

# Local Climatological Data

## Champaign-Urbana, IL - 118740

### July 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	79	68	74	0.26	0.0	0	TRW	W	5.5	23.1	W	PC	0	9	24
2	84	64	74	0.02	0.0	0	L-,F	S	3.8	14.6	S	PC	0	9	24
3	90	76	83	0.00	0.0	0		S	8.6	18.5	S	CLR	0	18	31
4	91	74	83	0.00	0.0	0		SW	6.5	16.4	SW	CLR	0	18	30
5	91	74	83	0.00	0.0	0		SW	5.9	15.8	SW	CLR	0	18	30
6	88	71	80	0.00	0.0	0		N	5.2	16.0	W	PC	0	15	29
7	85	64	75	0.00	0.0	0		N	2.6	11.4	NW	CLR	0	10	25
8	86	59	73	0.00	0.0	0		S	4.9	15.0	S	CLR	0	8	23
9	86	70	78	0.00	0.0	0		W	6.6	18.3	W	PC	0	13	28
10	76	60	68	0.00	0.0	0		NNE	5.8	17.7	NE	PC	0	3	18
11	80	58	69	0.00	0.0	0		NE	3.8	11.5	NE	CLR	0	4	19
12	82	57	70	0.00	0.0	0		NE	2.4	12.5	NE	CLR	0	5	20
13	83	57	70	0.00	0.0	0		SE	2.0	10.2	SW	CLR	0	5	20
14	85	56	71	0.00	0.0	0		S	3.9	15.4	S	CLR	0	6	21
15	88	61	75	0.00	0.0	0		S	5.7	17.0	S	PC	0	10	24
16	91	65	78	0.00	0.0	0	F	S	5.5	17.7	S	CLR	0	13	26
17	84	70	77	0.11	0.0	0	L-,RW,R-	W	5.8	23.0	W	CLDY	0	12	27
18	91	66	79	0.00	0.0	0		W	2.4	8.4	SW	CLR	0	14	26
19	91	70	81	1.13	0.0	0	TRW+,F	SW	3.7	23.3	NW	PC	0	16	28
20	91	72	82	0.16	0.0	0	RW-	SW	2.4	19.9	W	CLDY	0	17	29
21	92	71	82	0.00	0.0	0	F,H	SW	5.0	16.1	W	CLR	0	17	29
22	93	74	84	0.00	0.0	0	F,H	W	5.0	14.7	W	CLR	0	19	30
23	93	73	83	0.32	0.0	0	TRW	SW	3.8	20.7	NW	CLR	0	18	30
24	92	71	82	0.00	0.0	0		W	2.7	9.3	NE	CLR	0	17	29
25	94	71	83	0.00	0.0	0		W	2.5	11.0	W	CLR	0	18	29
26	90	74	82	0.00	0.0	0	F	W	3.0	15.1	W	CLDY	0	17	30
27	90	70	80	1.05	0.0	0	TRW+,RW+	SW	2.9	26.3	W	CLR	0	15	28
28	89	69	79	0.77	0.0	0	TRW,RW,RW+	SW	4.6	38.5	W	PC	0	14	28
29	95	71	83	0.00	0.0	0	F	SW	4.6	15.3	SW	CLR	0	18	29
30	96	76	86	0.00	0.0	0		SW	5.2	12.0	W	CLR	0	21	31
31	86	75	81	0.00	0.0	0		W	6.2	18.7	SW	CLR	0	16	31
<b>AVG/TOT</b>	<b>88.1</b>	<b>68.0</b>	<b>78.1</b>	<b>3.82</b>	<b>0.0</b>			<b>SW</b>	<b>4.5</b>			<b>0</b>	<b>413</b>	<b>826</b>	
DEP.	+2.8	+3.2	+3.0	-0.66	0.0			SW	-0.4			-2	+10	+88	

### 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	16	0	0	0	8	8	7	3	2	0	20	8	3
DEP	+9	0	0	0	-1	0	0	+1	0	0	+1	-5	-5

	WEATHER TYPES											SEASONAL DEGREE DAYS			PRECIPITATION
	R	L	S	Z	IP	A	T	F	D	H	BS	HEATING	COOLING	CORN	JAN-July
TOTAL	7	2	0	0	0	0	5	7	0	2	0	0	718	2262	27.51
DEP	-4	+	0	0			-2	+				-2	+117	+177	+3.95

**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 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 – July 1999

