

<b>QUALITY CONTROLLED LOCAL CLIMATOLOGICAL DATA</b> <b>(final)</b> <b>NOAA, National Climatic Data Center</b> <b>Month: 10/2015</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 Equip	Snow Fall	Water Equip										
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	71	49	60	M	46	52	5	0	-	-		0	M	0	0	29.67	30.11	10.1	1	10.1	29	20	20	350	1
2	70	49	60	M	45	52	5	0	-	-		0	M	0	0	29.61	30.07	11.3	2	11.7	25	20	17	360	2
3	56	50	53	M	46	49	12	0	-	-	RA BR	0	M	0	T	29.55	30	10.3	3	10.6	29	80	20	50	3
4	61	50	56	M	50	53	9	0	-	-		0	M	0	0	29.59	30.04	7.4	35	8.1	18	350	14	350	4
5	80	53	67	M	57	60	0	2	-	-	BR	0	M	0	0	29.62	30.06	6.2	33	6.3	16	350	13	330	5
6	81	57	69	M	59	62	0	4	-	-	BR	0	M	0	0	29.64	30.08	4.6	34	5	16	10	14	340	6
7	78	56	67	M	58	60	0	2	-	-	BR	0	M	0	0	29.67	30.11	3.1	31	3.7	15	330	12	330	7
8	81	56	69*	M	58	62	0	4	-	-	BR	0	M	0	0	29.59	30.04	2	23	3	16	250	12	230	8
9	67	57	62	M	54	58	3	0	-	-	RA	0	M	0	T	29.68	30.12	7.1	34	8.4	17	340	14	340	9
10	69	44	57	M	45	50	8	0	-	-		0	M	0	0	29.68	30.14	2.1	1	3	22	10	14	20	10
11	75	42	59	M	49	54	6	0	-	-		0	M	0	0	29.44	29.92	6.5	18	6.8	22	210	16	190	11
12	80	51	66	M	51	57	0	1	-	-	RA VCTS	0	M	0	T	29.27	29.72	5.8	23	7.8	19	310	14	330	12
13	73	44	59	M	42	50	6	0	-	-		0	M	0	0	29.42	29.85	4.9	29	5.5	21	320	16	320	13
14	77	40	59	M	42	49	6	0	-	-	BR	0	M	0	0	29.57	30	0.6	24	2.4	15	210	10	40	14
15	78	41	60	M	43	52	5	0	-	-	BR	0	M	M	T	29.67	30.09	1.9	27	5	18	10	13	350	15
16	66	36	51	M	33	43	14	0	-	-	HZ	0	M	0	0	29.89	30.32	6.8	33	7	23	330	17	330	16
17	56	31	44*	M	28	37	21	0	-	-		0	M	0	0	29.99	30.44	6	36	6.5	27	360	17	360	17
18	62	28*	45	M	29	38	20	0	-	-		0	M	0	0	30.01	30.47	1.3	14	1.8	17	130	10	140	18
19	71	35	53	M	33	43	12	0	-	-		0	M	0	0	29.83	30.31	7.4	18	7.8	23	190	17	190	19
20	75	44	60	M	40	49	5	0	-	-		0	M	0	0	29.75	30.21	8.1	18	8.4	25	190	20	200	20
21	80	43	62	M	48	54	3	0	-	-		0	M	0	0	29.77	30.22	5.3	20	6	21	210	16	220	21
22	81*	51	66	M	52	57	0	1	-	-	HZ	0	M	0	0	29.75	30.2	3.6	19	4	16	180	13	190	22
23	76	49	63	M	57	61	2	0	-	-	RA BR	0	M	M	T	29.59	30.06	6.3	18	6.9	25	200	20	200	23
24	69	54	62	M	57	60	3	0	-	-	RA BR	0	M	0	T	29.62	30.04	4.9	24	9.6	22	320	17	330	24
25	61	47	54	M	43	49	11	0	-	-		M	M	M	M	29.82	30.26	6.3	3	6.9	19	80	14	50	25
26	65	45	55	M	45	50	10	0	-	-	RA BR	0	M	0	0.02	29.72	30.19	7.4	7	7.8	24	70	17	80	26
27	61	55	58	M	55	56	7	0	-	-	RA BR VCTS	0	M	0	0.68	29.38	29.88	7.8	11	8.4	24	110	18	110	27
28	68	44	56	M	52	55	9	0	-	-	RA BR	0	M	0	0.02	29.24	29.69	7.1	27	8.1	24	250	17	280	28
