

Local Climatological Data
Champaign-Urbana, IL - 118740
January 2001

Illinois State Water Survey
Water Survey Research Center

DATE	TEMPERATURE			PRECIP (in)	SNOW (in)		WEATHER TYPES	WIND				SKY COVER	DEGREE DAYS	
	Max	Min	Mean		Amnt	Depth		Dir	Speed	Peak Gust	Gust Dir		Heat	Cool
1	20	5	13	0.02	0.3	9	S-	NW	4.2	10.9	NW	PC	52	0
2	18	0	9	0.00	0.0	8		SW	4.6	12.3	SW	CLR	56	0
3	25	4	15	T	T	8	S-,ZL-	SW	8.8	19.4	SW	PC	50	0
4	30	17	24	0.00	0.0	7		SW	8.3	26.7	SW	CLDY	41	0
5	36	19	28	0.00	0.0	7		W	10.9	28.1	W	CLR	37	0
6	36	14	25	0.00	0.0	7		SW	7.2	18.9	S	CLR	40	0
7	36	25	31	0.00	0.0	7		NW	6.1	15.2	NW	PC	34	0
8	25	12	19	0.00	0.0	7		NW	5.8	15.1	NW	PC	46	0
9	24	8	16	0.00	0.0	6		W	5.7	13.7	W	CLR	49	0
10	35	12	24	0.00	0.0	6		SW	7.1	16.3	SW	CLR	41	0
11	35	17	26	0.02	T	6	R-,ZR-	S	3.3	11.4	SW	PC	39	0
12	36	29	33	0.01	0.2	6	SW-,F	S	2.6	7.5	S	CLDY	32	0
13	33	31	32	T	0.0	5	L-,F	SE	5.9	15.8	SW	CLDY	33	0
14	37	32	35	0.06	0.0	4	R-,L-,F	S	7.8	18.6	SE	CLDY	30	0
15	34	32	33	T	0.0	2	L-	W	9.6	20.5	W	CLDY	32	0
16	32	26	29	T	T	2	SW-	W	6.1	19.0	W	CLDY	36	0
17	31	22	27	0.00	0.0	2		NW	2.4	8.3	NW	CLDY	38	0
18	35	19	27	0.00	0.0	1	F	SW	3.2	12.5	SW	CLR	38	0
19	31	19	25	0.01	0.1	1	SW-	N	9.3	20.3	N	CLDY	40	0
20	25	14	20	T	T	1	SW-	N	5.1	14.3	N	CLDY	45	0
21	35	15	25	0.00	0.0	1		SW	5.4	14.5	SW	CLR	40	0
22	39	16	28	0.00	0.0	1	F	S	3.9	13.5	S	CLR	37	0
23	38	25	32	0.00	0.0	T		W	5.3	11.1	W	CLR	33	0
24	28	18	23	T	T	T	SW-	NW	7.1	19.6	NW	PC	42	0
25	32	13	23	0.00	0.0	T		S	5.2	15.0	NW	CLR	42	0
26	33	18	26	0.29	2.7	1	S,IP,ZR-	S	11.4	29.8	W	CLDY	39	0
27	28	18	23	0.00	0.0	3		W	8.1	19.8	NW	PC	42	0
28	31	12	22	0.28	0.4	3	S,IP-,ZR-,ZL-	SW	4.8	14.2	SW	CLDY	43	0
29	44	31	38	0.50	0.0	3	R,ZR-	SE	6.5	29.4	SW	CLDY	27	0
30	38	32	35	0.13	T	T	RW-,SW-	SW	7.8	22.7	S	CLDY	30	0
31	34	28	31	T	T	T	SW-	W	8.9	19.7	W	CLDY	34	0
AVG/TOT	32.1	18.8	25.5	1.32	3.7			W	6.4				1218	0
DEP.	+0.1	+2.1	+1.1	-0.57	-4.9			W	-1.5				-65	0

NUMBER OF DAYS and DEPARTURE

	MAX TEMP				PRECIPITATION					SNOW ≥1.0	SKY COVER		
	≥90	≤32	≤32	≤0	>T	≥.01	≥.10	≥.50	≥1.00		CLR	PC	CLDY
TOTAL	0	14	31	1	16	9	4	1	0	1	10	7	14
DEP	0	+1	+3	-2	0	-1	0	0	0	-2	+2	-2	0

	WEATHER TYPES										SEASONAL DEGREE DAYS		PRECIPITATION JAN-JANUARY	
	R	L	S	Z	IP	A	T	F	D	H	BS	HEATING		COOLING
TOTAL	4	3	11	5	2	0	0	5	0	0	0	3875	0	1.32
DEP	-1	0	+1	+3	0	-1	+1					+337	0	-0.57

Averages based on 1971-2000 data. The daily sky condition is determined by the prevailing sky condition of three observations made between 7am and 7pm LST. Snow depth at 7am LST. All other data midnight-midnight. M = Missing

WEATHER TYPES:

R = Rain Z = Freezing rain/drizzle D = Dust
L = Drizzle IP = 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. Heating DD season July-June. Cool and Corn DD season January-December.

