



Champaign-Urbana Weather Highlights – January 2011

Jim Angel, State Climatologist

Temperatures

The average mean temperature was 21.2 °F, 3.2 °F below normal and the 24th coldest January on record. The coldest January on record was 1977 with 10.7 °F.

Precipitation

The precipitation total for January was 0.66 inches, 1.23 inches below normal. While snowfall was near normal, the water content of those snowfall events was low due to the cold temperatures.

Snowfall

The snowfall total for January was 8.1 inches, 0.5 inches below normal. Combined with the record-setting 20.4 inches in December, the seasonal snowfall total was 28.5 inches. The ground was snow-free only on the first six days of the month.

Additional Information

For detailed rainfall reports in Champaign County, check out the new volunteer rain gauge network in Illinois called the Community Collaborative Rain, Hail, and Snow Network (CoCoRaHS) at <http://www.cocorahs.org/>.

Detailed monthly reports from the ISWS automated site are at <http://www.isws.illinois.edu/warm/data/2011/January/Champaign.txt>.

For more information on the climate of Illinois, visit the state climatologist web site at <http://www.isws.illinois.edu/atmos/statecli/>.

Also, check out the new state climatologist blog at <http://climateillinois.wordpress.com/>

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Local Climatological Data
Champaign-Urbana, IL - 118740

Illinois State Water Survey
Water Survey Research Center

January 2011

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	45	17	31	0.09	0.0	0	RW-		M	M		34	0
2	29	13	21	0.00	0.0	0			M	M		44	0
3	38	17	28	0.00	0.0	0			M	M		37	0
4	30	15	23	0.00	0.0	0			M	M		42	0
5	36	13	25	0.00	0.0	0			M	M		40	0
6	31	22	27	0.00	0.0	0			M	M		38	0
7	27	16	22	T	T	T	SW-		M	M		43	0
8	20	6	13	0.03	1.1	1	SW-		M	M		52	0
9	27	4	16	0.00	0.0	1			M	M		49	0
10	35	20	28	0.00	0.0	T			M	M		37	0
11	26	21	24	0.17	2.6	3	SW-,FZFG		M	M		41	0
12	23	12	18	0.07	0.8	4	SW-,FZFG		M	M		47	0
13	17	3	10	T	T	3	SW-		M	M		55	0
14	28	8	18	T	T	3	SW-		M	M		47	0
15	32	16	24	0.00	0.0	2			M	M		41	0
16	25	10	18	0.00	0.0	2	H		M	M		47	0
17	36	20	28	0.00	0.0	2			M	M		37	0
18	36	26	31	0.11	0.0	1	RW-,L,F		M	M		34	0
19	27	21	24	0.02	0.1	T	ZR-,SW-		M	M		41	0
20	21	5	13	0.10	1.5	2	SW-,F(AM)		M	M		52	0
21	6	-6	0	0.02	0.8	2	SW-		M	M		65	0
22	20	-1	10	T	0.6	3	SW-		M	M		55	0
23	22	7	15	T	T	3	SW-		M	M		50	0
24	31	15	23	0.05	0.5	3	SW-,F		M	M		42	0
25	28	14	21	0.00	0.0	2	F		M	M		44	0
26	27	20	24	T	T	2	SW-,F		M	M		41	0
27	30	19	25	T	T	2	SW-,F		M	M		40	0
28	28	18	23	T	0.1	2	SW-		M	M		42	0
29	36	21	29	0.00	0.0	2	F		M	M		36	0
30	36	24	30	0.00	0.0	1	F		M	M		35	0
31	26	18	22	0.00	0.0	1			M	M		43	0
AVG/TOT	28.4	14.0	21.2	0.66	8.1							1351	0
DEP.	-3.6	-2.7	-3.2	-1.23	-0.5				W			+92	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	23	31	2	17	9	3	0	0	3				
DEP	0	+7	+2	-2		-1	-2	-1	0	0				

	WEATHER TYPES										SEASONAL DEGREE DAYS		PRECIPITATION	
	R	L	S	Z	IP	A	T	F	D	H	BS	HEATING	COOLING	JAN-January
TOTAL	2	1	15	1	0	0	10	0	1	0		3642	0	0.66
DEP	-3	-2	+5	-1		0	-1	+6				+143	0	-1.23

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.