29	59	36	48	M	33	41	17	0	-	-	BR	0	M	0	0	29.51	29.92	4	30	4.4	21	310	15	260	29
30	60	31	46	M	38	43	19	0	-	-		0	M	0	0	29.65	30.09	2.6	11	3.2	14	140	10	90	30
31	64	48	56	M	49	52	9	0	-	-	RA BR	0	M	0	0.12	29.42	29.88	5.6	19	6.8	33	170	25	160	31

	70	45.7	57.9		46.4	51.9	7.3	0.5	<-----Monthly Averages   Totals----->				M	M	0.84s	29.63	30.08	0.9	33	6.5	<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: 11/2015</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 Equip	Snow Fall	Water Equip																					
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	68	43	56	M	48	51	9	0	-	-	FG+ FG BR	0	M	0	0	29.55	30	0.7	18	2.1	11	330	9	330	1
2	59	42	51	M	52	53	14	0	-	-	FG+ BR	0	M	0	0	29.57	30.02	0.8	32	2.1	8	250	7	250	2
3	66	49	58	M	53	54	7	0	-	-	FG+ FG BR	0	M	0	0	29.66	30.1	0.4	5	0.9	8	120	5	110	3
4	72	50	61	M	57	58	4	0	-	-	FG+ BR	0	M	0	0	29.67	30.12	2	18	2.3	11	140	8	140	4
5	72*	57	65*	M	62	63	0	0	-	-	RA FG+ BR	0	M	0	0.93	29.55	30.02	5.9	17	6.9	26	200	17	190	5
6	65	46	56	M	49	53	9	0	-	-	RA	0	M	0	0.11	29.68	30.11	4.3	31	7	25	340	17	340	6
7	60	39	50	M	38	44	15	0	-	-	BR	0	M	0	0	29.91	30.34	3.9	35	4.1	18	340	15	330	7
8	59	30	45	M	31	38	20	0	-	-		0	M	0	0	29.88	30.35	2	5	2.4	17	50	13	100	8
9	61	29	45	M	31	38	20	0	-	-	BR	0	M	0	0	29.72	30.2	1.3	33	1.8	14	10	10	10	9
10	65	29	47	M	33	40	18	0	-	-	BR	0	M	0	0	29.63	30.1	2.5	17	3.3	12	190	9	210	10
11	69	42	56	M	50	53	9	0	-	-	RA BR	0	M	0	0.05	29.31	29.81	10	17	11.1	35	160	25	230	11
12	64	44	54	M	33	44	11	0	-	-	RA	0	M	0	0.00s	29.56	29.97	11.4	27	11.7	40	260	31	250	12
13	59	31	45	M	25	38	20	0	-	-	SN	0	M	0.0s	T	29.83	30.25	4.6	29	5.8	25	330	17	300	13
14	68	28	48	M	32	41	17	0	-	-		0	M	0.0s	0.00s	29.9	30.35	5.6	20	5.9	20	210	16	190	14
15	66	33	50	M	34	43	15	0	-	-		0	M	0	0	29.85	30.31	4.8	18	5.5	21	190	17	210	15
16	54	48	51	M	44	47	14	0	-	-	RA BR	0	M	0	0.46	29.65	30.13	7.3	15	8.2	20	140	15	140	16
17	71	54	63	M	56	59	2	0	-	-	RA BR	0	M	0	1.93	29.28	29.78	13.2	15	14.2	38	150	26	140	17
18	65	48	57	M	48	52	8	0	-	-	RA BR	0	M	0	0.45	29.25	29.68	16.2	19	17	39	180	33	230	18
19	56	31	44	M	33	41	21	0	-	-		0	M	0	0	29.74	30.13	5.7	28	8	25	300	21	310	19
20	57	27	42	M	23	36	23	0	-	-		0	M	0	0	29.74	30.21	5.5	13	6.4	23	130	17	150	20
21	48	26	37	M	29	34	28	0	-	-	RA	0	M	0	0.21	29.67	30.11	7.7	31	10.4	44	320	33	310	21
22	41	22*	32*	M	15	26	33	0	-	-		0	M	0	0	29.78	30.26	1.8	18	4.9	12	170	10	200	22
23	57	30	44	M	26	36	21	0	-	-		0	M	0	0	29.75	30.2	6.5	22	7.6	19	210	15	200	23
