

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

December 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	53	1:57 PM	28	7:00 AM	41	+7	24	0	0.00	0.0	0	41	45	28	
2	58	2:35 PM	30	6:26 AM	44	+10	21	0	0.00	0.0	0	41	45	30	
3	60	1:05 PM	28	6:37 AM	44	+11	21	0	0.00	0.0	0	41	44	28	
4	64	12:46 PM	47	4:06 AM	56	+23	9	0	0.00	0.0	0	45	46	47	
5	49	12:00 AM	26	10:02 PM	38	+6	27	0	0.07	0.0	0	46	48	32	rain, thunder
6	41	12:13 PM	26	12:26 AM	34	+2	31	0	0.00	0.0	0	39	44	26	
7	30	2:25 PM	17	11:59 PM	24	-7	41	0	T	T	0	38	42	21	snow flurries
8	36	2:18 PM	13	2:37 AM	25	-6	40	0	0.00	0.0	0	35	40	13	
9	32	11:01 AM	19	11:38 PM	26	-5	39	0	T	T	0	35	39	28	snow flurries
10	41	2:19 PM	16	1:36 AM	29	-1	36	0	T	T	0	34	38	16	snow accumulated before melting soon after fa
11	52	2:15 PM	19	2:06 AM	36	+6	29	0	0.00	0.0	0	35	38	19	
12	33	12:24 AM	20	7:10 AM	27	-3	38	0	0.00	0.0	0	36	39	20	
13	44	1:55 PM	21	12:29 AM	33	+4	32	0	0.00	0.0	0	34	38	21	
14	32	2:32 PM	21	11:59 PM	27	-2	38	0	T	0.0	0	36	38	22	rain
15	36	1:38 PM	19	2:14 AM	28	-1	37	0	0.00	0.0	0	34	38	19	
16	53	2:41 PM	29	3:07 AM	41	+12	24	0	0.00	0.0	0	35	38	19	
17	50	2:13 PM	31	12:32 AM	41	+13	24	0	0.00	0.0	0	37	39	31	
18	49	12:19 PM	36	11:56 PM	43	+15	22	0	T	0.0	0	41	41	42	
19	49	1:28 PM	34	7:24 AM	42	+14	23	0	0.00	0.0	0	39	41	34	
20	46	1:39 PM	30	6:54 AM	38	+10	27	0	0.00	0.0	0	38	41	30	
21	47	4:03 PM	27	6:52 AM	37	+10	28	0	0.00	0.0	0	37	41	27	
22	48	2:29 AM	36	11:49 PM	42	+15	23	0	0.01	0.0	0	43	43	39	
23	37	2:06 PM	24	11:44 PM	31	+5	34	0	0.04	0.4	T	41	42	30	first storm 0.4 "
24	24	1:31 AM	17	5:43 PM	21	-6	44	0	0.06	0.9	1	38	41	22	
25	19	12:01 AM	8	6:05 AM	14	-13	51	0	0.12	2.6	4	39	40	8	second storm 3.5"
26	11	12:01 AM	1	8:51 PM	6	-20	59	0	T	T	3	38	40		
27	6	1:24 PM	-4	7:13 AM	1	-25	64	0	0	0.0	2	36	39	-4	
28	17	11:09 PM	1	12:05 AM	9	-17	56	0	0.00	0.0	2	35	38	1	
29	17	2:35 PM	13	7:12 AM	15	-11	50	0	T	T	2	35	41	13	
30	17	2:10 AM	-1	9:04 PM	8	-18	57	0	0.14	1.4	4	36	43	10	
31	3	2:46 PM	-5	11:59 PM	-1	-27	66	0	0.02	0.5	4	36	46	-1	
Avg/Sum	37.2		20.2		29.0		1115	0	0.46	5.8	1	37.9	41.2		
Highest	64		47		56		66	0	0.14	2.6	4				
Lowest	3		-5		-1		9	0	0.00	0.0	0				
Normal	36.7		21.2		29.0		1117	0	2.73	6.6					
Departure	0.5		-1.0		0.1		-2	0	-2.27	-0.8					
Days ≥ 90	0	Days ≤ 32	27												

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

