

Local Climatological Data Champaign-Urbana, IL - 118740

Illinois State Water Survey
Water Survey Research Center

March 2004

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	64	45	55	0.09	0.0	0	RW-	S	13.5	36.3	S	CLDY	10	0
2	55	40	48	0.00	0.0	0		W	7.5	24.2	W	PC	17	0
3	51	35	43	0.02	0.0	0	RW-, L-,F	SE	2.6	10.8	SE	CLDY	22	0
4	58	45	52	1.54	0.0	0	R+,R-,RW-,F	E	3.4	20.0	S	CLDY	13	0
5	64	42	53	0.17	0.0	0	R-	SW	13.9	38.9	SW	PC	12	0
6	50	35	43	0.00	0.0	0		W	7.2	19.6	W	CLDY	22	0
7	50	35	43	T	0.0	0	RW-	W	13.5	36.9	W	PC	22	0
8	44	31	38	0.02	T	0	SW-	W	5.5	18.3	W	PC	27	0
9	40	26	33	0.03	T	0	SW-	N	6.1	18.6	N	PC	32	0
10	49	23	36	0.00	0.0	0		S	7.5	22.7	S	CLR	29	0
11	47	22	35	0.00	0.0	0		NW	11.8	35.8	W	CLR	30	0
12	38	17	28	0.00	0.0	0		NW	5.8	20.1	W	CLR	37	0
13	51	22	37	0.03	0.0	0	RW-	SE	6.0	18.2	S	CLR	28	0
14	52	30	41	0.08	0.0	0	RW-	W	10.4	31.9	W	PC	24	0
15	44	30	37	0.10	0.5	0	R-,S-	NE	5.4	22.5	NE	CLDY	28	0
16	36	31	34	0.18	1.2	2	R-,S,S-	NE	5.4	16.6	E	CLDY	31	0
17	44	31	38	0.04	0.7	1	L-,S-,SW-	W	4.7	15.9	W	CLDY	27	0
18	53	28	41	0.02	0.0	0	RW-,F	NW	4.6	23.0	W	CLDY	24	0
19	58	29	44	0.00	0.0	0		SE	5.9	18.9	S	CLR	21	0
20	68	34	51	0.01	0.0	0	RW-	NW	9.7	30.1	N	PC	14	0
21	39	24	32	0.00	0.0	0		N	8.6	24.7	N	PC	33	0
22	42	20	31	0.00	0.0	0		S	3.7	12.7	W	CLR	34	0
23	60	30	45	T	0.0	0	RW-	S	8.5	23.8	SW	PC	20	0
24	65	43	54	0.14	0.0	0	RW	S	11.1	29.9	S	PC	11	0
25	61	51	56	0.72	0.0	0	R	S	8.9	18.6	S	CLDY	9	0
26	64	56	60	2.92	0.0	0	TRW+,RW+,R+,R-	S	6.9	27.2	S	CLDY	5	0
27	70	53	62	0.00	0.0	0	F	SE	5.7	16.8	S	PC	3	0
28	75	48	62	0.63	0.0	0	RW	S	10.0	27.2	S	PC	3	0
29	63	42	53	0.00	0.0	0		W	3.7	15.2	W	CLR	12	0
30	50	37	44	0.92	0.0	0	R,R-,RW-	NW	7.1	17.6	W	CLDY	21	0
31	52	37	45	0.08	0.0	0	R-	N	7.8	20.3	N	CLDY	20	0
AVG/TOT	53.5	34.6	44.1	7.74	2.4			S	7.5				641	0
DEP.	+3.9	+3.4	+3.7	+4.53	-0.9			S	-0.5				-124	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	15	0	21	19	9	5	2	1	7	12	12					
DEP	0	-3	-3	0	+8	+2	+3	+1	0	0	0	+3	-3					

	WEATHER TYPES											SEASONAL DEGREE DAYS		PRECIPITATION
	R	L	S	Z	IP	A	T	F	D	H	BS	HEATING	COOLING	JAN-March
TOTAL	17	2	5	0	0	0	1	5	0	0	0	4915	0	10.48
DFF	+7	-2	-1	-1	-1	-2	+1					-336	0	+3.37

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 – March 2004

ILLINOIS STATE WATER SURVEY

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As is typical for a transition month, temperatures during March 2004 varied widely – from a high of 75° Fahrenheit to a low of 17° Fahrenheit. In general, however, temperatures were above average for most of the month, and March 2004 ended as tied with 1905 as the 14th warmest March since records began in 1888.

