

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

October 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	71	1:22 PM	58	5:33 AM	65	+5	0	0	0.15	0.0	0	67	68	58	rain, fog
2	71	1:02 PM	54	5:11 AM	63	+4	2	0	0.01	0.0	0	67	68	54	rain, fog
3	73	2:21 PM	55	5:19 AM	64	+5	1	0	0.00	0.0	0	67	68	55	
4	81	1:30 PM	56	1:36 AM	69	+11	0	4	0.00	0.0	0	67	68	56	
5	82	2:05 PM	60	4:18 AM	71	+13	0	6	0.00	0.0	0	68	68	60	
6	85	12:24 PM	62	12:37 AM	74	+16	0	9	0.00	0.0	0	68	69	62	
7	74	11:55 AM	50	11:59 PM	62	+5	3	0	0.00	0.0	0	68	69	57	
8	69	3:21 PM	45	5:50 AM	57	0	8	0	0.00	0.0	0	64	66	45	
9	76	2:21 PM	43	4:50 AM	60	+4	5	0	0.00	0.0	0	61	64	43	
10	79	3:20 PM	45	5:21 AM	62	+6	3	0	0.00	0.0	0	62	64	45	
11	81	2:35 PM	50	4:42 AM	66	+10	0	1	0.00	0.0	0	63	64	50	
12	71	10:50 AM	48	11:31 AM	60	+5	5	0	0.06	0.0	0	64	65	57	thunderstorm
13	61	2:59 PM	41	6:32 AM	51	-4	14	0	0.20	0.0	0	63	64	41	rain
14	71	2:53 PM	41	12:44 AM	56	+1	9	0	0.00	0.0	0	59	62	41	
15	77	2:50 PM	54	12:00 AM	66	+12	0	1	T	0.0	0	62	63	54	rain, fog
16	71	2:17 PM	63	8:01 AM	67	+13	0	2	0.02	0.0	0	64	64	64	rain, fog
17	85	2:21 PM	64	3:41 AM	75	+21	0	10	0.18	0.0	0	65	65	64	rain
18	80	3:41 PM	62	11:50 PM	71	+18	0	6	0.00	0.0	0	67	67	68	
19	68	11:21 PM	52	4:56 AM	60	+7	5	0	0.00	0.0	0	64	66	52	
20	61	2:01 PM	47	11:58 PM	54	+2	11	0	0.71	0.0	0	63	65	54	rain
21	58	2:31 PM	40	6:04 AM	49	-3	16	0	0.14	0.0	0	60	62	40	rain
22	63	2:57 PM	34	5:23 AM	49	-3	16	0	0.00	0.0	0	56	60	34	
23	75	1:57 PM	41	6:07 AM	58	+7	7	0	0.00	0.0	0	56	59	41	
24	63	1:36 PM	42	11:42 PM	53	+2	12	0	0.00	0.0	0	58	60	46	
25	61	1:37 PM	40	5:36 AM	51	0	14	0	0.00	0.0	0	56	59	40	
26	65	11:52 AM	47	6:40 AM	56	+6	9	0	0.09	0.0	0	58	59	47	rain
27	53	12:00 AM	43	11:59 PM	48	-2	17	0	0.32	0.0	0	59	60	47	rain
28	70	1:22 PM	40	5:37 AM	55	+5	10	0	0.00	0.0	0	56	58	40	fog
29	81	1:53 PM	61	3:26 AM	71	+22	0	6	0.00	0.0	0	60	60	61	Record high temp (surpassed 80, 2004)
30	66	12:54 PM	45	11:58 PM	56	+7	9	0	0.00	0.0	0	61	62	55	
31	68	1:59 PM	43	5:43 AM	56	+8	9	0	0.00	0.0	0	58	60	43	
Avg/Sum	71.3		49.2		60.5		185	45	1.88	0.0	0	62.3	63.7		
Highest	85		64		75		17	10	0.71	0.0	0				
Lowest	53		34		48		0	0	0.00	0.0	0				
Normal	65.2		42.6		53.9		358	14	3.26	0.1					
Departure	6.1		6.6		6.6		-173	31	-1.38	-0.1					
Days ≥ 90	0	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

