

Local Climatological Data
Champaign-Urbana, IL - 118740

Illinois State Water Survey
Water Survey Research Center

August 2003

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	Corn
1	87	65	76	0.00	0.0	0		SW	4.3	16.3	W	CLR	0	11	26
2	82	63	73	0.34	0.0	0	TRW+,A(1/4")	S	3.6	18.6	N	CLDY	0	8	23
3	82	61	72	0.28	0.0	0	TRW	SW	2.8	11.3	W	CLDY	0	7	22
4	81	61	71	0.00	0.0	0		W	2.5	11.2	W	PC	0	6	21
5	81	62	72	0.00	0.0	0	F	N	1.6	8.3	NE	PC	0	7	22
6	84	68	76	0.01	0.0	0	RW-	N	1.8	14.5	SE	CLDY	0	11	26
7	84	65	75	T	0.0	0	RW-	NE	2.4	11.9	NE	PC	0	10	25
8	81	65	73	T	0.0	0	RW-	N	3.5	15.3	N	CLDY	0	8	23
9	81	63	72	T	0.0	0	RW-,F	N	3.5	12.9	N	CLDY	0	7	22
10	80	60	70	0.04	0.0	0	RW-	N	2.0	12.8	SE	PC	0	5	20
11	83	63	73	T	0.0	0	RW-	NE	3.4	15.3	NE	PC	0	8	23
12	81	66	74	0.00	0.0	0		NE	3.6	11.0	NE	CLDY	0	9	24
13	83	65	74	0.19	0.0	0	RW-,F,H	NE	3.3	12.1	NE	PC	0	9	24
14	88	70	79	0.00	0.0	0	F,H	S	2.2	9.4	SW	CLDY	0	14	28
15	89	67	78	0.00	0.0	0	F	W	2.9	14.3	W	PC	0	13	27
16	92	70	81	0.00	0.0	0	F	W	3.2	14.5	W	CLR	0	16	28
17	87	67	77	0.00	0.0	0		NE	2.5	13.0	NE	PC	0	12	27
18	83	63	73	0.00	0.0	0		E	1.9	9.7	E	CLR	0	8	23
19	84	58	71	0.00	0.0	0		SE	2.1	12.0	SE	CLR	0	6	21
20	89	60	75	0.00	0.0	0	F,H	S	2.3	9.9	S	CLR	0	10	23
21	97	67	82	0.00	0.0	0	H	SW	4.2	14.6	S	CLR	0	17	27
22	88	64	76	0.00	0.0	0		NE	4.6	15.4	NE	CLR	0	11	25
23	84	61	73	0.00	0.0	0		NE	3.0	10.9	E	CLR	0	8	23
24	87	60	74	0.00	0.0	0		S	2.8	10.4	S	CLR	0	9	23
25	94	65	80	0.00	0.0	0	H	SW	4.2	12.0	SW	CLR	0	15	26
26	98	67	83	0.03	0.0	0	TRW	SW	4.5	14.2	SW	CLR	0	18	27
27	94	68	81	0.03	0.0	0	TRW	NE	3.1	10.5	SW	PC	0	16	27
28	93	64	79	0.00	0.0	0		S	4.0	14.4	S	PC	0	14	25
29	77	67	72	2.60	0.0	0	TRW,RW+,RW-	NE	2.6	16.8	NE	CLDY	0	7	22
30	79	65	72	0.00	0.0	0		NE	4.2	12.4	E	CLR	0	7	22
31	71	62	67	2.75	0.0	0	RW+,R	NE	3.4	13.7	NE	CLDY	0	2	17
AVG/TOT	85.3	64.3	74.8	6.27	0.0			NE	3.1				0	309	742
DEP.	+2.1	+1.6	+1.8	+1.90	0.0			NE	-1.1				-1	+54	+51

NUMBER OF DAYS and DEPARTURE

	MAX TEMP				MIN TEMP				PRECIPITATION					SNOW	SKY COVER		
	>=90	<=32	<=32	<=0	>	>=.01	>=.10	>=.50	>=1.00	>=1.0	CLR	PC	CLDY				
TOTAL	6	0	0	0	13	9	5	2	2	0	12	10	9				
DEP	+1	0	0	0	0	-2	-1	+1	0	0	+2	-2	0				

