

## Local Climatological Data Champaign-Urbana, IL - 118740

Illinois State Water Survey  
Water Survey Research Center

**March 2007**

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	34	43	0.11		T	2	RW-, IP-	SE	9.5	28.2	W	22	0
2	37	29	33	0.13	0.0	T		TRW+	W	15.6	35.3	W	32	0
3	29	19	24	0.01	0.2	T		SW-	W	10.2	27.0	W	41	0
4	34	14	24			T		SW-	W	9.8	20.4	W	41	0
5	43	23	33	0.00	0.0	T			N	7.0	17.7	W	32	0
6	32	19	26	0.00	0.0	T			SE	3.9	11.7	SE	39	0
7	37	24	31	0.00	0.0	T			NE	6.5	20.0	N	34	0
8	46	20	33	0.00	0.0	T			SE	2.7	10.4	E	32	0
9	64	30	47	0.00	0.0	T			SW	4.6	15.3	SW	18	0
10	58	34	46	0.02	0.0	0		RW-, F	NW	5.3	16.8	W	19	0
11	58	33	46	0.00	0.0	0			SE	2.7	11.0	N	19	0
12	69	33	51	0.00	0.0	0			SW	6.1	18.9	SW	14	0
13	78	47	63	0.00	0.0	0			SW	8.9	25.5	SW	2	0
14	78	39	59	0.00	0.0	0			SW	10.1	30.0	N	6	0
15	48	32	40	0.20	0.0	0		RW-	N	9.9	27.2	N	25	0
16	42	28	35	0.00	0.0	0			N	8.1	20.3	N	30	0
17	40	25	33			T		SW-	N	5.2	16.2	N	32	0
18	48	23	36	0.00	0.0	0			S	4.0	14.4	S	29	0
19	62	36	49	0.44		T		RW, SW-	SW	7.4	17.5	W	16	0
20	57	34	46	0.03	0.0	0		RW-	E	4.8	17.7	N	19	0
21	76	46	61	0.04	0.0	0		RW-	S	11.0	27.9	S	4	0
22	66	53	60	0.11	0.0	0		TRW-	SW	7.8	29.2	N	5	0
23	64	50	57	0.48	0.0	0		TRW-	SW	3.7	13.6	SW	8	0
24	73	59	66	0.28	0.0	0		TRW-	SW	4.2	13.8	SW	0	1
25	80	56	68	0.00	0.0	0		T	S	7.0	22.1	SW	0	3
26	78	63	71	0.00	0.0	0			SW	8.3	22.4	SW	0	6
27	80	58	69			T		R-	SW	3.6	14.3	SE	0	4
28	71	49	60			T		TRW-	E	4.0	14.7	SE	5	0
29	74	48	61	0.11	0.0	0		RW-,RW+	E	3.6	12.5	NE	4	0
30	66	50	58	0.00	0.0	0			E	2.6	15.2	W	7	0
31	73	55	64	0.27	0.0	0		RW-	S	7.6	28.0	S	1	0
<b>AVG/TOT</b>	<b>58.5</b>	<b>37.5</b>	<b>48.0</b>	<b>2.23</b>	<b>0.2</b>				<b>SW</b>	<b>6.6</b>			<b>536</b>	<b>14</b>
DEP.	+8.9	+6.3	+7.6	-0.98	-3.1				S	-1.4			-229	+14

### 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	12	0	17	13	9	0	0	0
DEP	0	-1	-6	0	+2	+2	-2	-1		-1

	WEATHER TYPES										SEASONAL DEGREE DAYS		PRECIPITATION	
	R	L	S	Z	IP	A	T	F	D	H	BS	HEATING	COOLING	JAN-March
TOTAL	14	0	4	0	1	0	6	1	0	0	0	4970	14	7.33
DEP	+4	-4	-2	-1		-1	+3	-3				-281	+14	+0.22

**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 – March 2007

### ILLINOIS STATE WATER SURVEY

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**Temperature** – ranged from 14°F on March 4 to 80°F on March 25 and 27. The average high temperature of 58.5°F was 8.9°F above normal and the 6<sup>th</sup> warmest on record. The average low temperature of 37.5°F was 6.3°F above normal and the 7<sup>th</sup> warmest. The average mean temperature of 48.0°F was 7.6°F above normal and the 6<sup>th</sup> warmest on record. New record highs were set on March 14 and 25. On the 14<sup>th</sup>, the new high of 78°F broke the previous record of 75°F set in 1995. On the 25<sup>th</sup>, the new record high of 80°F broke the previous record of 78°F set in 1967. On the 13<sup>th</sup>, the high of 78°F tied the record set in 1990. Temperature records for March in Champaign-Urbana go back to 1889.

**Precipitation** – no daily records were set this month. The monthly precipitation total of 2.23” was 0.98” below normal. The monthly snowfall total was only 0.2”, 3.1” below normal. This is tied with 1963, 1986, and 2005 for the second smallest amount of snowfall reported in March. The smallest amount of snow reported in March is 0.0” and was reported 15 times in the historical record from 1903 to 2007. The seasonal snowfall total is 24.0” at the end of March. Normal seasonal snowfall in Champaign-Urbana is 26.6”.

### Additional Information

Additional information for March 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/March/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/>