## Illinois State Water Survey Water Survey Research Center

## Local Climatological Data Champaign-Urbana, IL - 118740 **December 2000**

		PERA		PRECIP (in)		W (in)	WEATHER			IND	SKY		EE DAYS
DATE	Max	Min	Mean		Amnt	Depth	TYPES	Dir	Speed (mph)	Peak Gust Gust Dir	COVER	Heat	Cool
1	34	29	32	0.08	1.0	0	S,S-	NE	4.3	19.5 NE	CLDY	33	0
2	29	29	32 26	0.08	0.0	0	3,3-	NE	8.3	19.5 NE 19.2 N	PC	39	0
3	36	20	28	0.00	0.0	0		NE	3.0	19.2 N 10.4 N	CLR	39	0
3 4	36	20	26 29	0.00	0.0	0		SW	3.0 9.4	10.4 N 21.7 SW	CLR	36	0
	34	14	29 24	0.00	0.0	0		NW	9.4 7.1	26.1 W	PC	41	
5 6		13	24 18		0.0 T	-	SW-	W	7.1	20.1 W	CLDY	41	0
б 7	23	_	_	0.01		0	SVV-		_		-		0
•	39	19	29	0.00	0.0	0		S	7.4	21.9 S	CLDY	36	0
8	35	13	24	0.00	0.0	0		NW	6.1	21.1 N	PC	41	0
9	33	12	23	0.00	0.0	0	DW	SE	4.4	15.5 SE	PC	42	0
10	40	28	34	T	0.0	0	RW-	NE	4.8	12.8 SW	CLDY	31	0
11	34	10	22	0.76	1.1	0	R,R-,L-,ZR-,S-	NE	8.1	36.8 W	CLDY	43	0
12	10	2	6	T	T	1	SW-	W	5.8	24.6 W	PC	59	0
13	23	3	13	0.49	4.9	1	S,S-	NE	4.0	16.9 NE	CLDY	52	0
14	22	0	11	Т	T	6	SW-	W	3.7	11.8 W	PC	54	0
15	31	-1	15	0.02	T	6	S-,ZL-,ZR-,IF	SE	7.8	18.5 SE	CLDY	50	0
16	35	7	21	0.06	1.3	4	L-,S-,ZL-,F,BS	NW	8.1	28.8 W	PC	44	0
17	7	2	5	0.01	T	4	S-,BS	W	12.9	29.5 W	CLDY	60	0
18	19	1	10	0.07	2.0	4	S-,BS	SE	8.1	24.6 W	CLDY	55	0
19	16	1	9	Т	0.2		S-,BS	W	11.3	26.0 W	PC	56	0
20	19	-3	8	0.03	0.4	7	- ,	S	8.3	24.2 S	PC	57	0
21	21	0	11	0.04	0.6	7	S-,BS	W	12.1	26.8 W	PC	54	0
22	6	-4	1	0.00	0.0	7		W	8.1	21.6 W	CLR	64	0
23	23	3	13	0.00	0.0	7		SE	7.7	20.8 S	PC	52	0
24	10	-1	5	0.00	0.0	6		NW	6.5	16.0 NW	CLR	60	0
25	15	-2	7	0.00	0.0	6		N	3.5	12.9 N	PC	58	0
26	19	8	14	0.02	0.3	6	S-	Ε	2.5	9.1 S	CLDY	51	0
27	18	9	14	Т	Т	7	S-	W	5.2	15.6 W	PC	51	0
28	21	5	13	0.01	0.2	7	S-	NE	3.4	12.9 E	PC	52	0
29	18	12	15	0.10	2.2	8	S-,BS	Ε	3.2	12.6 NW	CLDY	50	0
30	26	15	21	0.02	0.3	9	S-,BS	NW	7.2	18.0 NW	CLDY	44	0
31	24	9	17	0.01	0.2	9	S-	W	5.2	13.2 W	PC	48	0
AVG/TOT DEP.		8.6	<b>16.5</b> -12.8	<b>1.73</b> -1.29	<b>14.7</b> +8.7			W S	<b>6.6</b> -1.3			<b>1497</b> +380	<b>0</b> 0

### **NUMBER OF DAYS and DEPARTURE**

TOTAL DEP	MAX TEMP MIN TEMP >=90 <=32 <=32 <=0 0 21 31 7 0 +10 +5 +5	T >=.01 >=.10 >=.50 >=1. 20 15 3 1	) 6	SKY COVER CLR PC CLDY 3 15 13 -4 +8 -4
TOTAL DEP	WEATHER T' R L S Z IP A T 2 2 19 3 0 0 0 -6 -1 10 0 0 -1	T F D H BS HEATI 0 2 0 0 8 26	57 956	PRECIPITATION JAN-December 37.80 -1.91

Averages based on 1961-1990 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:

PRECIP INTENSITY: - Light Precip amount "T" =Trace

 $S = Snow \qquad A = Hail \qquad \qquad BS = Blowing \\ T = Thunder \qquad F = Fog \qquad \qquad RW = Rainshower \qquad SW = Snowshower$ 

**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.

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 – December 2000

### ILLINOIS STATE WATER SURVEY

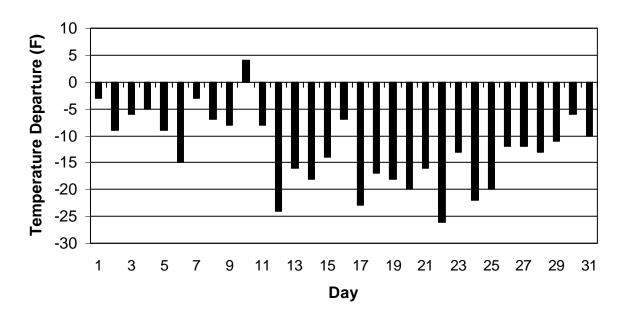
2204 Griffith Dr. Champaign, IL 61820 wxobsrvr@sws.uiuc.edu

December 2000 will be remembered for the cold and snowy conditions during most of the month. As the bar graph illustrates, most days were well below average, making this the second coldest December since records began in 1888. Only December 1983 was colder. This was also the 7<sup>th</sup> snowiest December on record. On December 17<sup>th</sup>, a new record low high temperature of 7°F was recorded.

All of this is in marked contrast to the last two Decembers. December 1999 was 2.6 degrees above average with average snowfall (6"). December 1998 was even milder at 5.4 degrees above average with below average snowfall (4.6"). In fact, we reached 71 degrees on December 4<sup>th</sup>, 1998, the warmest day on record for December.

Two winter records that we have not broken yet are: 1) the number of days with constant snow cover which is currently 69 days, held during the period of December 16, 1981 to February 22, 1982; and 2) the number of days below freezing which is currently 35 days, held during the period of December 30, 1976 to February 1, 1977.

# December 2000 Mean Daily Temperature Departure



JRA

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