24	61	32	47	M	32	40	18	0	-	-		0	M	0	0	29.82	30.27	7	18	7.4	23	200	21	200	24
25	60	42	51	M	35	44	14	0	-	-		0	M	0	0	29.83	30.28	10.7	17	10.9	26	190	21	190	25
26	65	56	61	M	47	53	4	0	-	-		0	M	0	0	29.87	30.33	13.7	18	13.9	28	200	22	180	26
27	64	47	56	M	51	54	9	0	-	-	RA BR	0	M	0	1.65	29.78	30.25	6.7	19	10.4	34s	180	24	180	27
28	47	41	44	M	41	42	21	0	-	-	RA BR	0	M	0	0.56	29.79	30.25	8.8	36	9.1	20s	340	15	340	28
29	44	41	43	M	40	41	22	0	-	-	RA BR	0	M	0	0.24	29.72	30.19	7.1	2	7.2	16	40	13	10	29
30	49	41	45	M	43	44	20	0	-	-	RA FG+ BR	0	M	0	0.04	29.55	30.01	1.3	11	3.6	10	140	8	240	30
	60.4	39.3	49.9		39.7	45.3	14.9	0	<-----Monthly Averages   Totals----->				M	M	6.63s	29.68	30.14	2.7	19	7.1	<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: 12/2015</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 Equip	Snow Fall	Water Equip										
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	49	33	41	M	35	39	24	0	-	-	RA	0	M	0	0	29.5	29.95	4.8	24	6.2	19	310	14	310	1
2	45	32	39	M	30	36	26	0	-	-	RA	0	M	0	T	29.54	29.99	7.6	27	9.7	23	250	18	250	2
3	43	25	34	M	28	31	31	0	-	-	BR	0	M	0	0	29.95	30.38	1.4	34	2.2	13	10	10	360	3
4	50	23*	37	M	27	32	28	0	-	-	FG+ FZFG BR	0	M	0	0	30.11	30.57	2.1	9	2.3	13	110	9	120	4
5	53	24	39	M	31	33	26	0	-	-	FG+ FZFG BR	0	M	0	0	30.12	30.56	2.5	9	3.3	12	110	9	100	5
6	56	26	41	M	33	38	24	0	-	-	RA BR	0	M	0	0.01	29.92	30.35	3.4	21	4.5	17	220	14	230	6
7	50	30	40	M	36	39	25	0	-	-	BR	0	M	0	0	29.76	30.23	0.7	29	2.5	11	240	8	140	7
8	61	30	46	M	40	44	19	0	-	-	FG+ FZFG BR	0	M	0	0	29.48	29.97	9.9	19	10.4	27	200	22	190	8
9	63	42	53	M	41	46	12	0	-	-	HZ	0	M	0	0	29.41	29.87	5.5	23	6.5	22	220	17	200	9
10	65	38	52	M	45	50	13	0	-	-	RA	0	M	0	0.00s	29.34	29.79	10.4	20	10.9	31	200	25	190	10
11	68	54	61	M	56	57	4	0	-	-	BR HZ	0	M	0	T	29.37	29.81	10.2	19	10.6	35	200	26	210	11
12	72*	64	68*	M	60	63	0	3	-	-		0	M	0	0	29.54	29.97	12.4	19	13.3	31	200	22	190	12
13	71	57	64	M	57	60	1	0	-	-	RA BR	0	M	0	0.21	29.23	29.71	13.2	16	13.9	47	140	33	170	13
14	57	47	52	M	42	47	13	0	-	-	RA	0	M	0	0.24	29.15	29.57	15.6	22	16.7	42	200	35	210	14
15	57	38	48	M	41	45	17	0	-	-		0	M	0	0	29.42	29.85	1.8	13	4.6	12	160	9	110	15
16	63	37	50	M	39	46	15	0	-	-	RA	0	M	0	0.01	29.34	29.78	6.3	21	10.1	24	220	21	230	16
17	38	29	34	M	24	31	31	0	-	-		0	M	0	0	29.57	30.01	7.1	32	7.5	20	340	17	350	17
18	41	30	36	M	17	29	29	0	-	-		0	M	0.0s	T	29.77	30.21	8.1	27	9.5	23	310	18	260	18
19	49	25	37	M	24	32	28	0	-	-		0	M	0	0	29.98	30.43	3.9	20	5.6	15	210	13	210	19