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/>

Champaign-Urbana Weather Highlights – January 2001

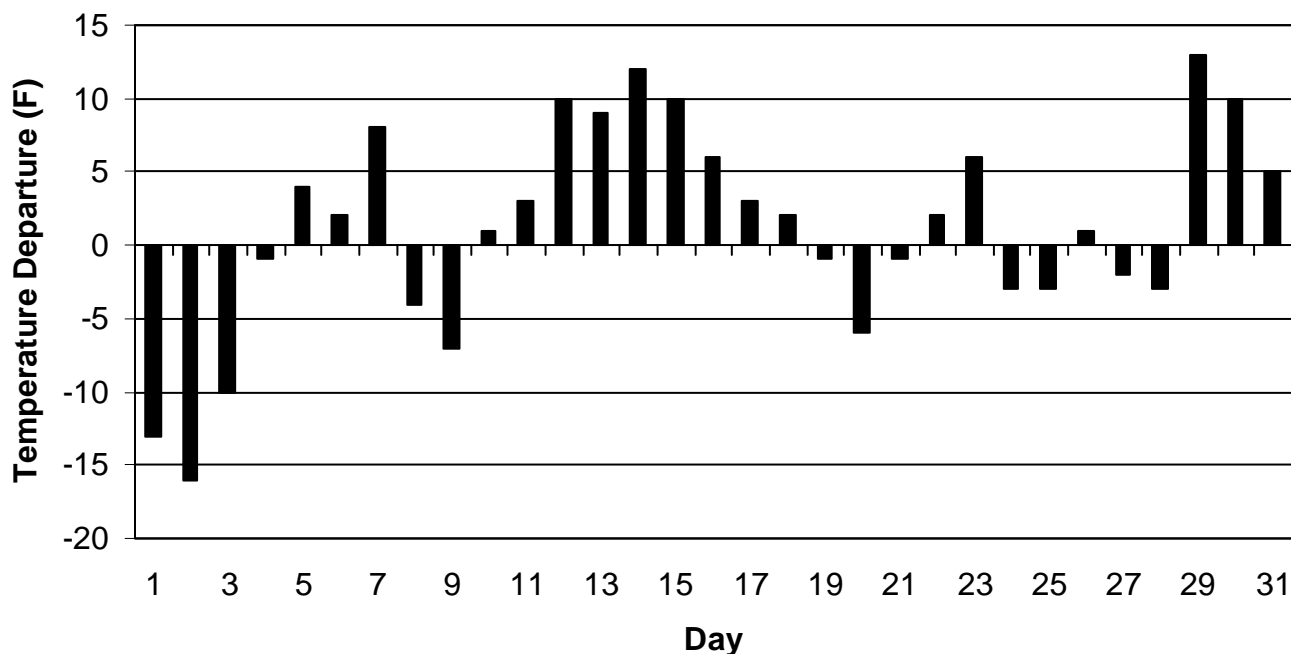
ILLINOIS STATE WATER SURVEY

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After a cold and snowy December, the temperatures and snowfall for January were rather mild. Other than the first three days of the month, temperatures were moderate by the standard of January. Monthly snowfall (3.7 inches) was less than half the average for January. Only one record was broken in January. The 2.7 inches of snow that fell on the 26th broke the old record on that date of 2.5 inches set in 1997. Through January 25th, we had received only 0.12" of precipitation and 0.6" of snow before we entered the last, wet week of the month.

New Averages: The 30-year averages used in this report for comparison purposes are updated every decade, following the guidelines of the climate community. Therefore, the averages used in this report, and those in the months to follow, will be based on the period **1971-2000**, rather than the period 1961-1990. The only exception to this will be the heating degree-days since we are in the middle of the season and any change will upset the seasonal departure calculations. We will switch those averages at the start of the next heating degree day season in July 2001.

January 2001 Mean Daily Temperature Departure



JRA

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