

Local Climatological Data  
Champaign-Urbana, IL - 118740

Illinois State Water Survey  
Water Survey Research Center

September 2002

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	87	65	76	0.00	0.0	0		SE	1.6	8.1	SE	CLR	0	11	26
2	91	64	78	0.00	0.0	0		SW	4.2	12.5	SW	CLR	0	13	25
3	84	67	76	0.00	0.0	0		N	3.1	10.2	NE	PC	0	11	26
4	84	58	71	0.00	0.0	0		NE	1.7	10.1	NE	CLR	0	6	21
5	85	58	72	0.00	0.0	0		NE	2.2	10.1	NE	CLR	0	7	22
6	87	60	74	0.00	0.0	0		E	1.8	10.1	SE	CLR	0	9	23
7	92	62	77	0.00	0.0	0		SE	1.4	7.6	S	CLR	0	12	24
8	92	66	79	0.00	0.0	0		W	1.6	10.4	NW	CLR	0	14	26
9	91	70	81	0.00	0.0	0		CALM	1.0	6.6	SE	CLR	0	16	28
10	91	66	79	T	0.0	0	RW,-F	W	4.1	18.7	N	PC	0	14	26
11	76	57	67	0.00	0.0	0		NE	4.0	16.2	NE	PC	0	2	17
12	79	56	68	0.00	0.0	0		NE	1.8	7.7	E	CLR	0	3	18
13	84	55	70	0.00	0.0	0		NE	1.4	7.5	S	CLR	0	5	20
14	89	60	75	0.02	0.0	0	RW-	SW	3.2	14.3	W	PC	0	10	23
15	71	61	66	0.15	0.0	0	RW,-F	NE	2.8	12.6	N	CLDY	0	1	16
16	79	57	68	0.00	0.0	0		NE	1.7	8.4	N	PC	0	3	18
17	80	56	68	0.32	0.0	0	TRW,RW-	E	2.5	15.4	SE	PC	0	3	18
18	85	65	75	0.01	0.0	0	RW,-F	S	5.0	19.0	S	CLDY	0	10	25
19	83	67	75	0.28	0.0	0	RW	S	6.3	19.4	S	CLDY	0	10	25
20	70	59	65	0.98	0.0	0	RW	SW	5.7	24.1	SW	CLDY	0	0	15
21	82	55	69	0.00	0.0	0		SW	2.9	10.8	W	CLR	0	4	19
22	70	49	60	T	0.0	0	RW-	N	3.5	18.1	NW	PC	5	0	10
23	73	45	59	0.00	0.0	0		SW	2.9	12.4	W	CLR	6	0	12
24	68	44	56	0.00	0.0	0		NE	2.6	11.3	N	CLR	9	0	9
25	77	48	63	0.00	0.0	0		NE	2.2	11.0	SE	PC	2	0	14
26	75	51	63	0.00	0.0	0		NE	2.1	9.4	N	CLDY	2	0	13
27	76	58	67	0.01	0.0	0	RW-	N	3.9	13.4	N	CLDY	0	2	17
28	82	53	68	0.00	0.0	0		SE	2.4	8.5	NE	CLR	0	3	18
29	86	57	72	0.00	0.0	0		S	4.7	16.6	S	CLR	0	7	22
30	85	56	71	0.00	0.0	0	F	S	6.3	21.3	SW	PC	0	6	21
<b>AVG/TOT</b>	<b>81.8</b>	<b>58.2</b>	<b>70.0</b>	<b>1.77</b>	<b>0.0</b>	<b>0.0</b>		<b>NE</b>	<b>3.0</b>				<b>24</b>	<b>182</b>	<b>597</b>
<b>DEP.</b>	<b>+4.2</b>	<b>+3.6</b>	<b>+3.9</b>	<b>-1.45</b>	<b>0.0</b>	<b>0.0</b>		<b>SW</b>	<b>-1.6</b>				<b>-60</b>	<b>+66</b>	<b>+96</b>