20	53	35	44	M	27	38	21	0	-	-		0	M	0	Ts	29.72	30.22	14.1	19	14.3	38	190	32	200	20
21	58	47	53	M	49	51	12	0	-	-	RA BR	0	M	0	0.43	29.42	29.9	11.7	19	13.9	36	210	26	190	21
22	54	43	49	M	44	46	16	0	-	-	FG BR	0	M	0	0.00s	29.36	29.84	2.6	13	6.5	17	320	13	160	22
23	65	49	57	M	54	57	8	0	-	-	RA BR VCTS	0	M	0	0.58	29.07	29.49	11.1	19	14.8	43	240	30	240	23
24	59	34	47	M	40	44	18	0	-	-		0	M	0	0	29.53	29.95	1.3	12	4.5	19	310	14	100	24
25	55	43	49	M	38	44	16	0	-	-		0	M	0	0	29.7	30.14	6.3	2	7	19	20	14	20	25
26	69	47	58	M	55	57	7	0	-	-	RA BR	0	M	0	0.86	29.51	29.98	7.3	16	9.4	30	180	22	180	26
27	71	42	57	M	42	44	8	0	-	-	RA BR	0	M	0	1.96	29.58	30.04	9.4	2	14.4	33	350	24	350	27
28	63	42	53	M	43	46	12	0	-	-	RA BR	0	M	0	2.07	29.18	29.63	6.7	16	16.7	50	190	38	220	28
29	43	35	39	M	29	34	26	0	-	-		0	M	0	0	29.67	30.09	5.2	28	7.2	26	250	22	250	29
30	37	34	36	M	28	33	29	0	-	-		0	M	0	0	29.82	30.25	4.3	33	4.9	13	300	10	330	30
31	35	30	33*	M	24	30	32	0	-	-		0	M	0	0	29.94	30.39	6.9	32	7.1	16	320	13	340	31

	55.3	37.6	46.5		38	42.6	18.4	0.1	<-----Monthly Averages   Totals----->				M	M	6.37s	29.58	30.03	3.8	21	8.7	<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: 01/2016</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		
	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	41	26	34	M	23	29	31	0	-	-		0	M	0	0	29.91	30.39	5.1	26	6.4	19	300	16	310	1
2	47	25	36	M	24	31	29	0	-	-		0	M	0	0	29.75	30.24	6	23	6.5	17	250	13	250	2
3	42	27	35	M	24	30	30	0	-	-		0	M	0	0	29.76	30.21	8.5	33	10.2	23	350	18	350	3
4	38	26	32	M	19	27	33	0	-	-		0	M	0	0	30.01	30.45	9	1	9.6	24	360	18	360	4
5	40	19	30	M	19	26	35	0	-	-		0	M	0	0	30.01	30.48	3.4	14	3.6	15	160	12	150	5
6	46	22	34	M	21	29	31	0	-	-		0	M	0	0	29.8	30.3	6.3	16	6.9	23	180	18	180	6
7	50	32	41	M	32	38	24	0	-	-	RA BR	0	M	0	0.15	29.55	30.04	5.5	14	5.9	15	170	13	150	7
8	52	45	49	M	45	47	16	0	-	-	BR	0	M	0	0.03	29.38	29.84	7.8	19	8.7	25	220	17	190	8
9	49	24	37	M	36	38	28	0	-	-	RA SN BR	M	M	M	0.69	29.35	29.79	10.7	33	12.2	35	320	26	330	9
10	24	12	18	M	8	16	47	0	-	-	SN	M	M	M	T	29.73	30.17	10.7	31	10.8	36	330	25	320	10
11	39	13	26	M	18	25	39	0	-	-		0	M	0	0	29.6	30.09	12.1	20	12.7	31	210	25	200	11
12	39	18	29	M	14	25	36	0	-	-		M	M	M	T	29.72	30.16	8	30	10.8	36	310	24	330	12
13	39	15	27	M	18	25	38	0	-	-		0	M	0	0	29.65	30.14	8.9	19	9.1	25	210	20	200	13
14	57	32	45	M	35	40	20	0	-	-		0	M	0	0	29.36	29.85	13.8	19	14	40	200	30	200	14
15	55	33	44	M	38	41	21	0	-	-	RA BR	0	M	0	0.02	29.18	29.62	5.7	25	12	28	320	21	310	15
