

Local Climatological Data
Champaign-Urbana, IL - 118740

Illinois State Water Survey
Water Survey Research Center

October 2001

DATE	TEMPERATURE			PRECIP (in)	SNOW (in)		WEATHER TYPES	WIND				SKY COVER	DEGREE DAYS	
	Max	Min	Mean		Amnt	Depth		Dir	Speed (mph)	Peak Gust	Gust Dir		Heat	Cool
1	78	47	63	0.00	0.0	0		W	4.6	16.1	W	CLR	2	0
2	83	54	69	0.00	0.0	0		SW	5.8	17.5	SW	CLR	0	4
3	82	56	69	0.00	0.0	0		SW	8.5	23.5	SW	CLR	0	4
4	68	51	60	T	0.0	0	RW-	N	4.0	15.5	N	PC	5	0
5	52	40	46	1.12	0.0	0	R	N	5.7	18.5	N	CLDY	19	0
6	56	34	45	0.00	0.0	0		NW	4.4	22.7	NW	PC	20	0
7	64	35	50	0.00	0.0	0		SE	2.6	14.0	W	CLR	15	0
8	67	40	54	0.00	0.0	0		SE	5.1	20.6	S	CLR	11	0
9	72	46	59	0.00	0.0	0		S	7.9	23.3	S	CLR	6	0
10	65	56	61	0.44	0.0	0	R	S	11.3	25.6	S	CLDY	4	0
11	58	53	56	0.77	0.0	0	R+,R,RW-	NE	3.1	10.3	N	CLDY	9	0
12	60	54	57	0.33	0.0	0	R-,L-	W	4.2	12.5	W	CLDY	8	0
13	68	52	60	1.65	0.0	0	RW+,R	SE	6.3	25.9	S	CLDY	5	0
14	62	44	53	0.02	0.0	0	RW-	W	7.4	26.6	W	PC	12	0
15	51	37	44	0.49	0.0	0	R	W	4.5	13.4	N	CLDY	21	0
16	50	36	43	0.16	T	0	R-,RW-,SP-	W	6.9	21.6	NW	CLDY	22	0
17	54	30	42	0.00	0.0	0		W	3.2	12.1	W	CLR	23	0
18	64	33	49	0.00	0.0	0		S	8.3	25.7	S	CLR	16	0
19	61	42	52	0.00	0.0	0		W	3.4	12.5	W	PC	13	0
20	72	37	55	0.00	0.0	0		S	4.1	15.2	S	CLR	10	0
21	68	60	64	0.02	0.0	0	RW-	SW	4.8	17.5	W	CLDY	1	0
22	71	54	63	0.00	0.0	0	F-	S	6.3	19.0	S	PC	2	0
23	71	60	66	0.50	0.0	0	TRW+,TRW-	SW	7.8	21.3	SW	CLDY	0	1
24	72	40	56	0.95	0.0	0	TRW+	S	8.8	34.7	NW	CLDY	9	0
25	49	37	43	0.00	0.0	0		W	14.4	40.4	W	PC	22	0
26	39	33	36	0.00	0.0	0		W	9.8	26.0	W	CLDY	29	0
27	46	28	37	0.00	0.0	0		NW	3.3	13.4	N	PC	28	0
28	54	26	40	0.00	0.0	0		S	6.6	22.0	S	CLR	25	0
29	65	35	50	0.00	0.0	0		S	4.4	14.9	SW	CLR	15	0
30	61	43	52	0.00	0.0	0		SE	2.9	14.1	S	PC	13	0
31	67	41	54	0.00	0.0	0		S	10.6	29.4	S	CLR	11	0
AVG/TOT	62.9	43.0	53.0	6.45	0.0	0.0		S	6.2				376	9
DEP.	-2.3	-0.3	-1.3	+3.64	-0.1			SW	+0.6				+30	0

NUMBER OF DAYS and DEPARTURE

	MAX TEMP				MIN TEMP				PRECIPITATION					SNOW	SKY COVER		
	>=90	<=32	<=32	<=0	>T	>=.01	>=.10	>=.50	>=1.00	>=1.0	CLR	PC	CLDY				
TOTAL	0	0	3	0	12	11	9	5	2	0	12	8	11				
DEP	0	0	-1	0	+3	+4	+3	+1	0	0	0	0					

	WEATHER TYPES											SEASONAL DEGREE DAYS		PRECIPITATION
	R	L	S	Z	IP	A	T	F	D	H	BS	HEATING	COOLING	JAN-October
TOTAL	12	1	1	0	0	0	1	1	0	0	0	461	1056	32.19
DEP	+2	-3				0	-1	-3				+30	+70	-2.65

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 = 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.

