Local Climatological Data

Champaign-Urbana, IL - 118740

Illinois State Water Survey
Water Survey Research Center

October 2003

DATE	TEMPERATURE Max	Min	Mean	PRECIP (in)	SNOW (in) Amnt	Depth	WEATHER TYPES	WIND Dir	Speed (mph)	Peak Gust	Gust Dir	SKY COVER	DEGREE DAYS Heat	Cool
1	61	35	48	0.00	0.0	0	F	W	6.1	21.0	W	PC	17	0
2	55	33	44	0.00	0.0	0		N	2.0	8.7	N	CLR	21	0
3	57	30	44	0.25	0.0	0	RW,RW-	SW	6.7	22.2	S	CLDY	21	0
4	64	40	52	0.00	0.0	0		W	3.3	16.3	W	CLR	13	0
5	71	43	57	0.00	0.0	0		NE	2.1	9.6	NE	CLR	8	0
6	72	44	58	0.00	0.0	0		E	2.0	11.1	NE	CLR	7	0
7	81	47	64	0.00	0.0	0		SW	2.1	11.3	W	PC	1	0
8	81	49	65	0.00	0.0	0	F	SE	1.7	12.6	S	CLR	0	0
9	71	54	63	T	0.0	0	RW-	E	1.9	13.1	W	CLDY	2	0
10	79	56	68	0.00	0.0	0		SE	2.3	12.6	E	PC	0	3
11	79	56	68	0.00	0.0	0		SW	3.9	17.0	SW	CLDY	0	3
12	71	46	59	0.01	0.0	0	RW-	NW	2.7	13.8	W	CLR	6	0
13	74	40	57	0.00	0.0	0		SE	2.0	11.7	S	CLR	8	0
14	60	45	53	0.67	0.0	0	RW	NW	5.7	23.0	NW	CLDY	12	0
15	65	39	52	0.00	0.0	0		W	4.0	17.5	W	CLR	13	0
16	61	43	52	T	0.0	0	RW-	NE	3.2	13.1	NE	PC	13	0
17	58	38	48	0.00	0.0	0		NE	3.0	12.6	NE	CLR	17	0
18	70	37	54	0.00	0.0	0		SW	5.9	21.6	W	CLR	11	0
19	77	49	63	0.00	0.0	0		SE	1.7	6.9	W	CLR	2	0
20	83	48	66	0.00	0.0	0		SW	7.0	28.6	SW	CLR	0	1
21	69	52	61	0.00	0.0	0		NW	5.0	16.3	N	PC	4	0
22	60	45	53	0.00	0.0	0		NW	2.8	11.8	NW	CLR	12	0
23	61	40	51	0.00	0.0	0		NE	2.3	9.4	NE	CLR	14	0
24	64	37	51	0.00	0.0	0		SE	4.5	18.6	S	CLR	14	0
25	57	47	52	0.32	0.0	0	TRW,RW-,R-	NW	3.3	16.8	N	CLDY	13	0
26	49	36	43	0.00	0.0	0		NW	3.6	13.8	W	PC	22	0
27	49	38	44	0.00	0.0	0		W	3.2	12.1	S	PC	21	0
28	57	42	50	0.06	0.0	0	RW-,L-	W	6.7	20.5	W	CLDY	15	0
29	46	34	40	T	0.0	0	RW-	W	5.1	12.9	W	PC	25	0
30	73	39	56	0.00	0.0	0		S	10.0	33.0	SW	CLR	9	0
31	73	49	61	T	0.0	0	RW-	S	7.7	24.5	SW	PC	4	0
AVG/TOT	**66.1**	**42.9**	**54.5**	**1.31**	**0.0**			**NW**	**4.0**				**325**	**7**
DEP.	+0.9	-0.4	+0.2	-1.50	-0.1			SW	-1.6				-21	-2

NUMBER OF DAYS and DEPARTURE

	MAX TEMP >=90	<=32	MIN TEMP <=32	<=0	PRECIPITATION >T	>=.01	>=.10	>=.50	>=1.00	SNOW >=1.0	SKY COVER CLR	PC	CLDY
TOTAL	0	0	1	0	9	5	3	1	0	0	16	9	6
DEP	0	0	-3	0		-4	-2	-1	-1	0	+4	+1	-5