16	36	23	30	M	22	28	35	0	-	-		0	M	0	0	29.54	29.97	6.6	33	7.2	20	290	14	350	16
17	26	10	18	M	11	17	47	0	-	-		M	M	M	T	29.78	30.19	8.2	33	9.1	26	340	21	330	17
18	19	7*	13*	M	1	10	52	0	-	-		0	M	0	0	29.98	30.44	6.4	31	6.8	20	340	15	330	18
19	24	9	17	M	8	16	48	0	-	-	SN BR	M	M	M	0.13	29.98	30.47	5.1	11	5.9	18	140	14	150	19
20	29	17	23	M	16	20	42	0	-	-	SN BR	M	M	M	0.04	29.79	30.27	3.5	2	5	15	10	13	20	20
21	28	16	22	M	18	22	43	0	-	-		0	M	0	0	29.73	30.23	7.1	4	7.4	18	50	15	50	21
22	31	26	29	M	18	25	36	0	-	-		0	M	0	0	29.67	30.12	14.8	36	15.2	37	360	26	350	22
23	35	18	27	M	17	23	38	0	-	-		0	M	0	0	29.77	30.23	6.8	33	7.5	24	350	18	350	23
24	42	17	30	M	21	28	35	0	-	-		0	M	0	0	29.6	30.09	9.7	18	10.1	26	210	22	200	24
25	54	35	45	M	34	39	20	0	-	-		0	M	0	T	29.44	29.9	12.9	20	15	36	210	30	210	25
26	40	30	35	M	24	30	30	0	-	-		0	M	0	0	29.79	30.22	8.1	31	8.4	25	310	17	310	26
27	41	27	34	M	22	29	31	0	-	-		0	M	0	0	29.77	30.25	1.8	22	4.6	17	220	14	210	27
28	60	32	46	M	27	36	19	0	-	-		0	M	0	0	29.43	29.91	6.7	27	10.2	29	300	21	290	28
29	51	22	37	M	27	33	28	0	-	-		0	M	0	0	29.51	29.98	4.4	18	5	19	180	15	180	29
30	64	40	52	M	40	47	13	0	-	-		0	M	0	0	29.3	29.77	14.4	20	14.7	29	210	23	210	30
31	65*	47	56*	M	48	53	9	0	-	-	RA	0	M	0	T	29.28	29.72	14.1	21	19.9	44	210	36	200	31

	42	24	33		23.5	29.8	31.7	0	<-----Monthly Averages   Totals----->				M	M	1.06s	29.65	30.11	2.6	25	9.4	<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: 02/2016</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		
	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	57	40	49	M	33	41	16	0	-	-		0	M	0	0	29.54	29.99	5.4	5	6.2	17	10	13	10	1
2	69	41	55	M	48	52	10	0	-	-	RA BR	0	M	M	0.11	29.18	29.65	9.5	16	13.1	40	170	31	170	2
3	54	33	44	M	26	34	21	0	-	-		0	M	0	0	29.55	29.97	10.7	26	11.9	32	240	25	240	3
4	41	23	32	M	18	27	33	0	-	-		0	M	0	0	29.88	30.31	4.7	31	6.2	20	310	14	320	4
5	47	21	34	M	21	29	31	0	-	-		0	M	0	0	29.92	30.39	0.6	31	4.3	16	260	12	260	5
6	56	21	39	M	21	32	26	0	-	-		0	M	0	0	29.82	30.3	4.6	21	5.7	19	220	14	200	6
7	57	33	45	M	25	37	20	0	-	-		0	M	0	T	29.52	30.02	9.8	22	10.7	35	310	26	320	7
8	41	23	32	M	20	27	33	0	-	-	SN	0	M	M	T	29.43	29.89	12.3	30	12.8	36	310	26	310	8
9	24	16	20	M	14	19	45	0	-	-	SN	0	M	M	T	29.58	30.02	9.9	32	10.2	30	290	21	310	9
10	24	10*	17*	M	12	18	48	0	-	-	SN BR	M	M	M	0.05	29.72	30.18	3.3	28	5.8	19	320	15	330	10
11	34	20	27	M	17	24	38	0	-	-		M	M	0	0	29.83	30.28	4.6	5	5.6	15	60	13	70	11
12	36	22	29	M	20	25	36	0	-	-	SN BR	M	M	M	0.04	29.9	30.32	7.8	34	8.5	26	320	20	330	12
