

<b>QUALITY CONTROLLED LOCAL CLIMATOLOGICAL DATA</b> <b>(final)</b> <b>NOAA, National Climatic Data Center</b> <b>Month: 11/2012</b>											<b>Station Location: SOUTHERN ILLINOIS AIRPORT (93810)</b> <b>CARBONDALE/MURPHYBORO, IL</b> <b>Lat. 37.779 Lon. -89.249</b> <b>Elevation(Ground): 406 ft. above sea level</b>																			
D a t e	Temperature (Fahrenheit)						Degree Days Base 65 Degrees		Sun		Significant Weather	Snow/Ice on Ground(In)		Precipitation (In)		Pressure(inches)		Wind: Speed=mph Dir=tens of degrees						D a t e						
	Max.	Min.	Avg.	Dep From Normal	Avg. Dew pt.	Avg Wet Bulb	Heating	Cooling	Sunrise LST	Sunset LST		1200	1800	2400	2400	Avg. Station	Avg. Sea Level	Resultant Speed	Res Dir	Avg. Speed	max		max							
												UTC	UTC	LST	LST						Speed	Dir	Speed		Dir					
												Depth	Water Equiv	Snow Fall	Water Equiv					Speed	Dir	Speed	Dir							
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26					
1	62	28	45	M	31	40	20	0	-	-	HZ	0	M	0	0	29.5	29.96	3.2	23	4.3	14	190	12	190	1					
2	59	41	50	M	35	42	15	0	-	-	HZ	0	M	0	0	29.59	30.03	3.7	3	5.4	14	40	10	30	2					
3	63	38	51	M	36	43	14	0	-	-		0	M	0	0	29.62	30.05	4.5	4	7.4	22	350	16	360	3					
4	54	31	43	M	33	38	22	0	-	-	BR	0	M	0	0	29.74	30.2	2.2	34	2.9	18	360	10	10	4					
5	45	38	42	M	37	40	23	0	-	-	RA BR	0	M	0	0.05	29.65	30.12	2.2	9	2.6	13	100	10	90	5					
6	49	35	42	M	39	42	23	0	-	-	RA BR HZ	0	M	0	0.03	29.54	30.01	2.2	24	2.5	12	240	10	230	6					
7	51	34	43	M	38	41	22	0	-	-	RA BR	0	M	0	0.01	29.64	30.07	5.7	33	6.6	25	330	20	340	7					
8	57	29	43	M	34	39	22	0	-	-	BR	0	M	0	0	29.73	30.19	3	18	3.4	16	190	12	200	8					
9	70	37	54	M	44	50	11	0	-	-		0	M	0	0	29.62	30.08	12.9	19	13.4	35	210	26	210	9					
10	72*	54	63*	M	47	54	2	0	-	-		0	M	0	0	29.61	30.07	15.5	19	15.9	36	190	29	200	10					
11	69	50	60	M	50	56	5	0	-	-	RA BR	0	M	0	1.03	29.54	29.99	13.1	18	15.8	39	170	29	180	11					
12	50	28	39	M	27	35	26	0	-	-	RA BR	0	M	0	0.46	29.91	30.33	6.9	30	8.4	30	310	23	310	12					
13	49	24	37	M	26	33	28	0	-	-		0	M	0	0	30.03	30.48	0.8	1	1.2	12	20	8	60	13					
14	48	26	37	M	27	32	28	0	-	-		0	M	0	0	29.96	30.44	1.7	4	2	15	30	9	50	14					
15	51	24	38	M	28	33	27	0	-	-	BR	0	M	0	0	29.91	30.38	0.2	35	0.4	10	300	8	320	15					
16	56	27	42	M	29	35	23	0	-	-	BR	0	M	0	0	29.98	30.44	0.9	4	1.4	10	50	8	50	16					
17	58	25	42	M	30	35	23	0	-	-	BR	0	M	0	0	29.99	30.46	1.1	8	1.4	13	110	9	50	17					
18	63	26	45	M	31	37	20	0	-	-	BR	0	M	0	0	29.91	30.38	1.5	15	1.9	15	120	8	140	18					
19	65	32	49	M	35	42	16	0	-	-		0	M	0	0	29.78	30.25	3.6	19	3.9	16	230	13	230	19					
20	66	44	55	M	44	49	10	0	-	-	BR	0	M	0	0	29.67	30.13	2	28	4.7	14	300	12	340	20					
21	62	36	49	M	42	44	16	0	-	-	FG+ FG BR	0	M	0	0	29.77	30.23	0.4	20	1	6	60	5	160	21					
22	66	32	49	M	43	47	16	0	-	-	TS RA FG BR HZ	0	M	0	0.07	29.64	30.1	10.3	20	11	28	230	23	200	22					
23	56	29	43	M	30	37	22	0	-	-		0	M	0	0.01	29.82	30.24	9.6	31	10.3	30	310	23	300	23					
24	38	23	31	M	21	28	34	0	-	-		0	M	0	0	29.78	30.26	1.6	28	4.5	15	330	12	350	24					
25	56	30	43	M	27	35	22	0	-	-		0	M	0	0	29.55	30.03	8.4	21	8.7	23	200	17	210	25					
26	51	28	40	M	30	35	25	0	-	-	RA	0	M	0	0.03	29.73	30.17	6.6	1	7	24	20	20	360	26					
27	41	21	31*	M	23	28	34	0	-	-		0	M	0	0	29.92	30.37	4.1	34	4.6	18	340	14	350	27					
28	50	20*	35	M	23	29	30	0	-	-	BR	0	M	0	0	29.94	30.41	0.7	16	1	8	260	7	250	28					
29	57	25	41	M	26	36	24	0	-	-		0	M	0	0	29.79	30.27	10.2	19	10.5	31	200	25	190	29					
30	61	39	50	M	37	44	15	0	-	-		0	M	0	0	29.7	30.17	10.2	20	10.3	23	200	17	200	30					
	56.5	31.8	44.2		33.4	39.3	20.6	0	<-----Monthly Averages   Totals----->										M	M	1.69s	29.75	30.21	2.1	21	5.8	<Monthly Average			

\* EXTREME FOR THE MONTH - LAST OCCURENCE IF MORE THAN ONE.

Data Version: VER2

<b>QUALITY CONTROLLED LOCAL CLIMATOLOGICAL DATA</b> <b>(final)</b> <b>NOAA, National Climatic Data Center</b> <b>Month: 12/2012</b>	<b>Station Location: SOUTHERN ILLINOIS AIRPORT (93810)</b> <b>CARBONDALE/MURPHYBORO, IL</b> <b>Lat. 37.779 Lon. -89.249</b> <b>Elevation(Ground): 406 ft. above sea level</b>
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D a t e	Temperature (Fahrenheit)						Degree Days Base 65 Degrees		Sun		Significant Weather	Snow/Ice on Ground(In)		Precipitation (In)		Pressure(inches)		Wind: Speed=mph Dir=tens of degrees						D a t e	
	Max.	Min.	Avg.	Dep From Normal	Avg. Dew pt.	Avg Wet Bulb	Heating	Cooling	Sunrise LST	Sunset LST		1200	1800	2400	2400	Avg. Station	Avg. Sea Level	Resultant Speed	Res Dir	Avg. Speed	max		max		
												UTC	UTC	LST	LST						Speed	Dir	Speed		Dir
												Depth	Water Equiv	Snow Fall	Water Equiv					Speed	Dir	Speed	Dir		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
1	67	48	58	M	47	53	7	0	-	-		0	M	0	0	29.65	30.1	13	18	12.7	31	180	24	190	1
2	65	61	63	M	56	59	2	0	-	-		0	M	0	0	29.61	30.06	13.8	20	13.9	44	190	31	190	2
3	68*	61	65*	M	57	60	0	0	-	-		0	M	0	0	29.58	30.03	15.4	20	15.6	43	190	29	200	3
4	66	35	51	M	49	52	14	0	-	-	RA BR	0	M	0	0.25	29.72	30.14	3.7	27	9.3	32	190	26	190	4
5	58	30	44	M	36	40	21	0	-	-		0	M	0	0	29.82	30.28	2.4	8	3	13	80	10	80	5
6	55	31	43	M	40	43	22	0	-	-	BR	0	M	0	0	29.56	30.04	1.6	14	1.8	12	170	9	170	6
7	63	51	57	M	51	53	8	0	-	-	RA FG+ BR HZ	0	M	0	0.01	29.41	29.88	3.3	21	3.6	17	220	15	240	7
8	54	48	51	M	47	48	14	0	-	-	RA BR	0	M	M	0.01	29.49	29.94	3.8	2	5.7	15	50	12	50	8
9	59	45	52	M	49	51	13	0	-	-	RA BR VCTS	0	M	M	0.98	29.37	29.82	2	33	6.5	26	320	18	320	9
10	45	30	38	M	25	30	27	0	-	-	SN	0	M	0.0s	T	29.53	29.96	11.1	32	11.2	26	310	18	320	10
11	40	21	31	M	22	28	34	0	-	-		0	M	0	0	29.73	30.17	4.3	20	4.6	17	210	13	210	11
12	49	23	36	M	23	30	29	0	-	-		0	M	0	0	29.88	30.33	3	18	3.1	12	180	9	190	12
13	52	22	37	M	24	32	28	0	-	-		0	M	0	0	29.85	30.32	6.2	18	6.4	17	200	14	190	13
14	55	26	41	M	29	37	24	0	-	-		0	M	0	0	29.7	30.19	6.5	18	7	22	210	17	210	14
15	59	47	53	M	48	51	12	0	-	-	RA BR	0	M	M	0.1	29.33	29.82	15.2	19	15.8	37	190	29	190	15
16	58	35	47	M	44	47	18	0	-	-	BR	0	M	0	0	29.28	29.74	3.2	23	3.4	16	230	13	220	16
17	45	40	43	M	41	43	22	0	-	-	FG BR	0	M	M	0.02	29.28	29.71	4.7	32	5.9	18	290	14	290	17
18	55	30	43	M	36	41	22	0	-	-		0	M	0	0	29.38	29.83	8.4	20	9.7	31	210	25	200	18
19	61	32	47	M	38	43	18	0	-	-	HZ	0	M	M	T	29.39	29.88	5.9	11	8.2	30	170	23	170	19
20	62	30	46	M	34	39	19	0	-	-	TS RA SN VCTS	0	M	T	0.33	29.18	29.61	16	25	21.5	51	260	38	250	20
21	41	27	34	M	15	27	31	0	-	-		0	M	0	0	29.75	30.17	12.9	30	13.3	33	290	24	320	21
22	47	19	33	M	18	28	32	0	-	-		0	M	0	0	29.71	30.19	5.5	19	6.1	20	190	15	190	22
23	61	38	50	M	35	43	15	0	-	-		0	M	0	0	29.46	29.94	5	21	5.6	16	200	13	210	23
24	49	26	38	M	30	34	27	0	-	-	BR HZ	0	M	0	T	29.52	29.96	8	33	8.3	22	350	18	330	24
25	36	26	31	M	25	29	34	0	-	-	SN HZ	0	M	M	T	29.58	30.06	12	3	12.5	32	40	24	40	25
26	33	30	32	M	25	29	33	0	-	-	SN FZFG BR UP	M	M	M	0.19	29.53	29.96	15.3	34	16	36	350	26	350	26
27	33	27	30	M	23	28	35	0	-	-		0	M	0	0	29.7	30.15	1.3	10	3.4	14	320	9	110	27
28	38	26	32	M	28	31	33	0	-	-	RA SN FG BR	0	M	M	0.49	29.5	29.98	1.2	4	3.8	22	150	10	320	28
29	32	11	22	M	23	26	43	0	-	-	SN FG+ FZFG BR HZ	0	M	M	0.03	29.74	30.17	7.6	29	8.3	26	270	17	310	29
30	34	8*	21*	M	18	22	44	0	-	-	FG+ FZFG BR HZ	M	M	0	0	29.93	30.4	5.5	19	5.7	20	220	16	200	30
31	36	33	35	M	29	32	30	0	-	-	RA SN FG BR	M	M	M	0.12	29.7	30.19	5.3	20	5.4	21	200	16	210	31

