

Local Climatological Data
Champaign-Urbana, IL - 118740
August 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
1	85	69	77	0.00	0.0	0		N	4.4	14.2	N	CLR	0	12	27
2	82	64	73	0.00	0.0	0		N	4.0	12.9	N	CLR	0	8	23
3	82	63	73	0.00	0.0	0		NE	2.2	10.1	W	CLR	0	8	23
4	84	64	74	0.00	0.0	0		W	4.4	17.1	W	PC	0	9	24
5	83	60	72	0.00	0.0	0		NW	2.9	12.4	NW	PC	0	7	22
6	84	59	72	0.00	0.0	0		SW	2.3	10.0	S	PC	0	7	22
7	83	64	74	0.69	0.0	0	TRW+,TRW	SW	5.2	17.7	SW	CLDY	0	9	24
8	76	59	68	0.08	0.0	0	TRW	NE	4.8	14.6	NE	CLR	0	3	18
9	78	56	67	0.00	0.0	0		SE	2.5	8.8	SE	CLR	0	2	17
10	87	59	73	0.00	0.0	0		W	4.8	17.3	W	PC	0	8	23
11	86	66	76	T	0.0	0	RW-,L-	N	1.9	11.0	W	PC	0	11	26
12	85	67	76	2.96	0.0	0	RW+,TRW+	NE	5.1	31.6	W	CLDY	0	11	26
13	82	64	73	0.93	0.0	0	TRW+, RW-	W	8.1	24.3	W	PC	0	8	23
14	74	58	66	0.00	0.0	0		N	4.5	15.7	N	PC	0	1	16
15	77	55	66	0.00	0.0	0		SE	2.4	10.7	SE	PC	0	1	16
16	85	55	70	0.00	0.0	0		S	3.8	12.8	S	CLR	0	5	20
17	88	64	76	0.00	0.0	0		NW	3.3	11.3	NW	PC	0	11	25
18	79	62	71	T	0.0	0	RW-	NE	2.3	10.2	S	CLDY	0	6	21
19	78	62	70	T	0.0	0	RW-	NE	5.1	17.5	N	CLDY	0	5	20
20	79	58	69	0.00	0.0	0		NE	3.7	12.6	N	CLR	0	4	19
21	80	53	67	0.00	0.0	0		NE	1.6	7.4	E	CLR	0	2	17
22	83	58	71	0.00	0.0	0		SE	1.7	8.6	SE	PC	0	6	21
23	85	64	75	0.39	0.0	0	TRW+	SE	3.2	20.8	N	PC	0	10	25
24	75	60	68	0.29	0.0	0	TRW	W	3.8	14.7	W	CLDY	0	3	18
25	80	58	69	0.00	0.0	0	F	N	2.4	10.2	NE	PC	0	4	19
26	83	62	73	0.00	0.0	0		NW	2.6	15.1	W	CLR	0	8	23
27	86	62	74	0.00	0.0	0	F	NW	2.2	10.8	W	CLR	0	9	24
28	88	63	76	0.00	0.0	0		W	2.5	12.7	W	CLR	0	11	25
29	86	58	72	0.00	0.0	0		NE	5.3	18.4	NE	CLR	0	7	22
30	75	54	65	0.00	0.0	0		NE	4.0	12.6	E	CLR	0	0	15
31	78	54	66	0.00	0.0	0		E	1.8	10.5	SE	CLR	0	1	16
AVG/TOT	81.8	60.5	71.2	5.34	0.0	0.0		NE	3.5			0	197	660	
DEP.	-1.2	-1.9	-1.5	+1.32	0.0	0.0		SW	-1.2			-7	-41	-19	

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	9	6	5	3	1	0	14	12	5			
DEP	-4	0	0	0	-3	-1	0	0	0	0	+4	0	-4			

	WEATHER TYPES											SEASONAL DEGREE DAYS			PRECIPITATION
	R	L	S	Z	IP	A	T	F	D	H	BS	HEATING	COOLING	CORN	JAN-August
TOTAL	9	1	0	0	0	0	6	2	0	0	0	0	915	2922	32.85
DEP	-2	0	0	0	0	0	0	-4				-9	+76	+158	+5.27

Averages based on 1961-1990 The daily sky condition is determined by the prevailing sky condition of three observations made between 7am and 7pm 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 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 – August 1999

ILLINOIS STATE WATER SURVEY

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There were no days with temperatures of 90°F higher during August. The total for the summer (June, July, August) was 22, five more than average (6 in June, 16 in July).

Rainfall was quite variable across Champaign-Urbana during August, ranging from 3.13" just north of Champaign to 6.55" just west of Willard Airport. Most amounts in Champaign-Urbana ranged from four to five inches this month.

The average temperature for the summer was 73.8°F, 0.6°F above normal. The average maximum temperature was 83.8°F (+0.1°F), and the average minimum temperature was 63.7°F (+1.0°F).

Summer precipitation totaled 15.30", 2.73" above normal.

There were no record temperatures set this summer.

Revised September 8, 1999 to clarify summer and August precipitation amounts.

SDH