

Local Climatological Data
Champaign-Urbana, IL - 118740
February 1999

Illinois State Water Survey
 Water Survey Research Center

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
2/1/1999	46	39	43	T	0.0	0	R-,L-,F	S	7.1	16.6	S	CLDY	22	0
2/2/1999	45	31	38	0.09	0.0	0	R-,L-	WSW	10.2	28.5	W	PC	27	0
2/3/1999	47	32	40	T	0.0	0	RW-	S	12.9	31.8	S	CLDY	25	0
2/4/1999	41	22	32	0.00	0.0	0		W	9.9	28.9	W	CLR	33	0
2/5/1999	46	21	34	T	0.0	0	R-,L-	S	9.7	23.0	S	PC	31	0
2/6/1999	53	37	45	0.00	0.0	0		NE	5.8	21.0	SW	CLR	20	0
2/7/1999	42	29	36	1.46	0.5	0	R-,L-,S	NE	8.6	33.8	NE	CLDY	29	0
2/8/1999	52	29	41	0.00	0.0	0	F	S	9.4	22.8	S	PC	24	0
2/9/1999	55	36	46	0.00	0.0	0		N	4.0	14.2	N	CLR	19	0
2/10/1999	60	33	47	0.00	0.0	0		SE	6.6	20.1	SE	CLR	18	0
2/11/1999	70	30	50	0.33	0.0	0	TRW,R	S	20.6	55.2	S	PC	15	0
2/12/1999	36	19	28	0.01	0.2	0	R-,L-,SW-	W	14.4	33.3	W	CLDY	37	0
2/13/1999	34	14	24	T	T	T	SW-	NW	6.5	21.8	NW	PC	41	0
2/14/1999	44	20	32	0.00	0.0	0		S	10.1	25.8	S	CLR	33	0
2/15/1999	55	30	43	0.00	0.0	0		S	12.8	32.9	S	PC	22	0
2/16/1999	43	33	38	0.23	T	T	R-,L-,SW-	W	7.3	17.9	W	CLDY	27	0
2/17/1999	33	24	29	T	T	0	SW-	W	5.8	17.0	NW	PC	36	0
2/18/1999	36	22	29	0.00	0.0	0		NE	3.0	10.6	NE	CLDY	36	0
2/19/1999	36	27	32	0.00	0.0	0		NE	5.8	14.4	N	CLDY	33	0
2/20/1999	33	26	30	0.00	0.0	0		NE	6.8	18.8	NE	CLDY	35	0
2/21/1999	35	22	29	0.00	0.0	0		N	7.4	18.6	N	CLR	36	0
2/22/1999	35	19	27	0.00	0.0	0		SE	4.7	14.8	SE	PC	38	0
2/23/1999	33	25	29	0.05	0.4	T	S-	SE	5.8	18.0	SE	CLDY	36	0
2/24/1999	35	26	31	0.21	1.7	T	S,S-	S	5.8	20.2	S	CLDY	34	0
2/25/1999	33	28	31	0.00	0.0	1		N	3.2	12.6	NW	CLDY	34	0
2/26/1999	46	25	36	0.07	0.0	T	RW-	SE	8.6	21.2	SE	PC	29	0
2/27/1999	59	40	50	0.03	0.0	0	R-	W	8.0	21.7	S	CLDY	15	0
2/28/1999	42	36	39	T	T	0	S-	W	11.8	29.0	W	CLDY	26	0
AVG/TOT	43.8	27.7	35.7	2.48	2.8			S	8.3				811	0
DEP.	+7.5	+7.4	+7.4	+0.51	-4.2			S	+0.				-231	0

NUMBER OF DAYS and DEPARTURE

	MAX TEMP				PRECIPITATION					SNOW	SKY COVER		
	>=90	<=32	<=32	<=0	>T	>=.01	>=.10	>=.50	>=1.00	>=1.0	CLR	PC	CLDY
TOTAL	0	0	21	0	15	9	4	1	1	1	6	9	13
DEP	0	-11	-3	-2	0	0	0	0	+1	-1	-2	+2	0

	WEATHER TYPES										SEASONAL DEGREE DAYS		PRECIPITATION	
	R	L	S	Z	IP	A	T	F	D	H	BS	HEATING	COOLING	JAN-February
TOTAL	10	6	8	0	0	0	1	2	0	0	0	3866	0	7.36
DEP	+5	+	-1	-2			0	-2				-711	0	+3.56

Averages based on 1961-1990 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 = Sleet H = Haze
 S = Snow A = Hail BS = Blowing
 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. Heating DD season July-June. Cool and Corn DD season January-December.

Champaign-Urbana Weather Highlights – February 1999

ILLINOIS STATE WATER SURVEY

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The mean temperature for the month of 35.7°F was 7.4°F above average, making this the twelfth warmest February on record.

The maximum temperature of 70°F on February 11 was a new record for the date, breaking the old record of 65°F set in 1932. It was one degree shy of tying the record high for the month.

The winter statistics are as follows (climatological winter is the months of December, January, and February):

		<u>Departure</u>
Mean maximum temperature:	40.0°F	+5.2
Mean minimum temperature:	23.7°F	+4.3
Mean temperature:	31.9°F	+4.8
Precipitation:	8.25"	+1.43
Snowfall:	*26.1"	+5.0

*December snowfall corrected to 4.6"

SDH