<-----Monthly Averages   Totals----->												M	M	2.53s	29.57	30.03	2.8	23	8.3	<Monthly Average									
* EXTREME FOR THE MONTH - LAST OCCURRENCE IF MORE THAN ONE.																									<b>Data Version: VER2</b>				

<b>QUALITY CONTROLLED LOCAL CLIMATOLOGICAL DATA</b> <b>(final)</b> <b>NOAA, National Climatic Data Center</b> <b>Month: 01/2013</b>	<b>Station Location: SOUTHERN ILLINOIS AIRPORT (93810)</b> <b>CARBONDALE/MURPHYBORO, IL</b> <b>Lat. 37.779 Lon. -89.249</b> <b>Elevation(Ground): 406 ft. above sea level</b>
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Date	Temperature (Fahrenheit)						Degree Days Base 65 Degrees		Sun		Significant Weather	Snow/Ice on Ground(In)		Precipitation (In)		Pressure(inches)		Wind: Speed=mph Dir=tens of degrees						Date	
	Max.	Min.	Avg.	Dep From Normal	Avg. Dew pt.	Avg Wet Bulb	Heating	Cooling	Sunrise LST	Sunset LST		1200 UTC	1800 UTC	2400 LST	2400 LST	Avg. Station	Avg. Sea Level	Resultant Speed	Res Dir	Avg. Speed	max 5-second		max 2-minute		
												Depth	Water Equiv	Snow Fall	Water Equiv	Speed	Dir				Speed	Dir			
	1	2	3	4	5	6	7	8	9	10		11	12	13	14	15	16	17	18	19	20	21	22		23
1	33	20	27	M	22	26	38	0	-	-	FG BR HZ	M	M	0	0	29.75	30.19	8.4	34	8.2	20	340	16	340	1
2	31	11*	21	M	13	19	44	0	-	-	BR	M	M	0	0	29.81	30.27	1	33	1.6	9	30	7	350	2
3	39	13	26	M	18	23	39	0	-	-	BR	0	M	0	0	29.9	30.36	1.2	25	1.8	20	160	10	310	3
4	40	15	28	M	20	25	37	0	-	-	BR	0	M	0	0	29.93	30.41	1.1	21	1.7	12	250	10	270	4
5	41	21	31	M	27	31	34	0	-	-		0	M	0	T	29.8	30.29	7	19	7.4	26	200	14	210	5
6	40	23	32	M	25	30	33	0	-	-	BR HZ	0	M	0	0	29.83	30.28	4.5	28	6.4	24	310	18	310	6
7	43	19	31	M	22	27	34	0	-	-	BR HZ	0	M	0	0	29.86	30.35	3.2	16	3.4	15	170	13	160	7
8	51	22	37	M	28	M	28	0	-	-	BR	0	M	0	0	M	M	3.4	17	3.5	18	150	15	210	8
9	59	40	50	M	41	M	15	0	-	-	RA FG+ FG BR	0	M	0	0.19	29.96	M	1.7	1	3.8	14	20	9	10	9
10	65	45	55	M	48	50	10	0	-	-	RA BR	0	M	0	0.37	29.61	30.12	7.1	12	9.2	36	200	26	200	10
11	63	51	57	M	49	52	8	0	-	-	RA	0	M	0	0.01	29.44	29.92	12.1	20	12.4	31	190	23	190	11
12	64	39	52	M	51	53	13	0	-	-	RA BR VCTS	0	M	0	2.06	29.41	29.86	2.8	31	8.7	37	330	29	320	12
13	39	24	32	M	26	30	33	0	-	-	RA FZRA BR UP HZ	0	M	M	0.6	29.69	30.11	12.4	34	12.8	30	310	22	340	13
14	29	22	26	M	17	23	39	0	-	-		0	M	0	0	29.96	30.41	7.1	36	7.4	17	340	14	360	14
15	31	22	27	M	19	24	38	0	-	-		0	M	0	0	29.78	30.28	5.9	1	6.4	21	10	17	360	15
16	38	27	33	M	21	28	32	0	-	-		0	M	0	0	29.67	30.14	3	27	5.2	20	220	12	310	16
17	43	26	35	M	26	31	30	0	-	-		0	M	0	0	29.88	30.32	6.8	34	7.8	29	310	22	330	17
18	47	21	34	M	25	31	31	0	-	-		0	M	0	0	29.92	30.4	9.5	20	9.8	32	210	24	210	18
19	55	37	46	M	32	40	19	0	-	-		0	M	0	0	29.65	30.13	15.6	20	16	33	190	28	200	19
20	45	26	36	M	20	30	29	0	-	-		0	M	0	0	29.82	30.27	6.5	35	7.3	24	360	16	10	20
21	32	19	26	M	10	22	39	0	-	-		0	M	0	0	29.89	30.34	9.7	33	10	24	310	18	330	21
22	23	16	20*	M	1	16	45	0	-	-		0	M	0	0	29.96	30.43	2.7	1	3.5	23	270	10	360	22
23	45	16	31	M	16	25	34	0	-	-		0	M	0	0	29.8	30.28	2.3	24	4	17	210	13	250	23
24	32	21	27	M	9	22	38	0	-	-		0	M	0	0	29.98	30.45	8.7	6	11.8	25	350	18	50	24
25	43	26	35	M	18	28	30	0	-	-		0	M	0	Ts	29.72	30.19	1.2	24	4.8	16	350	13	300	25
26	41	25	33	M	19	27	32	0	-	-		0	M	0	0	29.88	30.34	2.7	4	3.7	15	360	12	10	26
27	52	25	39	M	33	36	26	0	-	-	RA FZRA BR UP	0	M	0	0.27	29.71	30.2	6.7	15	7.5	30	160	23	170	27
28	65	51	58	M	54	56	7	0	-	-	RA BR	0	M	0	0.09	29.55	30.01	18	20	18.2	39	220	32	210	28
29	70*	53	62*	M	56	59	3	0	-	-	TSRA RA BR	0	M	0	1.53	29.24	29.72	17.3	19	19.3	63	220	46	230	29
30	58	31	45	M	37	42	20	0	-	-	RA	0	M	M	0.28	29.19	29.6	9.2	26	13.5	37	270	25	280	30
31	42	19	31	M	18	27	34	0	-	-	SN	0	M	M	T	29.67	30.07	12.8	28	14	36	290	26	320	31

	45.1	26.6	35.9		26.5	32.2	28.8	0	<----Monthly Averages   Totals---->				M	M	5.41s	29.75	30.2	1.9	24	8.1	<Monthly Average			
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\* EXTREME FOR THE MONTH - LAST OCCURRENCE IF MORE THAN ONE. **Data Version: VER2**

