

Weather Observations for Champaign-Urbana, Illinois
Illinois State Water Survey, Prairie Research Institute, University of Illinois

August 2016

Day	Midnight to Midnight							8 AM Observations							Comments
	Temperature (F)				Degree Days			Precipitation (inches)			Soil Temperature (F)		Temp. (F)		
	High	Time (CST)	Low	Time (CST)	Mean	Depart	Heating	Cooling	Precipitation	Snowfall	Snow Depth	4 inch	8 inch	Morning Low	
1	86	3:58 PM	67	4:29 AM	77	+3	0	12	0.00	0.0	0	77	78	67	fog
2	85	2:49 PM	67	3:40 AM	76	+2	0	11	0.00	0.0	0	77	78	67	
3	88	3:10 PM	69	4:34 AM	79	+5	0	14	0.00	0.0	0	77	78	69	fog
4	90	4:17 PM	69	5:02 AM	80	+6	0	15	0.00	0.0	0	78	79	69	
5	84	12:31 PM	71	5:02 AM	78	+4	0	13	0.00	0.0	0	79	80	71	
6	84	1:55 PM	67	11:59 PM	76	+2	0	11	0.00	0.0	0	77	78	67	
7	83	12:48 PM	64	4:56 AM	74	0	0	9	0.00	0.0	0	76	77	64	
8	85	12:01 PM	66	5:21 AM	76	+2	0	11	0.00	0.0	0	76	77	66	
9	88	2:56 PM	67	2:00 AM	78	+4	0	13	0.00	0.0	0	77	77	67	
10	90	4:00 PM	68	4:26 AM	79	+5	0	14	0.00	0.0	0	77	78	68	
11	93	1:01 PM	71	4:03 AM	82	+8	0	17	0.00	0.0	0	79	79	71	fog
12	88	3:26 PM	72	11:54 PM	80	+6	0	15	0.00	0.0	0	80	80	72	
13	80	10:41 AM	69	10:04 PM	75	+1	0	10	0.93	0.0	0	79	79		
14	78	10:37 AM	65	5:05 AM	72	-2	0	7	0.00	0.0	0	76	78	65	
15	76	2:24 PM	68	4:26 AM	72	-2	0	7	0.13	0.0	0	76	77	68	rain
16	84	3:02 PM	70	11:50 PM	77	+3	0	12	1.47	0.0	0	76	76	70	rain, fog
17	86	2:34 PM	69	4:32 AM	78	+4	0	13	0.00	0.0	0	77	77	69	fog
18	87	1:18 PM	66	11:59 PM	77	+3	0	12	0.00	0.0	0	77	78	68	fog
19	84	4:41 PM	66	1:52 AM	75	+1	0	10	0.50	0.0	0	77	78	66	thunderstorm, fog
20	81	11:49 AM	64	11:59 PM	73	0	0	8	0.00	0.0	0	78	78	71	fog
21	77	3:05 PM	58	4:44 AM	68	-5	0	3	0.13	0.0	0	75	76	58	
22	81	3:46 PM	56	5:14 AM	69	-4	0	4	0.00	0.0	0	73	75	56	
23	82	1:17 PM	57	5:24 AM	70	-3	0	5	0.00	0.0	0	73	75	57	
24	87	2:06 PM	67	12:01 AM	77	+4	0	12	0.00	0.0	0	76	76	67	
25	86	3:43 PM	67	5:57 AM	77	+4	0	12	0.75	0.0	0	76	77	67	thunderstorms
26	87	1:37 PM	69	5:03 AM	78	+5	0	13	0.04	0.0	0	78	78	69	thunderstorm
27	89	1:24 PM	69	2:35 AM	79	+6	0	14	0.20	0.0	0	78	78	69	rain
28	90	3:04 PM	69	4:44 AM	80	+8	0	15	0.00	0.0	0	78	78	69	
29	90	4:03 PM	68	4:42 AM	79	+7	0	14	0.00	0.0	0	79	79	68	
30	86	2:02 PM	70	5:00 AM	78	+6	0	13	0.00	0.0	0	79	79	70	fog
31	84	1:52 PM	63	11:45 PM	74	+2	0	9	0.00	0.0	0	78	79	70	fog
Avg/Sum	85.1		66.7		76.2		0	348	4.15	0.0	0	77.1	77.7		
Highest	93		72		82		0	17	1.47	0.0	0				
Lowest	76		56		68		0	3	0.00	0.0	0				
Normal	83.7		63.1		73.4		5	265	3.93	0.0					
Departure	1.4		3.6		2.8		-5	83	0.22	0.0					
Days ≥ 90	5	Days ≤ 32	0												

Notes:
 Temperatures are from midnight to midnight (calendar day) and are in degrees Fahrenheit
 Precipitation and snowfall are measured at 8 am and represent the previous 24 hours, T means a trace of precipitation
 Time is always Central Standard Time (CST)
 Heating and cooling degree days use a base temperature of 65°F
 Normal refers to the 1981-2010 average
 "Days 90" means # of days with a high temperature of 90° or more, "Days 32" means # of days with a low temperature of 32° or less

