

# 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 24<sup>th</sup> 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 <u>Community Collaborative Rain</u>, <u>Hail</u>, and <u>Snow Network</u> (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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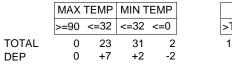
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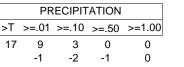
Illinois State Water Survey Water Survey Research Center

January 2011

	TEMPERATURE			PRECIP (in)	SNOW (in)		WEATHER	WIND			DEG	DEGREE DAYS	
DATE	Max	Min	Mean		Amnt	Depth	TYPES	Dir Spee (mpl		eak Gust ust Dir	Heat	Cool	
1	45	17	31	0.09	0.0	0	RW-		М	М	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	Т	Т	Т	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	Т			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	8.0	4	SW-,FZFG		M	M	47	0	
13	17	3	10	Т	Т	3	SW-		M	M	55	0	
14	28	8	18	Т	Т	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	Н		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	Т	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	8.0	2	SW-		M	M	65	0	
22	20	-1	10	Т	0.6	3	SW-		M	M	55	0	
23	22	7	15	Т	Т	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	Т	Т	2	SW-,F		M	M	41	0	
27	30	19	25	Т	Т	2	SW-,F		M	M	40	0	
28	28	18	23	Т	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	М	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**





SNOW	
>=1.0	
3	
0	

		WEATHER TYPES									
	R	L	S	Z	ΙP	Α	Т	F	D	Н	BS
TOTAL	2	1	15	1	0	0	0	10	0	1	0
DEP	-3	-2	+5	-1		0	-1	+6			

SEASONAL DEGREE DAYS							
HEATING	COOLING						
3642	0						
+143	0						

PRECIPITATION							
JAN-January							
0.66							
-1 23							

Averages based on 1971-2000 data.

A = Hail

F = Fog

Temp midnight-midnight, Precip and Snow at 7 am LST

M = Missing

**WEATHER TYPES:** 

R = Rain

L = Drizzle

S = SnowT = Thunder Z = Freezing rain/drizzle D = DustIP = Ice pellets (sleet) H = Haze

BS = Blowing snow

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.