

Local Climatological Data
Champaign-Urbana, IL - 118740

Illinois State Water Survey
Water Survey Research Center

September 2003

DATE	TEMPERATURE			PRECIP (in)	SNOW (in)		WEATHER TYPES	WIND				SKY COVER	DEGREE DAYS		
	Max	Min	Mean		Amnt	Depth		Dir	Speed	Peak	Gust		Dir	Heat	Cool
1	68	59	64	1.91	0.0	0	RW+,R	N	2.2	9.9	NE	CLDY	1	0	14
2	67	61	64	T	0.0	0	L-	NE	2.3	11.1	N	CLDY	1	0	14
3	80	62	71	0.01	0.0	0	L-,F	W	2.4	14.0	NW	PC	0	6	21
4	75	55	65	0.00	0.0	0		N	3.9	13.4	N	PC	0	0	15
5	74	51	63	0.00	0.0	0		NE	1.6	9.8	N	CLR	2	0	13
6	80	50	65	0.00	0.0	0		CALM	1.0	7.7	E	CLR	0	0	15
7	84	54	69	0.00	0.0	0		CALM	1.0	7.3	NE	CLR	0	4	19
8	82	59	71	0.00	0.0	0		CALM	1.0	7.9	N	PC	0	6	21
9	83	60	72	0.00	0.0	0	F	E	1.1	8.0	SE	PC	0	7	22
10	84	61	73	0.00	0.0	0	F,H	SE	1.9	8.7	SE	CLR	0	8	23
11	85	62	74	0.00	0.0	0	F,H	SE	3.0	11.2	SE	PC	0	9	24
12	82	60	71	0.01	0.0	0	RW-	SE	3.7	17.6	S	PC	0	6	21
13	85	67	76	0.06	0.0	0	RW-	S	4.2	18.0	S	PC	0	11	26
14	70	60	65	0.12	0.0	0	RW-	W	4.4	16.5	W	CLDY	0	0	15
15	77	51	64	0.00	0.0	0		W	4.4	18.0	W	PC	1	0	14
16	83	51	67	0.00	0.0	0		SW	3.0	13.9	S	CLR	0	2	17
17	80	52	66	0.00	0.0	0		SE	3.3	16.7	SE	CLR	0	1	16
18	84	55	70	0.00	0.0	0		E	1.6	8.5	NE	CLR	0	5	20
19	69	48	59	T	0.0	0	RW-	W	4.3	19.8	W	PC	6	0	10
20	74	43	59	0.00	0.0	0		CALM	1.2	7.8	NE	CLR	6	0	12
21	80	47	64	0.04	0.0	0	RW-	SE	2.7	11.2	S	PC	1	0	15
22	74	54	64	0.36	0.0	0	TRW,R-,F	W	5.0	21.6	W	CLDY	1	0	14
23	72	46	59	0.00	0.0	0		W	4.9	16.2	NW	CLR	6	0	11
24	85	55	70	0.12	0.0	0	TRW,RW-	SW	6.8	24.0	SW	PC	0	5	20
25	67	45	56	0.00	0.0	0		NW	2.5	14.3	W	CLR	9	0	9
26	71	43	57	1.44	0.0	0	TRW,RW+	S	4.6	21.1	S	CLDY	8	0	11
27	66	45	56	T	0.0	0	RW-	W	5.3	20.5	W	CLDY	9	0	8
28	59	42	51	T	0.0	0	RW-	NW	4.1	15.9	W	CLDY	14	0	5
29	61	36	49	0.00	0.0	0		W	3.5	16.3	W	PC	16	0	6
30	57	38	48	0.00	0.0	0		W	3.8	13.1	N	PC	17	0	4
AVG/TOT	75.3	52.4	63.8	4.07	0.0	0.0		W	3.2				98	70	455
DEP.	-2.3	-2.2	-2.3	+0.85	0.0	0.0		SW	-1.4				+14	-46	-46

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	0	0	13	9	5	2	2	0	10	13	7				
DEP	-2	0	0	0	+1	0	0	+1	0	-1	+4	-3					

	WEATHER TYPES											SEASONAL DEGREE DAYS			PRECIPITATION
	R	L	S	Z	IP	A	T	F	D	H	BS	HEATING	COOLING	CORN	JAN-September
TOTAL	11	2	0	0	0	0	3	5	0	2	0	98	857	3291	30.62
DFF	+1	-1	0	0			-1	0				+13	-120	-15	-1.41

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 – September 2003

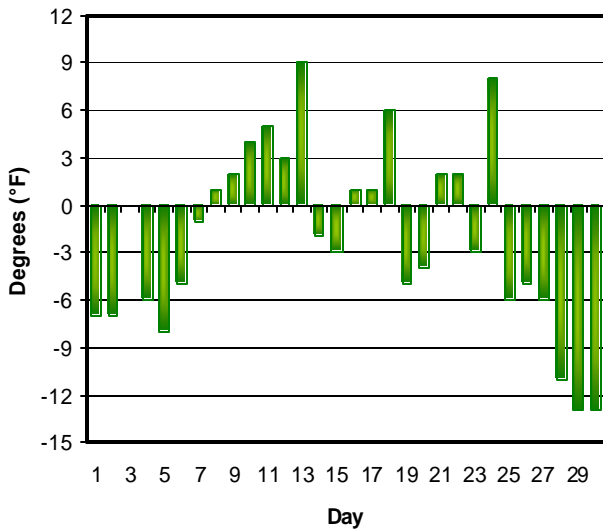
ILLINOIS STATE WATER SURVEY

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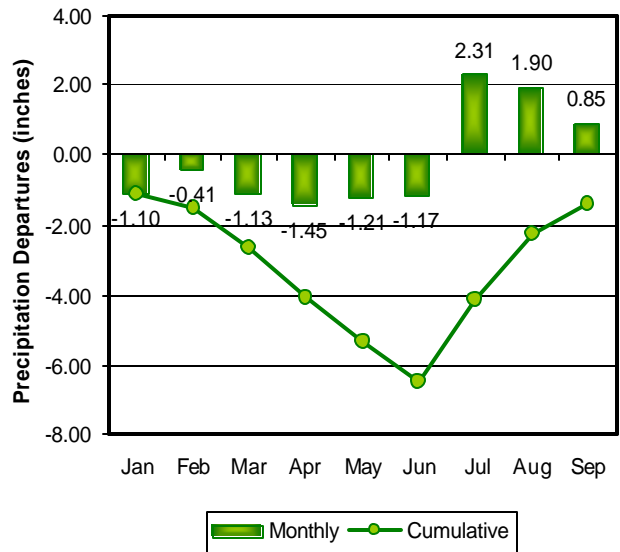
At 2.3° Fahrenheit below average for the month, September 2003 tied with 1962 and 1976 as the 14th coolest September on record. And, although cool air at the end of the month helped to drive temperatures to double digits below average, no new temperature records were set.

September 2003 started out on a wet note as heavy rains on Labor Day soaked the area. ♣ The 1.91 inches of precipitation that fell on the 1st set a new daily record, drenching the old record of 1.54 inches set on September 1st, 1989. The next significant rain that occurred was the 1.44 inches that fell on September 26th, although no new daily records were set at that time. The 3.35 inches of rain that came on just these two days surpassed the monthly average of 3.22 inches and accounted for 82% of our monthly total of 4.07 inches. This 4.07 inches of precipitation ranked September 2003 as the 29th wettest September since 1888.

September 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/>