	WEATHER TYPES											SEASONAL DEGREE DAYS			PRECIPITATION
	R	L	S	Z	IP	A	T	F	D	H	BS	HEATING	COOLING	CORN	JAN-August
TOTAL	13	0	0	0	0	1	5	7	0	5	0	0	787	2836	26.55
DFF	+2	-1	0	0		-1	+1					-1	-74	+31	-2.26

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

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 – August 2003

ILLINOIS STATE WATER SURVEY

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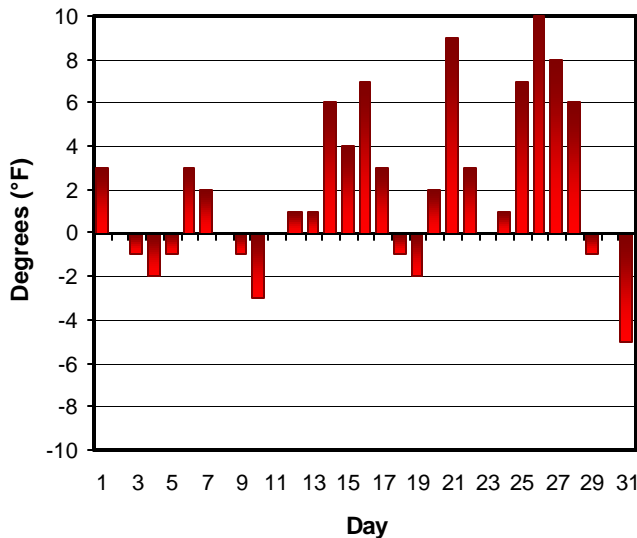
August 2003 was the only month this summer to have above average temperatures and tied as the 20th warmest August on record (1940, 1960, 1975, 2001). On August 26th, the following daily records were recorded:

- ⚡ The high of 98° F tied the record high maximum temperature for the day that was set in 1936. It also was the highest temperature of the summer, although it was not the hottest day. That occurred on the 4th of July, when the mean temperature was 85° degrees.
- ⚡ The mean temperature of 83° F set a new record high mean temperature for the 26th. It just beat the old mean temperature of 82° that had been set in 1936.

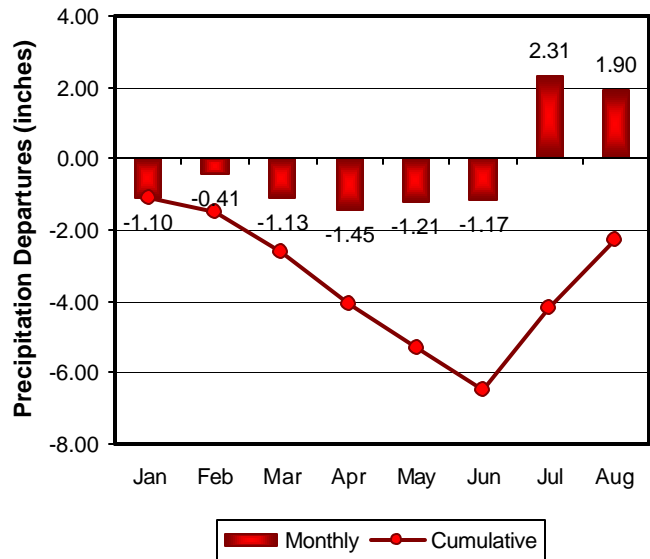
August 2003 continued July's pattern of above average precipitation. However, with only 0.92 inches of precipitation up through the 28th of the month, Champaign-Urbana was on target to have the 7th driest August on record. Then, Labor Day weekend storms raised us up to the 11th wettest August in recorded history.

- ◆ The 2.60 inches of precipitation that fell on Friday, August 29th was a new daily record. It drenched the old record of 1.82 inches set in 1951.
- ◆ The 2.75 inches of precipitation on Sunday, August 31st also set a new daily record, more than doubling the old record for the day of 1.37 inches set in 1944.

August 2003 Mean Daily Temperature Departure from Normal



2003 Monthly Precipitation Departures from Normal



Summer Statistics	June 03 – August 03	Departure from Average	Ranking
Maximum Temperature	83.0° F	-0.7° F	Tied 22 nd coolest (1920, 1993, 1996)
Minimum Temperature	61.8° F	-1.0° F	Tied 24 th coolest (1928, 1951, 1965)
Mean Temperature	72.4° F	-0.9° F	Tied 20 th coolest (1990, 1996, 2000)
Precipitation	16.29 inches	+3.04 inches	12 th wettest

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/>