Champaign-Urbana Weather Highlights – October 2001

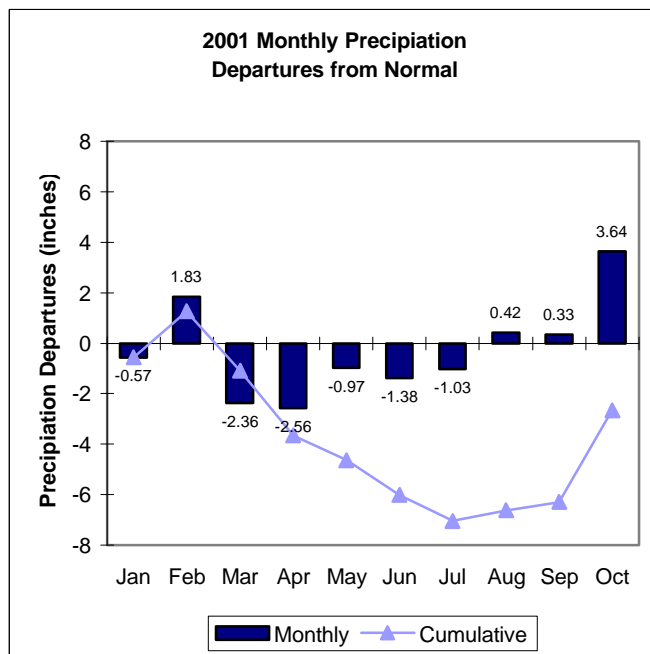
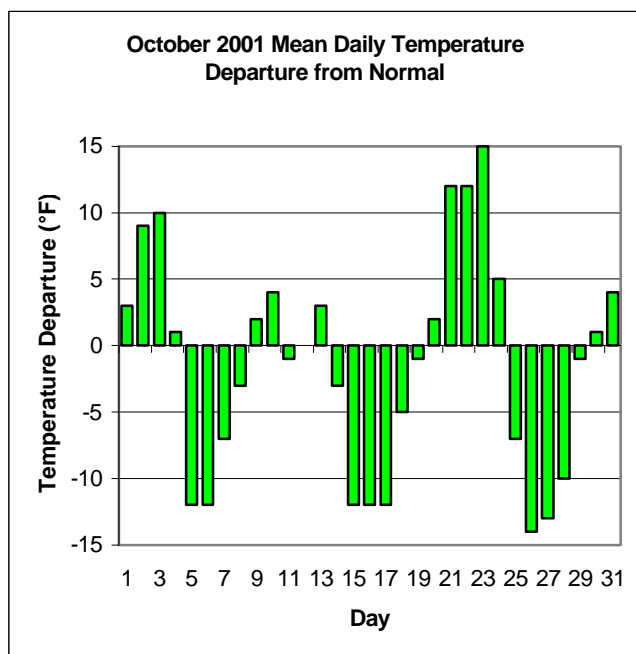
ILLINOIS STATE WATER SURVEY

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Temperatures in October averaged out to make the month close to normal, although slightly on the cool side. The monthly mean temperature of 53.0°F ties this October with 1904, 1933, and 1945 as the 24th coolest October on record. A new record high minimum temperature occurred on October 23rd, when the minimum temperature was 60°F, just passing the old record of 59°F (2000). Champaign-Urbana came close (within 1°) to several record low maximum temperatures, but did not set any other records.

The most significant weather event of the month occurred on Wednesday, October 24th when a line of severe thunderstorms struck the area. While cells near the Water Survey only caused wind gusts to a maximum of 34.7 miles per hour, a downburst at the northern edge of Champaign had estimated wind speeds of 80 to 85 miles per hour. Damage was reported to several structures, including the shifting of a warehouse off of its foundation and a home with half of its roof ripped off. A tractor-trailer was blown off of Interstate 57. The damage was attributed to straight line downburst winds, and not a tornado, because the damage path showed no signs of any circular pattern. However, as part of the same system, a F2 tornado, with winds of 120 to 130 miles per hour, did touch down in southwest Monticello, IL and caused significant damage. All of the above damage statistics were taken from the Lincoln, IL National Weather Service Storm Assessment. For further information, please see their web site at <http://www.crh.noaa.gov/ilx/>

The precipitation total for the month of 6.45 inches ranks 2001 as the 6th wettest October since records first were kept in 1888. The wettest October came in 1941 when 9.01" of precipitation fell and the driest was 1964, when only 0.16 inches fell. Despite the past 3 months of above average precipitation, the Champaign-Urbana annual total is still 2.65 inches below average because of the dry first half of the year.



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/>

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