<b>QUALITY CONTROLLED LOCAL CLIMATOLOGICAL DATA</b> <b>(final)</b> <b>NOAA, National Climatic Data Center</b> <b>Month: 02/2013</b>											<b>Station Location: SOUTHERN ILLINOIS AIRPORT (93810)</b> <b>CARBONDALE/MURPHYBORO, IL</b> <b>Lat. 37.779 Lon. -89.249</b> <b>Elevation(Ground): 406 ft. above sea level</b>																			
D a t e	Temperature (Fahrenheit)						Degree Days Base 65 Degrees		Sun		Significant Weather	Snow/Ice on Ground(In)		Precipitation (In)		Pressure(inches)		Wind: Speed=mph Dir=tens of degrees						D a t e						
	Max.	Min.	Avg.	Dep From Normal	Avg. Dew pt.	Avg Wet Bulb	Heating	Cooling	Sunrise LST	Sunset LST		1200	1800	2400	2400	Avg. Station	Avg. Sea Level	Resultant Speed	Res Dir	Avg. Speed	max		max							
												UTC	UTC	LST	LST						Speed	Dir	5-second Speed		Dir	2-minute Speed	Dir			
												Depth	Water Equiv	Snow Fall	Water Equiv															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26					
1	29	13*	21*	M	5	18	44	0	-	-		M	M	0	0	29.96	30.44	4.5	26	7.8	29	330	21	310	1					
2	47	28	38	M	20	30	27	0	-	-		M	M	0	0	29.67	30.15	6.6	24	9.1	26	300	20	310	2					
3	39	26	33	M	23	30	32	0	-	-	SN FG+ FZFG BR	M	M	M	0.03	29.66	30.13	4.2	31	7.6	29	310	23	310	3					
4	49	29	39	M	30	36	26	0	-	-	RA	0	M	M	0.01	29.45	29.93	7.9	21	10.2	30	200	24	210	4					
5	57	26	42	M	30	36	23	0	-	-	BR HZ	0	M	0	0	29.55	30	2.6	25	4.4	24	100	15	260	5					
6	52	26	39	M	29	36	26	0	-	-	BR HZ	0	M	0	0	29.72	30.17	3.9	12	4.9	20	120	10	140	6					
7	67*	29	48	M	39	44	17	0	-	-	RA BR HZ	0	M	0	0.21	29.51	29.97	2.1	25	7	29	330	20	340	7					
8	45	34	40	M	30	35	25	0	-	-	HZ	0	M	0	0	29.84	30.26	9.9	35	11.3	28	340	22	340	8					
9	48	33	41	M	28	35	24	0	-	-	RA	0	M	0	0.05	29.77	30.25	4.9	12	5.7	20	150	15	120	9					
10	58	41	50	M	43	47	15	0	-	-	RA BR	0	M	0	0.41	29.36	29.84	10.5	18	13.2	31	200	25	170	10					
11	54	32	43	M	26	37	22	0	-	-		0	M	0	0	29.63	30.06	9.8	26	10	35	320	23	250	11					
12	49	27	38	M	29	36	27	0	-	-		0	M	0	0	29.59	30.06	1.6	3	2.1	12	60	9	50	12					
13	52	36	44	M	33	38	21	0	-	-	RA BR HZ	0	M	M	0.08	29.44	29.91	3.5	24	6.5	29s	360	15	190	13					
14	61	35	48	M	32	41	17	0	-	-		0	M	0	0	29.51	29.95	5.7	25	7.9	29	290	16	270	14					
15	45	28	37	M	23	33	28	0	-	-		0	M	0	0	29.75	30.19	7.5	33	7.8	25	350	20	340	15					
16	40	25	33	M	15	27	32	0	-	-		0	M	0	0	29.77	30.22	5.9	32	6.8	21	320	16	330	16					
17	51	22	37	M	20	31	28	0	-	-		0	M	0	0	29.67	30.15	6	15	6.5	22	170	17	170	17					
18	59	41	50*	M	39	44	15	0	-	-	RA	0	M	0	0.67	29.39	29.85	16.5	20	19.3	52	190	38	200	18					
19	44	28	36	M	17	30	29	0	-	-		0	M	0	0	29.71	30.13	10.7	30	11.1	33	300	21	290	19					
20	32	24	28	M	14	24	37	0	-	-		0	M	0	0	29.88	30.33	4.5	36	6	14	40	10	40	20					
21	36	25	31	M	23	28	34	0	-	-	FZRA PL BR	0	M	M	0.68	29.54	30.09	8.9	9	9.6	37	80	30	80	21					
22	40	28	34	M	28	33	31	0	-	-	BR	0	M	0	0	29.54	30	6.1	23	6.8	25	230	21	220	22					
23	42	24	33	M	23	29	32	0	-	-	BR	0	M	0	0	29.59	30.04	2.5	35	3	15	350	12	360	23					
24	51	23	37	M	25	33	28	0	-	-	BR HZ	0	M	0	0	29.62	30.1	3.3	9	3.5	M	M	17	50	24					
25	56	35	46	M	29	38	19	0	-	-	RA	0	M	M	0.1	29.36	29.87	11	7	11.3	33	200	22	70	25					
26	52	39	46	M	37	41	19	0	-	-	RA	0	M	M	0.5	29.03	29.47	4.2	20	11.2	29	210	22	230	26					
27	42	34	38	M	29	35	27	0	-	-	SN HZ	0	M	M	0.06	29.38	29.8	11.3	27	11.5	28	260	21	260	27					
28	40	34	37	M	29	33	28	0	-	-	SN BR	0	M	M	T	29.58	30.01	8.3	30	8.2	22	330	16	320	28					
	47.8	29.5	38.7		26.7	34.2	26.2	0	<-----Monthly Averages   Totals----->										M	M	2.81s	29.59	30.05	2	25	8.2	<Monthly Average			

\* EXTREME FOR THE MONTH - LAST OCCURRENCE IF MORE THAN ONE.

Data Version: VER2

<b>QUALITY CONTROLLED LOCAL CLIMATOLOGICAL DATA</b> <b>(final)</b> <b>NOAA, National Climatic Data Center</b> <b>Month: 03/2013</b>	<b>Station Location: SOUTHERN ILLINOIS AIRPORT (93810)</b> <b>CARBONDALE/MURPHYBORO, IL</b> <b>Lat. 37.779 Lon. -89.249</b> <b>Elevation(Ground): 406 ft. above sea level</b>
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D a t e	Temperature (Fahrenheit)						Degree Days Base 65 Degrees		Sun		Significant Weather	Snow/Ice on Ground(In)		Precipitation (In)		Pressure(inches)		Wind: Speed=mph Dir=tens of degrees						D a t e	
	Max.	Min.	Avg.	Dep From Normal	Avg. Dew pt.	Avg Wet Bulb	Heating	Cooling	Sunrise LST	Sunset LST		1200	1800	2400	2400	Avg. Station	Avg. Sea Level	Resultant Speed	Res Dir	Avg. Speed	max		max		
												UTC	UTC	LST	LST						Speed	Dir	5-second		2-minute
												Depth	Water Equiv	Snow Fall	Water Equiv			Speed	Dir	Speed	Dir				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
1	38	33	36	M	30	33	29	0	-	-	SN BR HZ	0	M	M	0.09	29.65	30.11	8.4	32	8.2	20	330	15	340	1
2	36	29	33	M	22	29	32	0	-	-	SN	0	M	M	T	29.75	30.2	10.7	33	10.9	22	320	18	330	2
3	42	24	33	M	19	30	32	0	-	-		0	M	0	0	29.68	30.15	0.7	24	3.2	16	210	9	230	3
4	55	38	47	M	29	39	18	0	-	-		0	M	M	T	29.42	29.91	9.5	13	10	30	130	22	140	4
5	49	35	42	M	29	36	23	0	-	-	RA SN	0	M	M	0.11	29.5	29.93	11.7	30	12.3	41	290	29	290	5
6	40	28	34	M	24	32	31	0	-	-		0	M	0	0	29.85	30.28	11.8	32	12.3	33	320	23	330	6
7	46	25	36	M	26	32	29	0	-	-	BR HZ	0	M	0	0	29.93	30.37	3.1	8	3.6	20	200	10	90	7
8	55	27	41	M	29	36	24	0	-	-	BR HZ	0	M	0	0	29.88	30.36	5.6	10	5.9	20	340	15	110	8
9	69	41	55	M	32	44	10	0	-	-		0	M	M	T	29.57	30.06	10.3	15	11.2	31	170	24	180	9
10	66	51	59*	M	45	51	6	0	-	-	RA BR	0	M	0	0.48	29.31	29.79	13.2	17	14.4	43	180	31	180	10
11	52	37	45	M	32	39	20	0	-	-	HZ	0	M	0	0.01	29.44	29.86	8.7	27	8.8	23	260	18	270	11
12	55	31	43	M	25	36	22	0	-	-		0	M	0	0	29.67	30.1	7.9	29	8.4	29	310	21	310	12
13	46	27	37	M	20	32	28	0	-	-		0	M	M	T	29.91	30.35	9.6	32	9.9	31	310	22	330	13
14	49	24	37	M	25	33	28	0	-	-	RA	0	M	M	T	29.8	30.28	5.2	16	5.9	21	180	17	180	14
15	74*	30	52	M	39	47	13	0	-	-		0	M	0	0	29.41	29.91	5.4	20	5.7	30	210	23	210	15
16	66	37	52	M	40	45	13	0	-	-	RA BR HZ	0	M	M	0.1	29.47	29.89	4.5	33	11.9	26	220	21	350	16
17	41	34	38	M	36	38	27	0	-	-	TSRA RA BR VCTS	0	M	M	2.5	29.46	29.95	8.1	5	9.4	28	100	22	110	17
18	49	37	43	M	37	40	22	0	-	-	RA BR	0	M	M	0.27	29.39	29.82	5.7	29	7	24	310	17	290	18
19	49	28	39	M	22	33	26	0	-	-		0	M	0	0	29.73	30.16	4.9	30	5.7	28	220	15	310	19
20	40	25	33	M	21	30	32	0	-	-	SN	0	M	M	T	29.72	30.17	8.2	33	8.8	29	310	21	340	20
21	40	23	32*	M	16	27	33	0	-	-		0	M	0	0	29.61	30.08	2.9	36	5.9	17	100	13	90	21
22	45	34	40	M	22	33	25	0	-	-		0	M	0	0	29.57	30.03	5	8	5.6	28s	90	12	120	22
23	57	41	49	M	29	40	16	0	-	-	RA	0	M	M	0.03	29.46	29.92	6.7	6	6.9	20	140	15	70	23
24	47	34	41	M	32	35	24	0	-	-	RA SN BR HZ VCTS	0	M	M	0.31	29.2	29.64	6.8	33	12.2	36	300	24	290	24
25	40	33	37	M	28	33	28	0	-	-	SN HZ	0	M	M	T	29.58	30	11.5	30	11.8	32	290	21	300	25
26	44	29	37	M	25	32	28	0	-	-		0	M	0	0	29.85	30.28	7.4	31	7.6	22	310	17	340	26
27	52	23*	38	M	26	34	27	0	-	-		0	M	0	0	29.9	30.36	0.2	7	2.5	25	320	14	220	27
28	61	41	51	M	31	41	14	0	-	-		0	M	M	T	29.85	30.32	5.1	11	5.7	M	M	17	90	28
29	61	46	54	M	42	48	11	0	-	-	RA HZ	0	M	M	0.14	29.77	30.23	3.1	12	3.6	M	M	15	140	29
30	61	46	54	M	43	48	11	0	-	-	RA BR HZ	0	M	M	0.4	29.59	30.08	3	15	3.7	M	M	13	150	30
31	68	48	58	M	45	50	7	0	-	-	BR	0	M	0	0	29.44	29.91	2.5	27	3.9	18	350	14	230	31
	51.4	33.5	42.5		29.7	37.3	22.2	0	<-----Monthly Averages   Totals----->			M	M	4.44s	29.62	30.11	1.8	32	7.8	<Monthly Average					

