

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

February 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	50	1:56 PM	34	11:16 PM	42	+16	23	0	0.00	0.0	0	38	38	34	
2	57	7:02 PM	32	3:54 AM	45	+19	20	0	T	0.0	0	38	39	32	rain, fog, Record high temp (surpassed 55, 1953)
3	48	12:00 AM	27	11:59 PM	38	+12	27	0	0.41	0.0	0	42	41	34	rain, thunder, fog
4	33	2:53 PM	21	7:44 AM	27	+1	38	0	T	T	0	37	38	21	rain, snow flurries
5	32	2:54 PM	23	11:59 PM	28	+2	37	0	0.00	0.0	0	36	37	23	
6	48	2:30 PM	21	4:42 AM	35	+9	30	0	0.00	0.0	0	36	36	21	fog
7	50	12:52 PM	33	1:27 AM	42	+15	23	0	0.00	0.0	0	37	37	33	
8	35	12:00 AM	18	11:56 PM	27	0	38	0	0.02	0.1	T	38	38	30	rain, snow
9	18	12:08 AM	13	11:59 PM	16	-11	49	0	0.01	0.5	1	36	36	16	snow
10	20	2:50 PM	7	6:58 AM	14	-13	51	0	0.01	0.5	1	36	36	7	snow
11	24	3:24 PM	11	6:45 AM	18	-10	47	0	0.00	0.0	1	35	35	11	
12	27	3:55 PM	12	11:57 PM	20	-8	45	0	T	0.1	T	35	35	19	snow
13	20	3:42 PM	5	6:47 AM	13	-15	52	0	T	T	T	34	35	5	snow
14	20	11:58 PM	14	5:28 AM	17	-12	48	0	0.01	0.4	1	34	34	14	snow
15	30	2:21 PM	20	12:00 AM	25	-4	40	0	0.09	1.4	2	34	34	20	snow, fog
16	38	3:27 PM	18	5:39 AM	28	-1	37	0	0.00	0.0	2	34	34	18	fog
17	35	12:46 PM	27	7:00 AM	31	+2	34	0	T	T	T	34	34	27	snow
18	46	2:39 PM	27	3:06 AM	37	+7	28	0	0.00	0.0	T	34	34	27	fog
19	65	2:33 PM	38	12:03 AM	52	+22	13	0	0.00	0.0	T	35	35	38	
20	71	3:04 PM	36	2:45 AM	54	+23	11	0	0.00	0.0	0	40	38	36	Record high temp (surpassed 66, 1930), damaging wi
21	52	12:46 PM	34	11:57 PM	43	+12	22	0	0.00	0.0	0	42	41	37	
22	47	3:31 PM	31	6:41 AM	39	+8	26	0	0.00	0.0	0	41	41	31	
23	49	1:47 PM	29	6:37 AM	39	+7	26	0	0.00	0.0	0	40	41	29	
24	36	12:00 AM	31	10:02 AM	34	+2	31	0	0.09	0.1	T	40	41	32	rain, freezing rain, snow
25	37	4:12 PM	31	3:40 AM	34	+2	31	0	0.55	3.7	4	39	39	31	snow, snow core = 0.55 inches
26	35	11:56 AM	26	11:38 PM	31	-2	34	0	T	T	1	38	39	26	snow flurries
27	53	3:23 PM	23	6:20 AM	38	+5	27	0	0.00	0.0	T	37	38	23	
28	67	1:52 PM	39	11:57 PM	53	+19	12	0	0.00	0.0	T	40	40	42	Record high temp (surpassed 65, 1895)
29	58	2:44 PM	29	6:24 AM	44	+10	21	0	0.03	0.0	0	42	43	29	rain
Avg/Sum	41.4		24.5		33.2		921	0	1.22	6.8		37.3	37.5		
Highest	71		39		54		52	0	0.55	3.7	4				
Lowest	18		5		13		11	0	0.00	0.0	0				
Normal	37.7		20.2		29.0		1009	0	2.13	5.8					
Departure	3.7		4.3		4.3		-88	0	-0.91	1.0					
Days ≥ 90	0	Days ≤ 32	23												

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 new 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