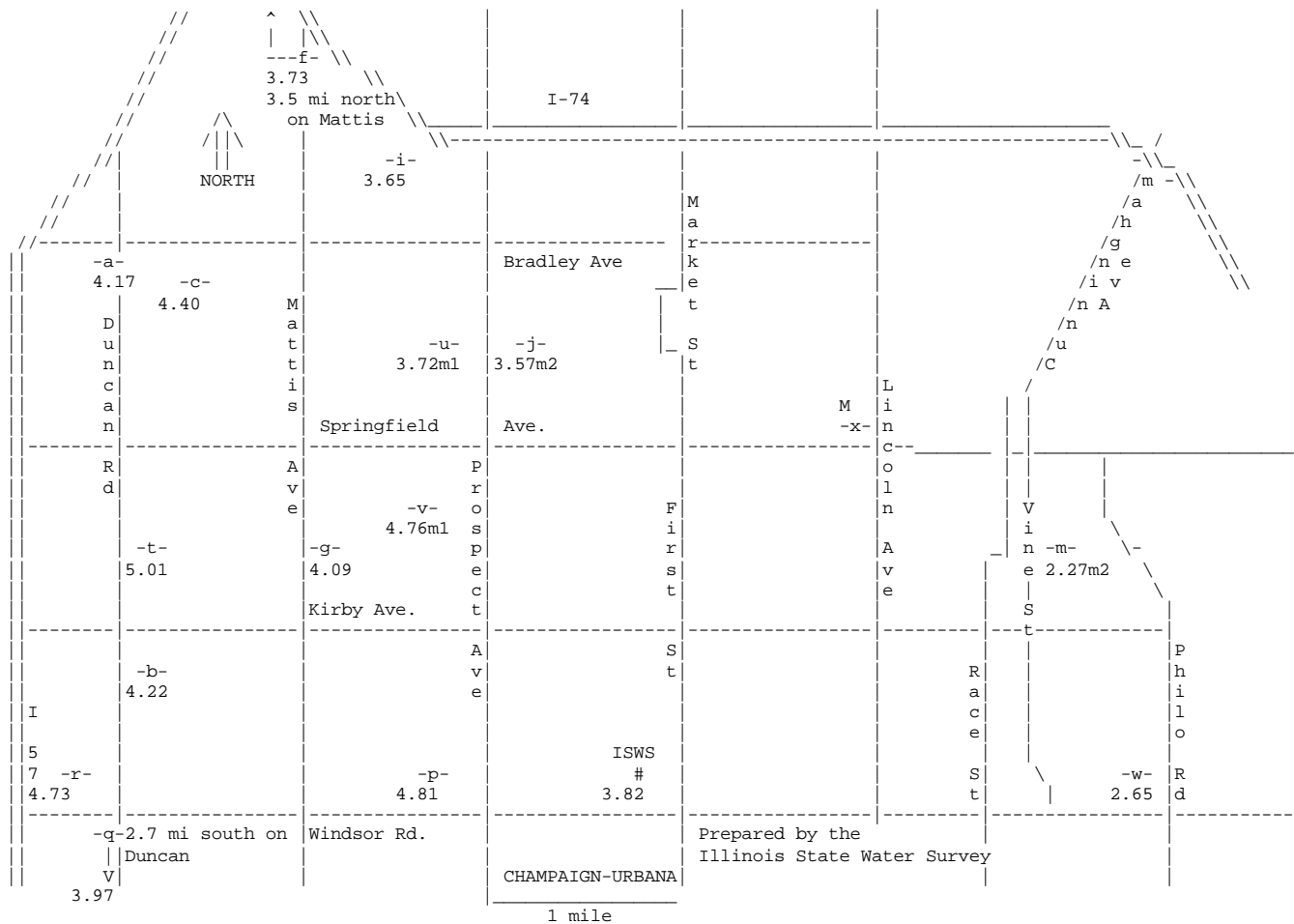
## ILLINOIS STATE WATER SURVEY

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Despite a hot last two weeks of July, the mean temperature for the month (78.1°F) was only 3.0°F above average, the 17<sup>th</sup> warmest on record. The record mean temperature for July is 83.1°F set in 1936. There were 16 days with maximum temperatures of 90°F or higher, nine more than average and the 9<sup>th</sup> highest total for July. The last time there were 16 or more days with 90°F or higher temperatures in July was in 1988 with 18.

Precipitation varied greatly across Champaign-Urbana this month, ranging from a low of 2.65 inches in southeast Urbana to a high of 5.01 inches in west Champaign. *SDH*

CHAMPAIGN-URBANA "BONEYARD" PRECIPITATION NETWORK  
 Period: July 1999 Includes data received as of 08/03/99



REMARKS: Amounts plotted are for period 07:00 a.m. LT 6/30 to 07:00 a.m. LT 7/31, except for ISWS. ISWS amount for period from 12:01 a.m. CST on the 1st to 11:59 p.m. CST on 7/31.  
 M = all data for this station missing      mN = N days of data missing for this station