	WEATHER TYPES R	L	S	Z	IP	A	T	F	D	H	BS	SEASONAL DEGREE DAYS HEATING	COOLING	PRECIPITATION JAN-October
TOTAL	8	1	0	0	0	0	1	2	0	0	0	423	864	31.93
DEP	-2	-3				0	-1	-2				-8	-122	-2.91

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
L = Drizzle
S = Snow
T = Thunder
Z = Freezing rain/drizzle
IP = Ice pellets (sleet)
A = Hail
F = Fog
D = Dust
H = Haze
BS = Blowing snow
RW = Rainshower
SW = Snowshower

PRECIP INTENSITY - Light
Moderate
\+ Heavy

Precip amount "T" =Trace

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.

Champaign-Urbana Weather Highlights – October 2003

ILLINOIS STATE WATER SURVEY
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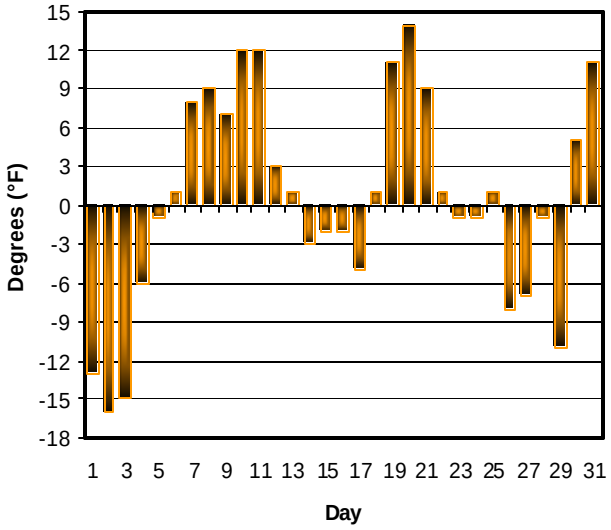
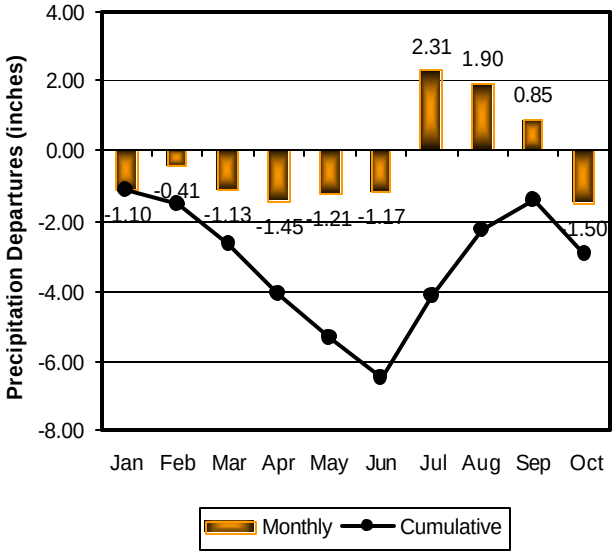
With the monthly mean temperature merely 0.2 degrees Fahrenheit above average, October 2003 tied with 1979 as only the 42nd warmest October on record. And, despite temperature ranges of +14 to -16 degrees from average, no new temperature records were set. The first official fall frost this year occurred on October 3rd, when the minimum temperature dipped down to 30º Fahrenheit. This was two weeks earlier than the 30-year median date of October 17th. However, the temperatures during the month recovered as the area went through cycles of Indian Summer.

During October 2003, Champaign-Urbana experienced its 20th driest October since records began and, without a single precipitation event of over 1.00 inch, no precipitation records were tied or set during the month. October 2003 also was below average on snowfall; however, the 30-year average snowfall value is skewed by a 3.3 inch snowfall reported in 1989. Looking at the all snowfall observations since 1905, there have only been seven Octobers with measurable snowfall (1913, 1916, 1917, 1925, 1929, 1989 and 1993).

October 2003 Mean Daily Temperature Departure from Normal



2003 Monthly Precipitation Departures from Normal



MCP

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/**