\* EXTREME FOR THE MONTH - LAST OCCURRENCE IF MORE THAN ONE. Data Version: VER2

<b>QUALITY CONTROLLED LOCAL CLIMATOLOGICAL DATA</b> <b>(final)</b> <b>NOAA, National Climatic Data Center</b> <b>Month: 04/2013</b>											<b>Station Location: SOUTHERN ILLINOIS AIRPORT (93810)</b> <b>CARBONDALE/MURPHYBORO, IL</b> <b>Lat. 37.779 Lon. -89.249</b> <b>Elevation(Ground): 406 ft. above sea level</b>																			
D a t e	Temperature (Fahrenheit)						Degree Days Base 65 Degrees		Sun		Significant Weather	Snow/Ice on Ground(In)		Precipitation (In)		Pressure(inches)		Wind: Speed=mph Dir=tens of degrees						D a t e						
	Max.	Min.	Avg.	Dep From Normal	Avg. Dew pt.	Avg Wet Bulb	Heating	Cooling	Sunrise LST	Sunset LST		1200	1800	2400	2400	Avg. Station	Avg. Sea Level	Resultant Speed	Res Dir	Avg. Speed	max		max							
												UTC	UTC	LST	LST						Speed	Dir	5-second		2-minute					
												Depth	Water Equiv	Snow Fall	Water Equiv			Speed	Dir	Speed	Dir									
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26					
1	52	34	43	M	27	37	22	0	-	-		0	M	0	0	29.72	30.15	9.1	35	9.2	31	360	21	10	1					
2	48	29	39	M	21	33	26	0	-	-		0	M	0	0	29.85	30.29	3.2	1	3.9	58s	150	13	70	2					
3	52	26*	39*	M	24	35	26	0	-	-		0	M	0	0	29.83	30.3	4.6	7	6.2	22	80	17	80	3					
4	60	34	47	M	26	38	18	0	-	-		0	M	0	0	29.63	30.1	4.3	4	4.9	25	270	13	40	4					
5	67	30	49	M	34	43	16	0	-	-		0	M	0	0	29.65	30.11	2.6	35	4.9	31	180	15	340	5					
6	72	46	59	M	38	49	6	0	-	-		0	M	0	0	29.49	29.95	14.1	19	15.1	44	200	33	210	6					
7	76	59	68	M	51	57	0	3	-	-		0	M	0	0	29.46	29.91	11.8	20	12.4	31	210	24	210	7					
8	75	58	67	M	54	59	0	2	-	-		0	M	0	T	29.42	29.86	13.5	19	14.3	44	170	28	180	8					
9	81	61	71	M	59	64	0	6	-	-		0	M	0	0	29.44	29.89	13.6	18	14.3	37	200	28	200	9					
10	82	65	74*	M	63	67	0	9	-	-	RA BR VCTS	0	M	0	0.67	29.33	29.79	15.5	19	16.4	37	210	30	200	10					
11	66	37	52	M	46	49	13	0	-	-	RA BR	0	M	M	0.18	29.26	29.7	5	28	8.8	45	160	31	160	11					
12	56	34	45	M	33	40	20	0	-	-		0	M	0	0	29.47	29.88	6.5	29	8.8	32	220	18	250	12					
13	64	31	48	M	36	43	17	0	-	-		0	M	0	0	29.55	30.01	2.7	19	5.2	22	250	13	250	13					
14	76	43	60	M	45	52	5	0	-	-		0	M	0	0	29.36	29.81	12.4	17	13.4	36	160	29	190	14					
15	76	57	67	M	56	60	0	2	-	-		0	M	0	0	29.41	29.85	10.3	18	10.7	28	260	20	170	15					
16	68	53	61	M	52	55	4	0	-	-	RA BR	0	M	0	T	29.62	30.04	4.5	34	7.9	23	60	18	330	16					
17	83*	53	68	M	61	64	0	3	-	-	BR HZ	0	M	0	T	29.47	29.94	8.4	17	10.3	37	190	29	200	17					
18	76	42	59	M	56	59	6	0	-	-	TSRA RA BR	0	M	0	2.16	29.26	29.71	15	21	20.7	48	170	37	190	18					
19	53	34	44	M	30	39	21	0	-	-		0	M	0	0	29.52	29.94	10.3	27	11.1	29	250	23	250	19					
20	58	30	44	M	32	40	21	0	-	-		0	M	0	0	29.82	30.24	2.6	2	4.6	28	300	13	360	20					
21	64	38	51	M	34	43	14	0	-	-		0	M	0	0	29.88	30.33	5.9	9	6.2	24	90	13	70	21					
22	72	37	55	M	42	50	10	0	-	-	BR	0	M	0	0	29.67	30.15	4.6	17	4.9	28	210	18	190	22					
23	70	43	57	M	50	53	8	0	-	-	RA	0	M	M	0.04	29.49	29.95	7.1	20	12	40	190	28	200	23					
24	52	36	44	M	36	40	21	0	-	-	RA BR	0	M	0	0.51	29.72	30.16	6.4	32	8.2	25	330	20	310	24					
25	63	32	48	M	37	44	17	0	-	-		0	M	0	0	29.86	30.31	1.4	30	6.3	21	330	16	330	25					
26	55	44	50	M	44	47	15	0	-	-	RA BR	0	M	0	0.13	29.88	30.35	4.3	16	5.4	24	210	16	140	26					
27	57	50	54	M	51	52	11	0	-	-	RA BR	0	M	0	0.24	29.59	30.08	4	10	4.7	26s	130	15	90	27					
28	60	51	56	M	52	53	9	0	-	-	BR	0	M	0	0	29.49	29.95	3.4	27	4	59	160	23	240	28					
29	74	44	59	M	53	56	6	0	-	-	FG+ FG BR	0	M	0	0	29.47	29.92	6.4	18	7.3	21s	170	16	190	29					
30	82	55	69	M	55	60	0	4	-	-		0	M	0	0	29.49	29.92	6.6	18	7.2	29	150	17	180	30					
	66.3	42.9	54.6		43.3	49.4	11.1	1	<-----Monthly Averages   Totals----->										M	M	3.93s	29.57	30.01	3.7	20	9	<Monthly Average			

\* EXTREME FOR THE MONTH - LAST OCCURRENCE IF MORE THAN ONE.

Data Version: VER2

<b>QUALITY CONTROLLED LOCAL CLIMATOLOGICAL DATA</b> <b>(final)</b> <b>NOAA, National Climatic Data Center</b> <b>Month: 05/2013</b>	<b>Station Location: SOUTHERN ILLINOIS AIRPORT (93810)</b> <b>CARBONDALE/MURPHYBORO, IL</b> <b>Lat. 37.779 Lon. -89.249</b> <b>Elevation(Ground): 406 ft. above sea level</b>
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D a t e	Temperature (Fahrenheit)						Degree Days Base 65 Degrees		Sun		Significant Weather	Snow/Ice on Ground(In)		Precipitation (In)		Pressure(inches)		Wind: Speed=mph Dir=tens of degrees						D a t e							
	Max.	Min.	Avg.	Dep From Normal	Avg. Dew pt.	Avg Wet Bulb	Heating	Cooling	Sunrise LST	Sunset LST		1200 UTC	1800 UTC	2400 LST	2400 LST	Avg. Station	Avg. Sea Level	Resultant Speed	Res Dir	Avg. Speed	max		max								
																					5-second		2-minute								
												Depth	Water Equiv	Snow Fall	Water Equiv			Speed	Dir	Speed	Dir										
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26						
1	81	51	66	M	58	62	0	1	-	-	BR	0	M	0	0	29.62	30.06	2.9	14	3.4	59	150	14	200	1						
2	79	53	66	M	56	59	0	1	-	-	RA FG+ FG BR	0	M	0	0.17	29.63	30.08	2.1	24	5.6	63s	160	15	310	2						
3	53	42	48	M	45	46	17	0	-	-	RA BR	0	M	0	1.1	29.44	29.91	4.6	30	6.6	25	220	13	240	3						
4	53	41	47*	M	39	43	18	0	-	-	RA BR	0	M	0	0.06	29.49	29.95	3.9	19	4.5	45s	160	12	180	4						
5	60	43	52	M	50	51	13	0	-	-	RA BR	0	M	0	0.73	29.44	29.89	2.7	34	4.2	41s	140	12	300	5						
6	63	51	57	M	53	55	8	0	-	-	RA BR	0	M	0	0.02	29.47	29.92	6.2	36	6.5	26	220	15	10	6						
7	76	50	63	M	55	58	2	0	-	-	FG+ FG BR	0	M	0	0	29.54	29.98	1.8	2	3	12	330	9	20	7						
8	81	50	66	M	55	60	0	1	-	-	RA BR	0	M	0	0.02	29.56	30.01	0.4	28	1	10	340	7	320	8						
9	80	59	70	M	59	63	0	5	-	-	RA	0	M	0	0.03	29.49	29.94	10.7	20	10.9	38	180	30	200	9						
10	77	58	68	M	60	62	0	3	-	-	RA BR	0	M	0	0.12	29.46	29.9	5.1	32	7.9	26	340	18	340	10						
11	73	46	60	M	47	53	5	0	-	-	RA	0	M	M	T	29.59	30.02	8.8	33	9.2	30	350	22	340	11						
12	63	40	52	M	35	45	13	0	-	-		0	M	0	0	29.73	30.18	4.9	31	5.6	21	340	16	340	12						
13	71	36*	54	M	39	48	11	0	-	-		0	M	0	0	29.7	30.17	1.9	18	3.3	20	270	12	200	13						
14	86	52	69	M	55	62	0	4	-	-		0	M	0	0	29.49	29.94	11.5	20	11.9	25	220	20	200	14						
15	85	66	76	M	59	65	0	11	-	-		0	M	0	0	29.49	29.93	11	21	11.5	26	210	21	210	15						
16	81	62	72	M	61	65	0	7	-	-	TS	0	M	0	0.18	29.49	29.93	4.6	22	5.3	21	190	15	190	16						
17	75	59	67	M	63	65	0	2	-	-	RA BR	0	M	0	0.05	29.51	29.95	5.1	14	5.4	20	170	15	150	17						
18	82	57	70	M	64	66	0	5	-	-	FG+ BR	0	M	0	0	29.51	29.95	1.8	12	2	13	80	8	120	18						
19	88*	66	77	M	68	71	0	12	-	-	BR HZ	0	M	0	0	29.41	29.86	8.4	18	9.2	24	180	18	160	19						
20	86	71	79*	M	68	71	0	14	-	-		0	M	0	0	29.41	29.85	10.8	19	12.1	32	320	22	210	20						
21	80	63	72	M	64	66	0	7	-	-	TS TSRA RA BR	0	M	0	0.91	29.35	29.8	8.2	19	10.6	31	220	24	190	21						
22	78	62	70	M	60	63	0	5	-	-	RA	0	M	0	T	29.36	29.79	8.9	22	10	26	220	22	230	22						
23	69	53	61	M	54	57	4	0	-	-		0	M	0	0	29.64	30.03	5.9	33	8.7	26	360	22	360	23						
24	70	43	57	M	43	50	8	0	-	-		0	M	0	0	29.86	30.31	2.9	4	3.8	23	40	15	40	24						
25	75	42	59	M	49	55	6	0	-	-	BR	0	M	0	0	29.8	30.25	3.2	13	3.7	17	110	13	180	25						
26	82	56	69	M	57	62	0	4	-	-		0	M	0	0	29.67	30.13	5.4	15	6.4	18	210	14	190	26						
27	85	59	72	M	61	65	0	7	-	-	TSRA	0	M	0	0.01	29.52	29.97	9	19	10.9	35	330	26	330	27						
28	87	68	78	M	63	68	0	13	-	-		0	M	0	0	29.49	29.92	14.2	19	14.6	39	200	28	200	28						
29	86	61	74	M	63	68	0	9	-	-		0	M	0	0	29.52	29.95	10.4	18	11.1	29	190	23	180	29						
30	84	70	77	M	67	70	0	12	-	-	TS RA VCTS	0	M	0	0.23	29.48	29.92	12.4	17	12.6	35	180	28	180	30						
31	82	66	74	M	68	71	0	9	-	-	TSRA RA BR	0	M	0	0.46	29.44	29.88	9.7	18	10.7	31	190	24	190	31						
	76.5	54.7	65.6		56.1	60.2	3.4	4.3	<----Monthly Averages   Totals---->											M	M	4.09s	29.54	29.98	3.7	20	7.5	<Monthly Average			

