

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

**December 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	39	1:15 PM	35	1:50 AM	37	+3	28	0	T	0.0	0	45	47	35	rain
2	40	2:03 PM	35	12:37 AM	38	+4	27	0	0.00	0.0	0	44	46	35	
3	38	2:30 PM	30	7:54 PM	34	+1	31	0	0.00	0.0	0	44	46	31	
4	34	9:18 AM	31	1:07 PM	33	0	32	0	T	T	0	43	45	31	snow
5	39	2:29 PM	31	5:28 AM	35	+3	30	0	0.41	1.0	T	42	44	31	measured at end of storm (5pm), rain, ice pellets
6	38	2:34 PM	29	11:04 PM	34	+2	31	0	T	0.0	0	42	44	33	rain
7	36	12:40 PM	23	11:58 PM	30	-1	35	0	0.00	0.0	0	40	43	26	
8	23	12:00 AM	18	6:04 AM	21	-10	44	0	T	T	0	38	41	18	snow flurries
9	27	11:42 AM	20	9:59 PM	24	-7	41	0	T	T	T	37	39	20	snow flurries
10	28	1:29 PM	20	12:28 AM	24	-6	41	0	T	T	0	36	39	20	snow flurries
11	36	11:00 AM	25	12:00 AM	31	+1	34	0	0.06	0.6	1	38	39	25	snow
12	35	12:00 AM	22	7:48 PM	29	-1	36	0	0.16	T	0	38	40	25	snow, rain, fog
13	29	7:17 AM	10	11:26 PM	20	-9	45	0	0.10	1.2	1	37	39	26	snow
14	26	2:49 PM	4	2:47 AM	15	-14	50	0	T	T	1	36	38	4	snow
15	17	1:14 PM	5	7:07 AM	11	-18	54	0	0.00	0.0	1	35	37	5	
16	27	11:59 PM	14	12:23 AM	21	-8	44	0	0.00	0.0	1	34	36	14	
17	31	8:49 AM	17	11:59 PM	24	-4	41	0	0.07	0.0	T	34	36	27	freezing rain, fog, 1/16" ice on ground
18	17	12:00 AM	-2	11:59 PM	8	-20	57	0	0.03	0.2	T	35	36	4	freezing rain, sleet, snow, fog, 1/10" ice on ground
19	20	2:40 PM	-4	6:43 AM	8	-20	57	0	T	T	T	34	36	-4	snow flurries, 1/10" ice on ground
20	34	1:30 PM	10	1:56 AM	22	-6	43	0	0.00	0.0	T	34	35	10	1/10" ice on ground
21	43	2:23 PM	16	6:28 AM	30	+3	35	0	0.00	0.0	T	34	35	16	
22	43	2:31 PM	28	11:45 PM	36	+9	29	0	0.00	0.0	T	34	35	30	
23	36	10:02 PM	27	12:16 AM	32	+5	33	0	0.00	0.0	T	34	36	27	
24	45	1:01 PM	35	11:22 PM	40	+13	25	0	0.03	0.0	0	36	36		rain, fog
25	47	11:59 PM	34	3:25 AM	41	+14	24	0	T	0.0	0	38	39	34	rain, fog
26	58	4:18 AM	32	11:50 PM	45	+19	20	0	0.46	0.0	0	42	41	47	rain, fog
27	39	1:50 PM	25	11:52 PM	32	+6	33	0	0.03	0.0	0	39	41	28	rain
28	45	12:58 PM	24	2:59 AM	35	+9	30	0	0.00	0.0	0	36	39	24	
29	41	1:50 PM	31	7:13 AM	36	+10	29	0	T	0.0	0	37	39	31	
30	38	2:48 PM	25	7:15 AM	32	+6	33	0	0.00	0.0	0	37	38	25	
31	48	1:07 PM	23	11:13 PM	36	+10	29	0	0.00	0.0	0	36	38		
Avg/Sum	35.4		21.7		28.8		1121	0	1.35	3.0	0	37.7	39.5		
Highest	58		35		45		57	0	0.46	1.2	1				
Lowest	17		-4		8		20	0	0.00	0.0	0				
Normal	36.7		21.2		29.0		1117	0	2.73	6.6					
Departure	-1.3		0.5		-0.1		4	0	-1.38	-3.6					
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

