Local Climatological Data

Champaign-Urbana, IL - 118740

Illinois State Water Survey
Water Survey Research Center

February 2007

DATE	TEMPERATURE Max	Min	Mean	PRECIP (in)	SNOW (in) Amnt	Depth	WEATHER TYPES	WIND Dir	Speed (mph)	Peak Gust	Gust Dir	DEGREE DAYS Heat	Cool
1	28	20	24	T	0.2	T	SW-		M	M		41	0
2	23	7	15	T	0.2	T	SW-	W	8.2	24.5	W	50	0
3	15	2	9	T	T	T	SW-		M	M		56	0
4	15	-3	6	0.00	0.0	0			M	M		59	0
5	13	-7	3	0.00	0.0	0		NW	4.7	16.0	NW	62	0
6	15	3	9	0.01	0.3	T	SW-		M	M		56	0
7	12	-1	6	0.39	4.5	5	SW	W	5.4	14.2	N	59	0
8	11	-1	5	0.00	0.0	5		NW	6.0	15.8	W	60	0
9	16	6	11	0.00	0.0	4		NW	5.5	15.6	W	54	0
10	13	0	7	0.00	0.0	4		NW	4.6	18.9	NW	58	0
11	32	4	18	0.00	0.0	4		SW	2.9	11.3	SW	47	0
12	36	25	31	0.00	0.0	3		SE	3.2	15.0	NE	34	0
13	29	16	23	0.50	5.5	8	S+, BS	NE	12.9	30.5	NE	42	0
14	19	7	13	0.24	6.5	12	S+, BS		M	M		52	0
15	13	0	7	0.00	0.0	12		NW	5.8	14.0	W	58	0
16	22	-8	7	0.00	0.0	12		S	7.7	20.1	S	58	0
17	26	11	19	0.19	2.7	15	S, BS	NW	7.0	21.5	N	46	0
18	24	6	15	T	T	15	S-, BS	W	5.1	14.2	W	50	0
19	42	9	26	0.00	0.0	15		S	9.8	25.5	S	39	0
20	42	27	35	0.00	0.0	12		N	2.6	10.6	SW	30	0
21	44	19	32	0.00	0.0	9	F(PM)		M	M		33	0
22	42	30	36	0.00	0.0	5		NW	8.5	25.2	NW	29	0
23	36	26	31	0.00	0.0	5		E	3.5	13.1	E	34	0
24	37	25	31	0.00	0.0	5		E	5.8	22.5	SE	34	0
25	41	31	36	0.74	0.1	4	RW,IP,ZR,SW		M	M		29	0
26	32	25	29	T	T	3	RW-, SW-	W	8.0	20.9	W	36	0
27	32	24	28	T	T	3	SW-		M	M		37	0
28	37	27	32	T	T	3	SW-	E	3.1	12.3	E	33	0
AVG/TOT	**26.7**	**11.8**	**19.3**	**2.07**	**20.0**			**W**	**6.0**			**1276**	**0**
DEP.	-10.9	-9.9	-10.4	+0.06	+14.5			NW	-1.5			+289	0

NUMBER OF DAYS and DEPARTURE

	MAX TEMP >=90	<=32	MIN TEMP <=32	<=0	PRECIPITATION >T	>=.01	>=.10	>=.50	>=1.00	SNOW >=1.0
TOTAL	0	19	28	7	13	6	5	2	0	4
DEP	0	+9	+5	+5		-3	0	+1	0	+2

	WEATHER TYPES R	L	S	Z	IP	A	T	F	D	H	BS
TOTAL	2	0	13	1	1	0	0	1	0	0	4
DEP	-3	-3	+4	-1		0		-3			

SEASONAL DEGREE DAYS HEATING	COOLING
4434	0
-52	0

PRECIPITATION JAN-February
5.10
+1.20

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 Moderate + Heavy

Precip amount "T" =Trace

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.

