

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

**October 2017**

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	77	3:02 PM	44	5:33 AM	61	+1	4	0	0.00	0.0	0	63	67	44	
2	85	1:28 PM	58	6:00 AM	72	+13	0	7	0.00	0.0	0	67	69	58	
3	79	10:50 AM	61	3:55 AM	70	+11	0	5	0.00	0.0	0	68	70	61	
4	76	12:23 AM	66	4:55 AM	71	+13	0	6	0.04	0.0	0	70	71	66	rain
5	74	1:00 PM	60	7:49 AM	67	+9	0	2	0.24	0.0	0	70	71	61	rain
6	71	3:15 PM	65	5:09 AM	68	+10	0	3	1.42	0.0	0	69	70	65	rain
7	85	12:15 PM	59	4:38 PM	72	+15	0	7	0.16	0.0	0	69	70	61	rain
8	79	1:23 PM	51	5:56 AM	65	+8	0	0	0.22	0.0	0	65	69	51	rain
9	84	1:18 PM	57	5:43 AM	71	+15	0	6	0.00	0.0	0	67	69	57	fog
10	77	12:25 PM	58	11:59 PM	68	+12	0	3	0.37	0.0	0	70	70	64	rain
11	58	12:00 AM	54	8:29 AM	56	0	9	0	1.80	0.0	0	67	69	54	rain
12	63	1:43 AM	48	11:56 PM	56	+1	9	0	0.11	0.0	0	66	67	57	rain, fog
13	78	2:24 PM	47	1:02 AM	63	+8	2	0	0.02	0.0	0	62	66	47	rain
14	85	1:18 PM	57	1:51 AM	71	+16	0	6	0.00	0.0	0	66	67	57	
15	73	12:36 AM	48	11:59 PM	61	+7	4	0	0.15	0.0	0	69	69	57	rain
16	65	2:35 PM	39	6:02 AM	52	-2	13	0	0.01	0.0	0	61	65	39	rain
17	70	1:40 PM	39	5:30 AM	55	+1	10	0	0.00	0.0	0	58	63	39	
18	71	1:05 PM	40	6:42 AM	56	+3	9	0	0.00	0.0	0	57	62	40	
19	78	3:04 PM	46	5:53 AM	62	+9	3	0	0.00	0.0	0	59	62	46	
20	79	1:57 PM	49	5:10 AM	64	+12	1	0	0.00	0.0	0	59	62	49	
21	76	1:50 PM	48	5:15 AM	62	+10	3	0	0.00	0.0	0	60	63	48	
22	71	10:31 AM	52	6:15 PM	62	+10	3	0	T	0.0	0	63	64	62	
23	53	11:28 AM	48	11:52 PM	51	0	14	0	1.39	0.0	0	60	62	51	rain
24	48	12:09 AM	40	11:20 PM	44	-7	21	0	0.25	0.0	0	57	60	45	rain
25	52	3:42 PM	35	11:57 PM	44	-7	21	0	0.10	0.0	0	53	57	35	rain
26	64	1:20 PM	33	3:43 AM	49	-1	16	0	0.00	0.0	0	50	55	33	
27	57	12:00 AM	37	11:50 PM	47	-3	18	0	0.00	0.0	0	54	56	39	
28	39	11:42 AM	34	6:22 AM	37	-13	28	0	T	0.0	0	51	54	34	
29	48	2:44 PM	31	7:04 AM	40	-9	25	0	T	T	0	49	53	31	snow flurries, rain
30	51	2:33 PM	32	10:50 PM	42	-6	23	0	0.03	0.0	0	51	53	40	rain
31	42	12:59 PM	30	6:33 AM	36	-12	29	0	0.00	0.0	0	47	51	30	
Avg/Sum	68.0		47.3		57.9		265	45	6.31	0.0	0	61.2	63.7		
Highest	85		66		72		29	7	1.80	0.0	0				
Lowest	39		30		36		0	0	0.00	0.0	0				
Normal	65.2		42.6		53.9		358	14	3.26	0.1					
Departure	2.8		4.7		4.0		-93	31	3.05	-0.1					
Days ≥ 90	0	Days ≤ 32	3												

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