\* EXTREME FOR THE MONTH - LAST OCCURRENCE IF MORE THAN ONE. Data Version: VER2

<b>QUALITY CONTROLLED LOCAL CLIMATOLOGICAL DATA</b> <b>(final)</b> <b>NOAA, National Climatic Data Center</b> <b>Month: 06/2013</b>	<b>Station Location: SOUTHERN ILLINOIS AIRPORT (93810)</b> <b>CARBONDALE/MURPHYBORO, IL</b> <b>Lat. 37.779 Lon. -89.249</b> <b>Elevation(Ground): 406 ft. above sea level</b>
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D a t e	Temperature (Fahrenheit)						Degree Days Base 65 Degrees		Sun		Significant Weather	Snow/Ice on Ground(In)		Precipitation (In)		Pressure(inches)		Wind: Speed=mph Dir=tens of degrees						D a t e		
	Max.	Min.	Avg.	Dep From Normal	Avg. Dew pt.	Avg Wet Bulb	Heating	Cooling	Sunrise LST	Sunset LST		1200	1800	2400	2400	Avg. Station	Avg. Sea Level	Resultant Speed	Res Dir	Avg. Speed	max		max			
												UTC	UTC	LST	LST						5-second		2-minute			
												Depth	Water Equiv	Snow Fall	Water Equiv						Speed	Dir	Speed		Dir	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	
1	75	64	70	M	64	65	0	5	-	-	TSRA RA BR VCTS	0	M	0	1.66	29.41	29.86	8.3	18	9.9	40	310	31	300	1	
2	73	59	66	M	59	62	0	1	-	-		0	M	0	0.01s	29.52	29.96	5	32	6.4	17	350	13	360	2	
3	72	54	63*	M	54	58	2	0	-	-		0	M	0	0	29.59	30.03	3.7	1	4.3	14	330	10	340	3	
4	78	50*	64	M	57	60	1	0	-	-	BR	0	M	0	0	29.57	30.03	1.5	6	2.3	16	60	10	40	4	
5	83	58	71	M	61	65	0	6	-	-	RA FG+ BR HZ	0	M	0	0.01	29.46	29.91	1.3	36	2	17	40	7	20	5	
6	82	66	74	M	61	66	0	9	-	-	RA BR	0	M	0	T	29.38	29.82	5.8	32	6.3	17	340	14	340	6	
7	79	59	69	M	59	63	0	4	-	-	BR	0	M	0	0	29.42	29.85	7.7	33	7.9	21	360	15	320	7	
8	81	54	68	M	57	62	0	3	-	-	BR	0	M	0	0	29.51	29.94	2.4	22	4.2	18	210	13	200	8	
9	80	60	70	M	61	64	0	5	-	-	RA FG BR	M	M	0	0.05	29.43	29.89	3.9	17	5.8	21	160	16	160	9	
10	82	61	72	M	63	66	0	7	-	-	RA FG BR	0	M	0	0.05	29.44	29.86	2.8	26	4.8	21	280	15	290	10	
11	92	56	74	M	68	71	0	9	-	-	FG+ FG	0	M	0	0	29.49	29.93	5.1	19	5.4	21	230	16	190	11	
12	93	72	83	M	70	74	0	18	-	-		0	M	0	0	29.42	29.87	12.9	22	13	35	220	25	230	12	
13	84	63	74	M	64	68	0	9	-	-		0	M	0	0	29.48	29.9	6	31	9	31	340	22	320	13	
14	84	56	70	M	59	64	0	5	-	-	BR	0	M	0	0	29.59	30.02	1.2	1	2.9	20	10	13	350	14	
15	87	61	74	M	63	68	0	9	-	-		0	M	0	0	29.59	30.01	3.9	21	5.8	21	190	17	190	15	
16	86	69	78	M	68	71	0	13	-	-	BR	0	M	0	T	29.52	29.97	1.7	18	4.4	18	240	13	330	16	
17	87	65	76	M	67	69	0	11	-	-	TS RA FG BR	0	M	0	0.35	29.49	29.92	0.6	18	4.9	28	270	21	350	17	
18	87	61	74	M	65	68	0	9	-	-	BR	0	M	0	0	29.5	29.93	2.9	29	4.2	16	60	12	70	18	
19	88	63	76	M	64	68	0	11	-	-	BR	0	M	0	0	29.58	30.01	1.2	6	2.2	15	40	10	50	19	
20	91	65	78	M	67	71	0	13	-	-	FG+ BR	0	M	0	0	29.65	30.08	3.6	15	4.6	16	140	10	120	20	
21	92	71	82	M	68	72	0	17	-	-		0	M	0	0	29.65	30.09	6.9	19	7.6	23	200	17	200	21	
22	92	66	79	M	67	70	0	14	-	-	RA BR	0	M	0	0.22	29.65	30.08	5.2	19	8.4	32	330	23	350	22	
23	89	66	78	M	67	70	0	13	-	-	RA HZ	0	M	0	0.12	29.61	30.05	3.7	19	7	38	310	28	330	23	
24	91	68	80	M	70	73	0	15	-	-		0	M	0	0	29.59	30.04	5.8	18	6.9	18	130	15	130	24	
25	93	75	84	M	71	75	0	19	-	-		0	M	0	0	29.5	29.95	9.5	21	10.1	24	220	20	210	25	
26	90	72	81	M	72	74	0	16	-	-	TS TSRA RA BR VCTS	0	M	0	1.24	29.38	29.83	9.2	21	11.3	36	310	28	230	26	
27	94*	73	84*	M	70	74	0	19	-	-	BR	0	M	0	0	29.4	29.84	5.1	30	6.2	22	310	15	320	27	
28	90	69	80	M	64	70	0	15	-	-		0	M	0	0	29.3	29.75	6.4	30	7.1	26	320	20	320	28	
29	84	64	74	M	61	66	0	9	-	-	TSRA RA	0	M	0	0.07	29.26	29.68	7.6	28	8	36	330	26	340	29	
30	79	64	72	M	63	65	0	7	-	-	RA BR	0	M	0	0.23	29.37	29.79	7.4	34	7.7	28	360	22	350	30	
	85.3	63.5	74.4		64.1	67.7	0.1	9.7	Averages   Totals----->				M	M	4.05s	29.49	29.93	2.3	24	6.4	Monthly Average					
	M	M	M	<-----Departure From Normal----->											M											

\* EXTREME FOR THE MONTH - LAST OCCURRENCE IF MORE THAN ONE.