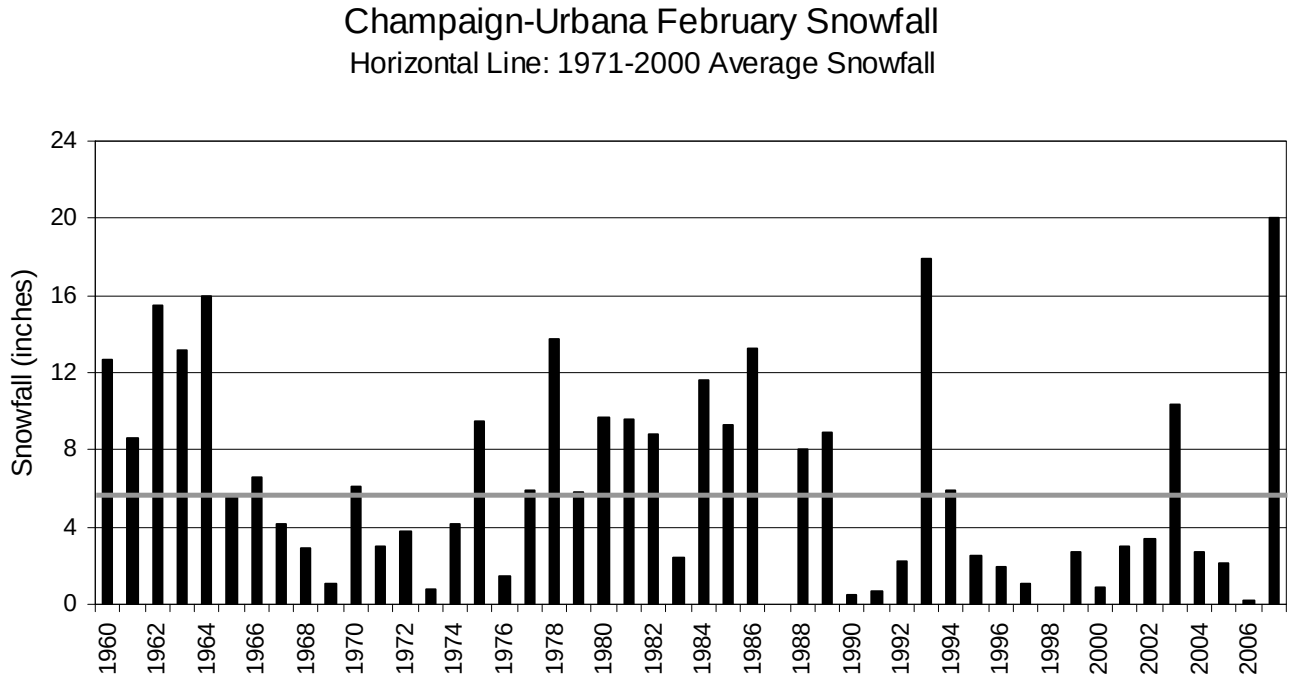
WIND: DIR is the 24 hr prevailing direction (greatest number of hours). Speed is the daily average of 24 hourly average wind speeds.

Champaign-Urbana Weather Highlights – February 2007

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

Temperature – ranged from -8ºF on February 16 to 44ºF on February 21. The average high temperature of 26.7ºF was 10.9ºF below normal and the 4th coldest on record. The average low temperature of 11.8 degrees was 9.9ºF below normal and the 9th coldest. The average mean temperature of 19.3 degrees was 10.4ºF below normal and the 6th coldest on record. Temperature records for February in Champaign-Urbana go back to 1889.

Precipitation – no daily records were set this month. The monthly precipitation total of 2.07" was 0.06" above normal. The monthly snowfall total of 20.0" was the largest snowfall total on record since snowfall records began in 1903 and 14.5" above normal. This brings our seasonal snowfall total to 23.8" by the end of February after unusually small snowfall amounts in December and January, 0.5" and 3.3" respectively. Normal seasonal snowfall in Champaign-Urbana is 26.6".



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 several days after the end of the month at: http://www.sws.uiuc.edu/warm/data/2007/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/**