00	0.0	0		NW	5.9	20.1	W	37	0
7	39	19	29	0.00	0.0	0		NW	4.4	14.9	W	36	0
8	37	21	29	0.00	0.0	0		N	4.7	17.4	N	36	0
9	34	15	25	0.00	0.0	0		S	5.6	15.3	S	40	0
10	43	23	33	0.00	0.0	0		SW	4.3	18.0	W	32	0
11	40	28	34	0.01	0.1	0	SW-	N	5.4	18.0	N	31	0
12	29	22	26	0.02	0.1	T	SW-	W	6.9	17.0	W	39	0
13	37	13	25		T	T	SW-	SW	9.9	30.0	SW	40	0
14	56	25	41	0.00	0.0	0		SW	9.6	24.0	SW	24	0
15	54	33	44	0.00	0.0	0		SW	4.5	18.6	SW	21	0
16	60	26	43	0.30	0.0	0	RW-, F(AM)	S	10.5	30.4	W	22	0
17	29	9	19	0.11	0.0	0	RW	NW	8.7	29.3	N	46	0
18	11	-1	5		T	0	SW-		M	M		60	0
19	20	2	11	0.00	0.0	0		SW	4.3	14.5	W	54	0
20	30	10	20	0.00	0.0	0		SW	6.8	17.5	SW	45	0
21	46	17	32	0.00	0.0	0		SW	5.5	15.9	SW	33	0
22	50	22	36	0.00	0.0	0	F(AM)	SW	4.5	15.1	W	29	0
23	54	22	38	0.00	0.0	0		W	6.7	26.4	W	27	0
24	50	22	36	0.00	0.0	0		S	8.2	21.1	S	29	0
25	46	23	35	0.00	0.0	0		N	10.5	28.5	N	30	0
26	39	17	28	0.00	0.0	0		W	4.9	15.9	W	37	0
27	57	27	42	0.00	0.0	0		SW	6.1	16.5	NE	23	0
28	53	27	40	0.00	0.0	0		NE	4.4	14.2	NE	25	0
AVG/TOT	41.7	20.3	31.0	0.52	0.2			NW	6.4			948	0
DEP.	+4.1	-1.4	+1.3	-1.49	-5.3			NW	-1.1			-39	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	7	27	1	9	6	2	0	0	0
DEP	0	-3	+4	-1		-3	-3	-1	0	-2

	WEATHER TYPES											SEASONAL DEGREE DAYS		PRECIPITATION
	R	L	S	Z	IP	A	T	F	D	H	BS	HEATING	COOLING	JAN-February
TOTAL	4	0	6	0	0	0	1	3	0	0	0	3989	0	2.30
DEP	-1	-3	-3	-2		0	-1					-497	0	-1.60

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 – February 2006

ILLINOIS STATE WATER SURVEY

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

Temperature – ranged from 60°F on February 16 to -1°F on February 18. While the monthly average high temperature and the monthly average mean temperature were above normal, they were not of noteworthy rank. **Winter (December-February)** temperatures were above normal. The average high temperature was 39.5°F, 4.0°F above normal, and the 17th warmest on record. The average low temperature was 23.0°F, 2.8°F above normal, and the 22nd warmest on record. The average mean temperature was 31.5°F, 3.4°F above normal, and the 16th warmest on record.

Precipitation – no daily records were set this month. Precipitation was well below-normal, 0.52” (1.49” below normal), and the 8th driest February on record. Snowfall was well below-normal, 0.2” (5.3” below normal), and was the 3rd lowest February snowfall on record. **Winter (December-February)** precipitation was 4.16”, 2.5” below normal and the 24th driest winter on record. Snowfall was 11.8”, 8.4” below normal, and the 36th lowest winter snowfall on record. While the snowfall total was low, it was a long way away from the lowest winter snowfall total of 2.3” during 1972-73.

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 February 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/February/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/>