Data Version: VER2



<b>QUALITY CONTROLLED LOCAL CLIMATOLOGICAL DATA</b> <b>(final)</b> <b>NOAA, National Climatic Data Center</b> <b>Month: 07/2013</b>	<b>Station Location: SOUTHERN ILLINOIS AIRPORT (93810)</b> <b>CARBONDALE/MURPHYBORO, IL</b> <b>Lat. 37.779 Lon. -89.249</b> <b>Elevation(Ground): 406 ft. above sea level</b>
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D a t e	Temperature (Fahrenheit)						Degree Days Base 65 Degrees		Sun		Significant Weather	Snow/Ice on Ground(In)		Precipitation (In)		Pressure(inches)		Wind: Speed=mph Dir=tens of degrees						D a t e		
	Max.	Min.	Avg.	Dep From Normal	Avg. Dew pt.	Avg Wet Bulb	Heating	Cooling	Sunrise LST	Sunset LST		1200	1800	2400	2400	Avg. Station	Avg. Sea Level	Resultant Speed	Res Dir	Avg. Speed	max		max			
												UTC	UTC	LST	LST						5-second	2-minute				
												Depth	Water Equiv	Snow Fall	Water Equiv			Speed	Dir	Speed	Dir					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	
1	72	63	68	M	63	65	0	3	-	-	RA BR	0	M	0	0.52	29.46	29.9	8.4	34	8	22	340	17	350	1	
2	68	63	66	M	63	64	0	1	-	-	RA BR	0	M	0	0.64	29.52	29.95	5.6	32	7.3	20	310	15	300	2	
3	81	60	71	M	61	64	0	6	-	-	RA BR	0	M	0	T	29.62	30.06	1	24	2.6	M	M	M	M	3	
4	84	57	71	M	63	66	0	6	-	-	BR	0	M	0	0	29.61	30.05	2	10	3.3	15	90	12	90	4	
5	81	62	72	M	66	68	0	7	-	-	FG+ BR	0	M	0	0	29.6	30.05	2.6	11	3.1	15	340	12	100	5	
6	85	65	75	M	66	69	0	10	-	-		M	M	0	T	29.59	30.03	4.1	16	6.2	25	30	20	150	6	
7	88	61	75	M	67	70	0	10	-	-	BR	M	M	0	0	29.61	30.05	4.4	20	4.7	16s	M	12	220	7	
8	89	69	79	M	70	73	0	14	-	-		M	M	0	0	29.64	30.07	4.6	20	5	16	240	13	220	8	
9	92	75	84*	M	73	76	0	19	-	-		0	M	0	0	29.57	30.02	7.5	20	7.6	18	220	14	220	9	
10	86	73	80	M	72	74	0	15	-	-	RA BR	0	M	0	T	29.5	29.95	3.7	24	5.1	17	250	13	280	10	
11	85	62	74	M	62	67	0	9	-	-	BR	0	M	0	0.01s	29.57	30	6.2	1	6.8	17	10	14	10	11	
12	85	61	73	M	60	65	0	8	-	-		0	M	0	0	29.62	30.05	3.2	5	4.7	23	40	13	90	12	
13	86	58	72	M	60	65	0	7	-	-	FG+ FG BR	0	M	0	0	29.6	30.04	3.7	5	4.3	18	220	12	90	13	
14	89	62	76	M	67	70	0	11	-	-	RA BR	0	M	0	0.03	29.67	30.1	2.8	11	4.4	23	100	16	120	14	
15	87	69	78	M	71	73	0	13	-	-	RA FG BR	0	M	0	T	29.76	30.19	4	14	4.6	20	190	15	190	15	
16	91	68	80	M	71	74	0	15	-	-	FG+ BR	0	M	0	0	29.83	30.26	1.9	11	2.5	13	90	10	90	16	
17	94	69	82	M	71	74	0	17	-	-	BR	0	M	0	0	29.81	30.25	1	35	1.5	12	20	8	340	17	
18	94*	71	83	M	73	76	0	18	-	-	FG+ BR HZ	0	M	0	0	29.66	30.11	1.9	17	2.8	13	180	10	190	18	
19	90	70	80	M	70	74	0	15	-	-	BR	0	M	0	0	29.53	29.98	6	20	6.3	18	210	15	210	19	
20	92	70	81	M	71	73	0	16	-	-	TSRA RA BR VCTS	0	M	0	1.11	29.47	29.9	5.1	20	6.8	23	50	16	40	20	
21	86	70	78	M	70	72	0	13	-	-	RA BR	0	M	0	0.13	29.46	29.9	1.2	20	2.6	47	270	13	240	21	
22	88	70	79	M	72	73	0	14	-	-		0	M	0	0.01	29.4	29.84	3.6	24	4.9	16	170	13	230	22	
23	90	70	80	M	71	74	0	15	-	-	VCTS	0	M	0	0	29.39	29.83	4.8	23	6	40	260	32	250	23	
24	81	62	72	M	60	65	0	7	-	-		0	M	0	0	29.53	29.95	5.3	1	6.1	23	340	13	360	24	
25	81	57	69	M	58	62	0	4	-	-		0	M	0	0	29.64	30.06	3.3	1	3.5	17	350	13	350	25	
26	77	57	67	M	63	65	0	2	-	-	RA FG BR	0	M	0	0.06	29.58	30.03	2.4	22	2.6	14	240	10	250	26	
27	79	56	68	M	59	63	0	3	-	-	RA BR	0	M	0	0.07	29.52	29.97	5.5	31	7.6	M	M	18	290	27	
28	78	51*	65*	M	56	60	0	0	-	-	FG BR	0	M	0	0	29.6	30.04	3.9	22	4.6	18	220	13	220	28	
29	77	58	68	M	62	64	0	3	-	-		0	M	0	0	29.7	30.13	2.6	18	3.5	13	100	9	190	29	
30	73	66	70	M	66	67	0	5	-	-	RA BR	0	M	0	0.98	29.62	30.07	5.2	14	5.4	18	140	14	150	30	
31	86	69	78	M	69	71	0	13	-	-	RA FG BR	0	M	0	T	29.55	30.01	3.5	35	3.6	16	350	13	350	31	
	84.4	64.3	74.4												3.59s	29.59										

\* EXTREME FOR THE MONTH - LAST OCCURRENCE IF MORE THAN ONE.

<b>QUALITY CONTROLLED LOCAL CLIMATOLOGICAL DATA</b> <b>(final)</b> <b>NOAA, National Climatic Data Center</b> <b>Month: 08/2013</b>	<b>Station Location: SOUTHERN ILLINOIS AIRPORT (93810)</b> <b>CARBONDALE/MURPHYBORO, IL</b> <b>Lat. 37.779 Lon. -89.249</b> <b>Elevation(Ground): 406 ft. above sea level</b>
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D a t e	Temperature (Fahrenheit)						Degree Days Base 65 Degrees		Sun		Significant Weather	Snow/Ice on Ground(In)		Precipitation (In)		Pressure(inches)		Wind: Speed=mph Dir=tens of degrees						D a t e	
	Max.	Min.	Avg.	Dep From Normal	Avg. Dew pt.	Avg Wet Bulb	Heating	Cooling	Sunrise LST	Sunset LST		1200	1800	2400	2400	Avg. Station	Avg. Sea Level	Resultant Speed	Res Dir	Avg. Speed	max		max		
												UTC	UTC	LST	LST						5-second		2-minute		
												Depth	Water Equiv	Snow Fall	Water Equiv						Speed	Dir	Speed		Dir
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
1	86	64	75	M	64	68	0	10	-	-	BR	0	M	0	0	29.59	30.03	3.2	34	3.8	24	340	12	350	1
2	84	60	72	M	66	69	0	7	-	-	BR	0	M	0	0.05	29.54	29.98	4.5	19	4.9	23	180	14	200	2
3	86	67	77	M	70	71	0	12	-	-	TSRA RA BR HZ VCTS	0	M	0	0.17	29.58	30.01	2.2	34	3	21	70	9	340	3
4	81	62	72	M	63	66	0	7	-	-	BR	0	M	0	0	29.67	30.11	1.9	6	2.3	12	70	9	60	4
5	71	61	66	M	64	65	0	1	-	-	RA BR	0	M	0	0.52	29.55	30.01	4.2	16	4.5	17	180	14	190	5
6	82	69	76	M	70	71	0	11	-	-	BR	0	M	0	T	29.46	29.91	3.2	18	3.8	16	200	14	200	6
7	84	68	76	M	70	71	0	11	-	-	RA FG BR VCTS	0	M	0	0.09	29.45	29.89	2.8	20	4.4	20	170	16	170	7
8	83	66	75	M	71	72	0	10	-	-	RA FG+ FG BR	0	M	0	0.98	29.47	29.92	1.4	22	2.6	32	280	23	280	8
9	80	69	75	M	71	71	0	10	-	-	RA FG+ BR	0	M	0	0.68	29.56	29.99	0.9	36	1.4	15	350	12	340	9
10	85s	70	M	M	69	M	M	M	-	-	RA BR	0	M	0	0.03	29.64	30.07	1.8	1	2.7	15	60	8	360	10
11	86	64	75	M	67	70	0	10	-	-	BR	0	M	0	0	29.65	30.09	0.6	1	1	10	10	7	360	11
12	85	69	77	M	72	73	0	12	-	-	TSRA BR	0	M	0	0.11	29.52	29.97	1.9	28	3.1	33	20	14	350	12
13	82	63	73	M	65	68	0	8	-	-	BR	0	M	0	0.01s	29.58	30	5.4	35	6.4	21	10	15	360	13
14	74	54	64	M	53	58	1	0	-	-	BR	0	M	0	0	29.7	30.14	5.6	4	5.9	22	50	16	60	14
15	76	51	64	M	54	58	1	0	-	-	BR	0	M	0	0	29.66	30.11	2.5	3	2.8	16	10	12	30	15
16	77	51*	64*	M	58	61	1	0	-	-	BR	0	M	0	0	29.67	30.11	2.9	3	3.3	29s	130	10	50	16
17	79	63	71	M	63	65	0	6	-	-	RA BR	0	M	0	0.2	29.67	30.12	3.2	4	M	M	M	M	M	17
18	82	63	73	M	65	67	0	8	-	-	FG+ BR	0	M	0	T	29.67	30.11	1.1	8	1.3	M	M	M	M	18
19	85	62	74	M	66	68	0	9	-	-	FG+ BR	0	M	0	0.01s	29.64	30.08	0.7	11	0.9	12	80	9	70	19
20	87	62	75	M	67	69	0	10	-	-	FG+ FG BR	0	M	0	0	29.64	30.08	0.2	12	0.6	22	330	8	120	20
21	87	62	75	M	68	70	0	10	-	-	FG+ FG BR	0	M	0	0	29.65	30.09	1.5	22	2.2	16	320	10	200	21
22	89	64	77	M	70	72	0	12	-	-	TS FG+ FG BR	0	M	0	0	29.62	30.07	1.6	25	2.3	16	240	10	330	22
23	89	67	78	M	70	72	0	13	-	-	FG+ FG BR	0	M	0	0	29.63	30.06	1.9	4	2.5	16	10	9	20	23
24	89	62	76	M	67	69	0	11	-	-	FG+ FG BR	0	M	0	0.09s	29.73	30.16	1.6	8	1.8	14	80	9	60	24
25	90	59	75	M	68	70	0	10	-	-	FG+ BR	0	M	0	0	29.78	30.22	0.9	13	2	12	210	9	200	25
26	88	66	77	M	71	73	0	12	-	-	FG+ FG BR	0	M	0	0	29.72	30.17	4.5	22	4.9	16	200	14	200	26
27	89	70	80	M	72	74	0	15	-	-	BR	0	M	0	0	29.6	30.06	5	21	5.6	15	240	12	200	27
28	90	67	79	M	70	73	0	14	-	-	BR	0	M	0	0	29.57	30.01	3.5	25	3.9	15	260	10	240	28
29	94	69	82	M	71	74	0	17	-	-	BR	0	M	0	0	29.55	29.99	2.4	27	3	13	300	9	310	29
30	94	67	81	M	72	74	0	16	-	-	FG+ BR	0	M	0	0	29.47	29.92	2.6	21	3	14	230	12	220	30
31	94*	75	85*	M	74	77	0	20	-	-		0	M	0	0	29.36	29.81	6.4	21	6.8	20	200	15	210	31

