

Local Climatological Data
Champaign-Urbana, IL - 118740

Illinois State Water Survey
Water Survey Research Center

April 2002

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	54	27	41	0.00	0.0	0		SE	5.2	20.3	SE	PC	24	0	2
2	63	34	49	0.04	0.0	0	TRW,RW-	NW	8.5	28.8	SW	CLDY	16	0	7
3	38	29	34	T	T	0	SW-	NW	6.0	16.7	W	CLDY	31	0	0
4	40	25	33	0.00	0.0	0		N	4.4	12.9	NW	PC	32	0	0
5	51	24	38	0.00	0.0	0		W	4.9	19.0	W	PC	27	0	1
6	48	28	38	0.00	0.0	0		SE	4.4	14.5	SE	CLR	27	0	0
7	60	30	45	0.06	0.0	0	RW-	S	8.3	20.1	S	CLDY	20	0	5
8	65	48	57	0.66	0.0	0	R,R-,L	SE	9.3	30.6	S	CLDY	8	0	8
9	58	39	49	0.04	0.0	0	RW-	N	6.0	18.5	NW	CLDY	16	0	4
10	65	35	50	0.00	0.0	0	F	SE	5.7	17.8	SE	CLR	15	0	8
11	76	40	58	0.00	0.0	0		S	7.5	22.1	S	CLR	7	0	13
12	72	55	64	0.21	0.0	0	TRW	N	7.9	20.8	S	CLDY	1	0	14
13	64	51	58	0.00	0.0	0		N	3.5	11.6	NE	PC	7	0	8
14	74	52	63	0.00	0.0	0		S	6.0	20.7	S	PC	2	0	13
15	84	59	72	0.00	0.0	0		S	11.0	27.5	S	CLR	0	7	22
16	84	59	72	0.00	0.0	0		S	13.4	32.2	S	CLR	0	7	22
17	86	66	76	0.00	0.0	0		S	8.2	19.3	SW	PC	0	11	26
18	85	60	73	0.00	0.0	0		S	11.3	32.2	S	PC	0	8	23
19	84	50	67	0.19	0.0	0	TRW-	SW	6.4	21.4	NE	CLDY	0	2	17
20	53	42	48	0.09	0.0	0	R	NE	8.3	19.7	N	CLDY	17	0	2
21	54	42	48	0.85	0.0	0	TRW+,R-,L-	NE	6.7	26.5	W	CLDY	17	0	2
22	47	35	41	0.00	0.0	0		NW	6.0	22.5	W	CLDY	24	0	0
23	61	33	47	T	0.0	0	RW-	SE	4.9	17.9	SE	PC	18	0	6
24	69	44	57	0.41	0.0	0	TRW	SE	8.1	33.0	W	PC	8	0	10
25	58	34	46	0.00	0.0	0		W	8.4	29.8	W	CLR	19	0	4
26	59	39	49	0.00	0.0	0		N	3.3	13.4	NW	CLR	16	0	5
27	60	44	52	1.66	0.0	0	TRW,R+,L	SE	6.2	17.5	S	CLDY	13	0	5
28	62	44	53	0.00	0.0	0		W	11.4	31.0	W	CLDY	12	0	6
29	63	43	53	0.00	0.0	0		W	5.3	19.0	SW	PC	12	0	7
30	65	47	56	0.00	0.0	0		NE	4.6	15.0	NE	PC	9	0	8
AVG/TOT	63.4	41.9	52.7	4.21	0.0			S	7.0				398	35	248
DEP.	+1.2	+1.1	+1.2	+0.56	-0.5			S	-0.9				-14	+27	+42

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	6	0	12	10	6	3	1	0	7	11	12				
DEP	0	0	0	0	-1	-2	+1	0	0	-1	+2	-1					

	WEATHER TYPES											SEASONAL DEGREE DAYS			PRECIPITATION
	R	L	S	Z	IP	A	T	F	D	H	BS	HEATING	COOLING	CORN	JAN-April
TOTAL	11	3	1	0	0	0	6	1	0	0	0	4973	35	336	13.07
DFF	-2	-1	-1				-1	+1	-2			-690	+27	+29	+2.31

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 = Missin

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 – April 2002

ILLINOIS STATE WATER SURVEY

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Several temperature records were broken during April 2002:

- ⌘ April 15: New record high maximum temperature of 84° F (old record 82 in 1896) and new record high mean temperature of 72° F (old record 71 in 1976)
- ⌘ April 17: New record high minimum temperature of 66° F (old record 61 in 1977) and new record high mean temperature of 76° F (old record 75 in 1977)
- ⌘ April 18: New record high maximum temperature of 84°F (old record 83 in 1917 and 1985)

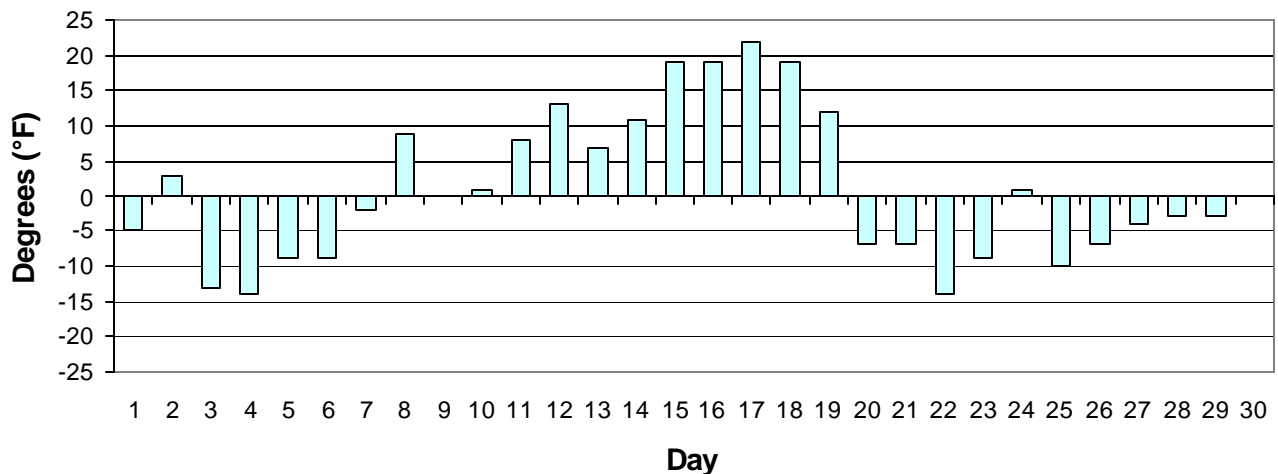
However, despite all of these record setting days during the middle of the month, April 2002 ended tied with 1958 and 1988 as only the 27th warmest April on record.

Record setting precipitation also occurred during April 2002:

- ➦ April 27: New record precipitation of 1.66 inches (old 1.14 in 1983)

For the month, April 2002 was tied with 1941 as the 37th wettest April on record. The wettest April occurred in 1964, when Champaign-Urbana received 9.55 inches of precipitation, and the driest April occurred in 1899 when there was only one-half an inch of precipitation.

April 2002 Mean Daily Temperature Departure from Normal



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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