NUMBER OF DAYS and DEPARTURE

	MAX TEMP				MIN TEMP				PRECIPITATION					SNOW	SKY COVER		
	>=90	<=32	<=32	<=0	>	>=.01	>=.10	>=.50	>=1.00	>=1.0	CLR	PC	CLDY				
TOTAL	5	0	0	0	9	7	4	1	0	0	15	9	6				
DEP	+3	0	0	0	-1	-1	-1	-1		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-September
TOTAL	9	0	0	0	0	0	1	4	0	0	0	24	1298	3575	33.91
DFF	-1	-3	0	0			-3	-1				-61	+321	+269	+1.88

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  
Precip amount "T" = Trace

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 – September 2002

## ILLINOIS STATE WATER SURVEY

Maria Peters, Weather Observer

2204 Griffith Drive

Champaign, IL 61820

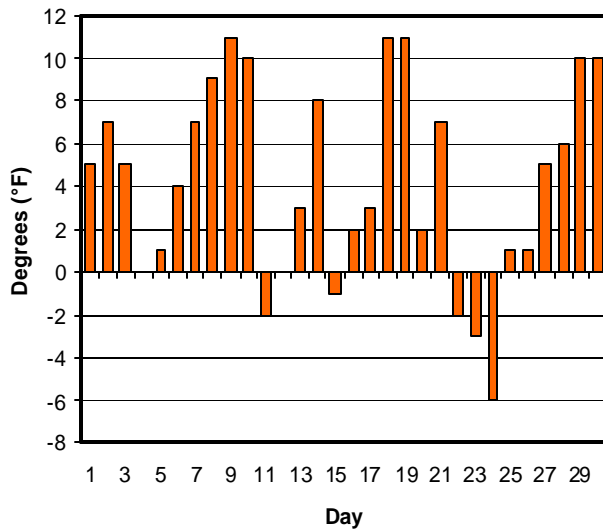
wxobsrvr@sws.uiuc.edu

No new temperature or precipitation records were set during September 2002.

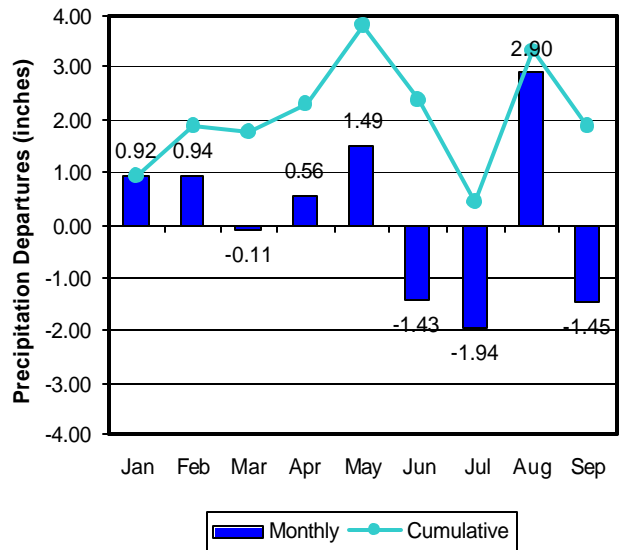
Despite several days with maximum temperatures of 90° Fahrenheit or above, September 2002 ended as tied with 1927 and 1936 for the 10<sup>th</sup> warmest September since 1888. The warmest Septembers on record occurred in 1925 and 1933, with an average temperature of 72.2° Fahrenheit. The greatest number of 90°+ days in a September occurred in 1897, when there were fifteen – twelve of which were consecutive. During all of 2002, Champaign-Urbana has had 42 days of 90° or greater temperatures, which is exactly twice the average.

The 1.77 inches of precipitation this month ranks September 2002 as the 33<sup>rd</sup> driest on record. The driest September since 1888 occurred in 1891 when only 0.06 inches of precipitation fell. The wettest September was in 1926, when the area received 9.76 inches during the month.

September 2002 Mean Daily Temperature  
Departure from Normal



2002 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/>