	85.2	64.1	74.7	<-----Departure From Normal----->													2.93s	29.6
	M	M	M														M	

\* EXTREME FOR THE MONTH - LAST OCCURRENCE IF MORE THAN ONE. **Data Version: VER2**

<b>QUALITY CONTROLLED LOCAL CLIMATOLOGICAL DATA</b> <b>(final)</b> <b>NOAA, National Climatic Data Center</b> <b>Month: 10/2013</b>	<b>Station Location: SOUTHERN ILLINOIS AIRPORT (93810)</b> <b>CARBONDALE/MURPHYBORO, IL</b> <b>Lat. 37.779 Lon. -89.249</b> <b>Elevation(Ground): 406 ft. above sea level</b>
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D a t e	Temperature (Fahrenheit)						Degree Days Base 65 Degrees		Sun		Significant Weather	Snow/Ice on Ground(In)		Precipitation (In)		Pressure(inches)		Wind: Speed=mph Dir=tens of degrees						D a t e	
	Max.	Min.	Avg.	Dep From Normal	Avg. Dew pt.	Avg Wet Bulb	Heating	Cooling	Sunrise LST	Sunset LST		1200	1800	2400	2400	Avg. Station	Avg. Sea Level	Resultant Speed	Res Dir	Avg. Speed	max		max		
												UTC	UTC	LST	LST						Speed	Dir	5-second		2-minute
												Depth	Water Equiv	Snow Fall	Water Equiv										
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
1	77	62	70	M	66	67	0	5	-	-	BR	0	M	0	0	29.59	30.02	5.2	18	5.1	15	200	12	190	1
2	85	64	75	M	68	69	0	10	-	-	RA FG+ FG BR	0	M	0	0.03	29.59	30.03	4.2	20	4.7	24	230	20	200	2
3	86	67	77	M	66	69	0	12	-	-	RA BR	0	M	0	0.01	29.54	29.98	7.1	18	7.5	23	220	18	190	3
4	87*	69	78*	M	69	71	0	13	-	-	BR VCTS	0	M	0	0.05	29.55	29.99	6.5	19	6.8	36	180	28	170	4
5	83	57	70	M	68	69	0	5	-	-	TSRA RA FG+ BR	0	M	0	1.85	29.46	29.93	4.2	19	6.5	28	290	21	210	5
6	67	46	57	M	47	52	8	0	-	-	RA	0	M	M	T	29.44	29.89	6.4	26	7.3	24	240	18	240	6
7	68	44	56	M	46	50	9	0	-	-	BR	0	M	0	0	29.64	30.06	3.6	30	4.9	21	350	15	350	7
8	73	42	58	M	46	51	7	0	-	-	FG BR	0	M	0	0	29.71	30.16	2.6	11	2.9	20	80	14	80	8
9	76	41	59	M	51	54	6	0	-	-	FG+ FG BR	0	M	0	0	29.68	30.14	0.7	14	0.9	23	140	9	140	9
10	80	52	66	M	57	60	0	1	-	-	BR	0	M	0	0	29.63	30.09	1.1	21	1.2	22	150	12	190	10
11	79	51	65	M	56	60	0	0	-	-	BR	0	M	0	0	29.56	30.01	4.1	18	4.7	21	200	17	200	11
12	71	55	63	M	60	60	2	0	-	-	TSRA RA FG+ BR	0	M	0	0.29	29.62	30.06	0.5	19	2.2	12	280	9	280	12
13	75	47	61	M	46	52	4	0	-	-		0	M	0	0	29.85	30.28	4.8	1	5.4	18	40	13	30	13
14	69	43	56	M	50	53	9	0	-	-		0	M	0	0	29.73	30.21	2.1	8	2.7	10	90	7	100	14
15	69	59	64	M	61	62	1	0	-	-	RA BR	0	M	0	0.12	29.52	29.98	6.1	19	8	23	320	17	320	15
16	64	45	55	M	46	51	10	0	-	-		0	M	0	T	29.55	30.01	3.5	32	4.2	15	340	12	300	16
17	64	43	54	M	46	49	11	0	-	-	RA BR	0	M	0	0.12	29.54	29.99	2.6	25	3.6	25	270	15	260	17
18	66	38	52	M	44	49	13	0	-	-	RA FG BR	0	M	0	0.05	29.55	30	2.3	28	3.5	15	360	12	350	18
19	58	38	48	M	39	44	17	0	-	-	RA	0	M	0	0.13	29.56	30.01	3.9	30	5.4	22	310	16	300	19
20	66	37	52	M	40	46	13	0	-	-	HZ	0	M	0	0	29.54	29.99	9.1	19	9.4	28	190	22	180	20
21	64	37	51	M	43	47	14	0	-	-		0	M	0	T	29.57	30.01	3.7	27	6.2	17	320	14	330	21
22	61	33	47	M	37	43	18	0	-	-	RA BR	0	M	M	0.04	29.51	29.97	3.5	23	7.5	31	340	22	330	22
23	51	38	45	M	33	40	20	0	-	-		0	M	0	0	29.65	30.1	7	32	7.4	28	350	21	340	23
24	51	28	40	M	30	37	25	0	-	-		0	M	0	0	29.85	30.27	6.6	33	6.9	M	M	21	340	24
25	52	24*	38*	M	26	33	27	0	-	-	BR	0	M	0	0	29.95	30.42	1.2	20	2	13	330	9	230	25
26	60	31	46	M	34	42	19	0	-	-		0	M	0	0	29.67	30.14	7.7	21	9.6	29	220	23	220	26
27	61	28	45	M	32	38	20	0	-	-		0	M	0	0	29.64	30.1	0.1	36	0.7	15	100	6	230	27
28	70	30	50	M	38	44	15	0	-	-	BR	0	M	0	0	29.75	30.19	0.5	12	0.9	15	150	10	170	28
29	65	39	52	M	50	51	13	0	-	-	RA BR VCTS	0	M	M	0.43	29.71	30.18	2.8	15	3.8	18	170	15	170	29
30	77	63	70	M	61	64	0	5	-	-	RA BR	0	M	0	0.18	29.55	30.02	11.6	19	11.7	38	190	26	200	30
31	68	51	60	M	60	61	5	0	-	-	TSRA RA BR	0	M	0	1.82	29.16	29.62	10.3	20	12.7	29s	320	17s	310	31

69.1	45.2	57.2	<-----Departure From Normal----->													5.17s	29.61
M	M	M														M	