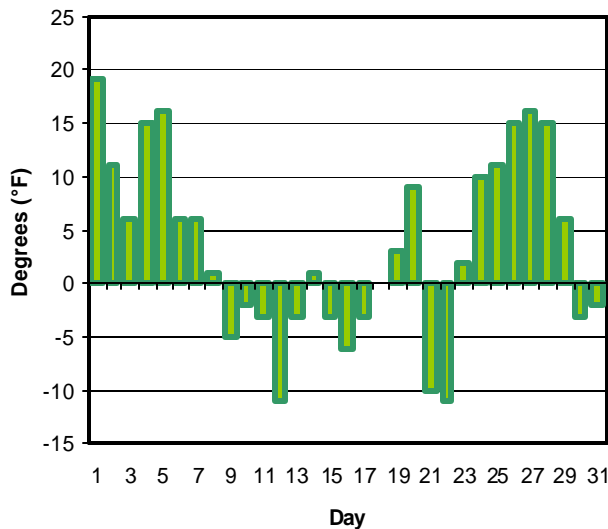
- ‡ The mean temperature of 55° Fahrenheit on March 1st tied the record high mean temperature for that day originally set in 1976.

The most memorable impression of March 2004 was the precipitation, with measurable amounts falling on 19 of 31 days. The final total of 7.74 inches was the 3rd greatest monthly total for March on record, and it closely challenged the 2nd place position of 7.76 inches which was set in 1898. The wettest recorded March occurred in 1922 when 8.35 inches of precipitation fell.

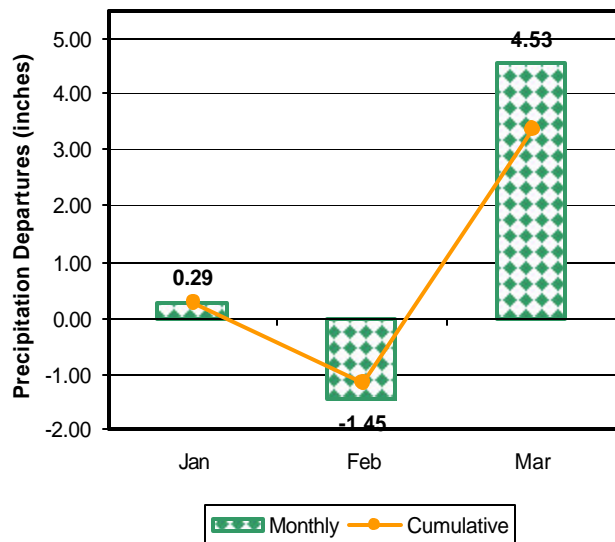
- ◆ The daily precipitation total of 2.92 inches on March 26th drenched the old record of 1.05 inches for the day which had been set in 1934 and it just barely missed the one-day maximum for the month of 2.93 inches (March 13, 1917).

The snowfall total for March 2004 of 2.4 inches is the 21st lowest since records began in 1905. However, this statistic is slightly misleading since 15 years are tied for the lowest ranking with no measurable snowfall. This low snowfall total was favorable for those anticipating spring weather considering the greatest one month snowfall total for the area actually occurred during a March. In March 1906, Champaign-Urbana received a record of 32.0 inches, including one day totals of 9.0 inches on 3/11/1906 and 14.0 inches on 3/20/1906.

**March 2004 Mean Daily Temperature
Departure from Normal**



**2004 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/>