\* EXTREME FOR THE MONTH - LAST OCCURRENCE IF MORE THAN ONE. **Data Version: VER2**

<b>QUALITY CONTROLLED LOCAL CLIMATOLOGICAL DATA</b> <b>(final)</b> <b>NOAA, National Climatic Data Center</b> <b>Month: 11/2013</b>	<b>Station Location: SOUTHERN ILLINOIS AIRPORT (93810)</b> <b>CARBONDALE/MURPHYBORO, IL</b> <b>Lat. 37.779 Lon. -89.249</b> <b>Elevation(Ground): 406 ft. above sea level</b>
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D a t e	Temperature (Fahrenheit)						Degree Days Base 65 Degrees		Sun		Significant Weather	Snow/Ice on Ground(In)		Precipitation (In)		Pressure(inches)		Wind: Speed=mph Dir=tens of degrees						D a t e		
	Max.	Min.	Avg.	Dep From Normal	Avg. Dew pt.	Avg Wet Bulb	Heating	Cooling	Sunrise LST	Sunset LST		1200	1800	2400	2400	Avg. Station	Avg. Sea Level	Resultant Speed	Res Dir	Avg. Speed	max		max			
												UTC	UTC	LST	LST						5-second		2-minute			
												Depth	Water Equiv	Snow Fall	Water Equiv						Speed	Dir	Speed		Dir	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	
1	65	42	54	M	44	49	11	0	-	-		0	M	0	0	29.33	29.77	7.7	24	8.2	24	270	17	270	1	
2	56	35	46	M	39	43	19	0	-	-	BR	0	M	0	0	29.62	30.04	5.1	31	5.8	23	320	18	310	2	
3	59	30	45	M	34	40	20	0	-	-	BR	0	M	0	0	29.79	30.24	2.5	14	2.9	17	120	12	130	3	
4	60	43	52	M	41	46	13	0	-	-	RA BR	0	M	0	0.05	29.78	30.24	6.8	17	7.3	26	210	21	200	4	
5	65	49	57	M	46	51	8	0	-	-	RA BR	0	M	M	0.01	29.74	30.21	8.1	16	8.5	26	190	20	180	5	
6	62	38	50	M	46	48	15	0	-	-	RA BR	0	M	M	0.45	29.66	30.11	5.6	23	11.6	26	200	21	190	6	
7	53	31	42	M	34	39	23	0	-	-		0	M	0	0	29.88	30.33	2.2	29	2.8	14	270	12	260	7	
8	58	27	43	M	31	38	22	0	-	-	FG BR	0	M	0	0	29.82	30.29	4.2	17	4.9	20	140	15	160	8	
9	66	41	54	M	40	46	11	0	-	-		0	M	0	0	29.72	30.17	8.8	21	9.2	30	220	23	220	9	
10	58	32	45	M	34	40	20	0	-	-	BR	0	M	0	0	29.9	30.35	1.6	35	2.2	15	50	10	40	10	
11	61	32	47	M	35	42	18	0	-	-	RA	0	M	M	T	29.8	30.25	2.1	27	7.5	30	10	24	350	11	
12	39	21	30	M	21	28	35	0	-	-	SN	0	M	M	0.01	30.22	30.66	10.3	35	10.4	31	20	23	360	12	
13	44	17	31	M	18	26	34	0	-	-		0	M	0	0	30.08	30.58	3.9	19	4.1	24	210	12	210	13	
14	54	26	40	M	22	34	25	0	-	-		0	M	0	0	29.75	30.26	10.9	20	11.2	29	200	22	200	14	
15	52	39	46	M	34	42	19	0	-	-		0	M	M	T	29.6	30.08	7.7	18	8.2	20	200	15	200	15	
16	66	49	58	M	53	55	7	0	-	-	TSRA BR	0	M	M	0.27	29.4	29.88	14.7	18	14.9	36	190	29	190	16	
17	77*	51	64*	M	49	58	1	0	-	-	RA BR VCTS	0	M	0	1.05	29.27	29.7	11.4	22	16.1	48	200	35	210	17	
18	58	32	45	M	34	42	20	0	-	-		0	M	0	0	29.75	30.16	5.5	31	6.2	29	310	21	320	18	
19	47	27	37	M	28	33	28	0	-	-		0	M	0	0	29.83	30.29	2.3	8	2.7	13	40	9	60	19	
20	54	26	40	M	31	37	25	0	-	-	BR	0	M	0	0	29.7	30.17	3.9	13	4.9	16	210	13	200	20	
21	53	45	49	M	45	48	16	0	-	-	RA FG BR	0	M	M	1.06	29.72	30.17	5	17	5	8s	180	6s	170	21	
22	52	38	45	M	40	42	20	0	-	-	BR	M	M	0	0.02s	29.95	30.37	10	34	10.3	26	340	20	350	22	
23	40	21	31	M	22	29	34	0	-	-		0	M	T	T	30.14	30.58	11.3	35	11.7	29	340	24	340	23	
24	31	16	24	M	13	22	41	0	-	-	SN	0	M	0.0s	0.00s	30.16	30.65	4.4	3	5.2	20	80	10	30	24	
25	36	28	32	M	19	28	33	0	-	-	PL	0	M	M	T	29.83	30.33	5.7	19	6.3	17	200	13	220	25	
26	43	24	34	M	23	30	31	0	-	-		0	M	0.0s	0.00s	29.67	30.14	9.4	34	9.5	33	330	25	340	26	
27	30	16	23*	M	9	19	42	0	-	-		0	M	0.0s	0.00s	29.87	30.32	8.5	33	9.1	30	350	22	340	27	
28	44	16*	30	M	18	26	35	0	-	-		0	M	0	0	29.93	30.38	6.7	19	7	30	210	23	200	28	
29	50	19	35	M	22	28	30	0	-	-		0	M	0	0	30.04	30.52	1.6	11	2.2	12	130	8	120	29	
30	55	23	39	M	28	35	26	0	-	-		0	M	0	0	29.79	30.29	8.2	19	8.5	26	200	21	190	30	
	M	M	M												2.92	M										
	M	M	M								<-----Departure From Normal----->				M											

\* EXTREME FOR THE MONTH - LAST OCCURRENCE IF MORE THAN ONE. Data Version: VER2

<b>QUALITY CONTROLLED LOCAL CLIMATOLOGICAL DATA</b> <b>(final)</b> <b>NOAA, National Climatic Data Center</b> <b>Month: 12/2013</b>	<b>Station Location: SOUTHERN ILLINOIS AIRPORT (93810)</b> <b>CARBONDALE/MURPHYBORO, IL</b> <b>Lat. 37.779 Lon. -89.249</b> <b>Elevation(Ground): 406 ft. above sea level</b>
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D a t e	Temperature (Fahrenheit)						Degree Days Base 65 Degrees		Sun		Significant Weather	Snow/Ice on Ground(In)		Precipitation (In)		Pressure(inches)		Wind: Speed=mph Dir=tens of degrees						D a t e	
	Max.	Min.	Avg.	Dep From Normal	Avg. Dew pt.	Avg Wet Bulb	Heating	Cooling	Sunrise LST	Sunset LST		1200	1800	2400	2400	Avg. Station	Avg. Sea Level	Resultant Speed	Res Dir	Avg. Speed	max		max		
												UTC	UTC	LST	LST						Speed	Dir	Speed		Dir
												Depth	Water Equiv	Snow Fall	Water Equiv					Speed	Dir	Speed	Dir		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
1	60	33	47	M	37	42	18	0	-	-	BR	0	M	0	0	29.57	30.05	2.3	19	2.4	10	210	9	200	1
2	59	31	45	M	40	42	20	0	-	-	FG BR	0	M	0	0	29.31	29.8	2.9	17	3.1	15	200	12	190	2
3	61	40s	M	M	M	M	M	M	-	-	FG+ FG BR	0	M	0	0	M	M	4.9	16	M	M	M	M	M	3
4	67*	47	57*	M	54	57	8	0	-	-	BR	0	M	M	T	29.26	29.68	10.3	20	12.8	40	200	29	200	4
5	52	24	38	M	28	31	27	0	-	-	FZRA SN PL FZFG BR UP	0	M	M	1.13	29.7	30.12	11.3	34	11.8	28	350	22	320	5
6	24	18	21	M	18	21	44	0	-	-	SN FZFG BR	0	M	M	0.48	29.93	30.36	11.7	35	11.8	26	360	21	350	6
7	20	4	12*	M	7	13	53	0	-	-		0	M	0	0	30.12	30.6	6.7	36	7.3	17	350	14	340	7
8	30	20	25	M	21	24	40	0	-	-	SN BR HZ	M	M	M	0.01	29.69	30.2	0.9	16	6.6	18	240	15	240	8
9	30	21	26	M	18	23	39	0	-	-	SN BR	M	M	M	T	29.81	30.28	5.7	32	7.2	25	330	18	330	9
10	33	12	23	M	16	21	42	0	-	-	SN MIFG BR	M	M	M	T	29.88	30.33	6	21	7.2	19	230	15	220	10
11	34	11	23	M	15	20	42	0	-	-	BR	M	M	0	0	30.04	30.49	4.1	31	7.3	21	310	16	330	11
12	29	-1*	14	M	5	13	51	0	-	-		0	M	0	0	30.03	30.53	4.7	20	5.1	21	200	18	200	12
13	39	17	28	M	21	26	37	0	-	-	RA SN PL	0	M	M	0.09	29.67	30.2	5.7	17	7.1	25	210	20	210	13
14	36	30	33	M	30	32	32	0	-	-	RA BR	0	M	0.0s	0.45	29.51	29.96	7.5	32	9.7	28	320	22	320	14
15	33	27	30	M	24	28	35	0	-	-		0	M	0	0	29.7	30.16	6.9	23	9.9	22	330	17	190	15
16	48	29	39	M	30	34	26	0	-	-	BR	M	M	0	0	29.61	30.07	4.9	20	6.3	19	200	16	200	16
17	42	26	34	M	25	31	31	0	-	-	BR HZ	0	M	0	0	29.77	30.21	5.2	30	5.8	18	290	15	340	17
18	46	21	34	M	25	32	31	0	-	-		0	M	0	0	29.7	30.18	9.3	19	9.8	31	210	24	200	18
19	58	43	51	M	42	46	14	0	-	-		0	M	0	0	29.49	29.98	16.4	20	16.7	35	190	26	210	19
20	64	44	54	M	52	55	11	0	-	-	RA BR VCTS	0	M	M	1.23	29.37	29.84	11.9	20	14.7	34	200	25	200	20
21	44	36	40	M	37	38	25	0	-	-	RA BR	M	M	M	0.27	29.22	29.68	6.7	36	8.2	23	330	17	320	21
22	42	32	37	M	33	36	28	0	-	-	BR	M	M	M	M	29.57	29.97	7.4	29	9.3	20	310	16	320	22
23	32	20	26	M	20	25	39	0	-	-		M	M	M	M	30.02	30.43	10.2	32	10.7	23	340	18	340	23
24	25	12	19	M	8	16	46	0	-	-		M	M	M	M	30.07	30.56	0.6	31	5.8	21	310	16	300	24
25	38	20	29	M	20	27	36	0	-	-		M	M	M	M	29.87	30.35	6.7	22	8	23	220	20	230	25
26	46	23	35	M	25	31	30	0	-	-	BR	M	M	M	M	29.91	30.38	5.5	21	6.2	17	200	14	200	26
27	52	28	40	M	29	35	25	0	-	-		M	M	M	M	29.9	30.36	7.2	20	7.5	17	200	15	200	27
28	50	32	41	M	31	37	24	0	-	-	RA	M	M	M	M	29.67	30.17	6.5	18	6.7	17	210	15	200	28
29	45	23	34	M	27	31	31	0	-	-	RA	M	M	M	M	29.63	30.07	8.3	32	11.7	30	330	23	330	29
30	28	15	22	M	11	20	43	0	-	-		M	M	M	M	29.83	30.3	2.6	33	5.3	21	330	15	340	30
31	44	20	32	M	19	28	33	0	-	-		0	M	0	0	29.86	30.33	5.9	20	7.1	20	170	17	180	31

	41.1	23.9	32.5	-----Departure From Normal-----											3.66s	29.75
	M	M	M												M	

\* EXTREME FOR THE MONTH - LAST OCCURRENCE IF MORE THAN ONE. **Data Version: VER2**