13	26	13	20	M	4	17	45	0	-	-		M	M	0	0	30.09	30.57	5.3	2	8.4	24	330	18	350	13
14	28	21	25	M	17	23	40	0	-	-	SN FZFG BR UP	M	M	M	0.13	29.66	30.18	6.7	13	7.5	21	120	17	110	14
15	40	26	33	M	27	30	32	0	-	-	FG+ FZFG BR	0	M	0	0	29.43	29.92	0.9	14	3.1	12	190	10	190	15
16	35	28	32	M	30	32	33	0	-	-	SN FG+ FG FZFG BR UP	0	M	M	0.32	29.46	29.9	0.4	12	3.6	12	150	9	150	16
17	46	32	39	M	31	35	26	0	-	-	BR	0	M	0	0	29.82	30.25	0.8	17	3.5	12	260	9	260	17
18	58	29	44	M	34	40	21	0	-	-	BR HZ	0	M	0	0	29.72	30.21	12.9	16	13.6	39	180	32	190	18
19	63	49	56	M	45	51	9	0	-	-		0	M	0	0	29.52	29.98	22.5	20	22.7	59	200	45	200	19
20	75*	41	58*	M	52	56	7	0	-	-	FG+ FG BR	0	M	0	0	29.54	29.98	9.9	20	10.3	31	190	24	190	20
21	62	42	52	M	44	49	13	0	-	-	RA BR	0	M	0	0.02	29.59	30.02	6.9	33	9.5	22	350	17	350	21
22	49	36	43	M	34	39	22	0	-	-		0	M	0	0	29.62	30.08	7.1	3	7.8	17	50	14	40	22
23	54	30	42	M	34	39	23	0	-	-	RA BR	0	M	0	0.79	29.33	29.85	10.3	2	10.5	33	10	24	10	23
24	40	32	36	M	31	34	29	0	-	-	RA SN FG+ FG BR UP	0	M	M	1.8	29.17	29.6	16.8	33	18	40	320	28	330	24
25	39	33	36	M	27	33	29	0	-	-		0	M	0	0	29.69	30.09	9.3	29	9.4	22	300	17	290	25
26	40	29	35	M	25	31	30	0	-	-		0	M	0	0	29.85	30.3	2.9	29	5	19	290	12	230	26
27	60	26	43	M	32	39	22	0	-	-		0	M	0	0	29.62	30.11	8.6	20	9.5	26	210	17	200	27
28	66	46	56	M	41	48	9	0	-	-		0	M	0	0	29.4	29.85	17.9	21	20.2	49	190	38	200	28
29	62	32	47	M	31	41	18	0	-	-		0	M	0	0	29.57	30.03	3.9	21	6.7	28	300	22	310	29

	47.7	29.2	38.5		28.1	34.6	26.4	0	<-----Monthly Averages   Totals----->				M	M	3.26s	29.62	30.08	2.3	25	9.3	<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: 03/2016</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		
	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	54	29	42	M	34	39	23	0	-	-	TSRA RA BR VCTS	0	M	0	0.36	29.51	29.94	6.8	30	12	34	340	25	330	1
2	43	23*	33*	M	23	31	32	0	-	-		0	M	0	0	29.7	30.17	1.7	18	5.5	18	330	14	320	2
3	45	39	42	M	36	40	23	0	-	-	RA BR	0	M	0	0.13	29.54	30	3.1	12	5.5	20	360	17	360	3
4	41	33	37	M	31	34	28	0	-	-	SN BR HZ	0	M	0.0s	T	29.73	30.19	1.6	35	6.2	22	330	16	320	4
5	60	31	46	M	34	40	19	0	-	-	RA BR HZ	0	M	0	T	29.72	30.17	4.9	31	9.2	29	330	24	340	5
6	59	25	42	M	32	39	23	0	-	-	BR	0	M	0	0	29.69	30.18	6.6	17	7.5	24	190	17	180	6
7	69	54	62	M	42	51	3	0	-	-	RA	0	M	0	0.06	29.52	29.98	18.6	19	18.8	46	200	38	190	7
8	71	57	64	M	51	57	1	0	-	-	RA	0	M	0	0.02	29.52	29.97	12.4	18	12.7	37	220	29	210	8
9	63	58	61	M	56	57	4	0	-	-	RA BR	0	M	0	0.3	29.51	29.95	4.6	16	6.6	28s	130	21	140	9
10	58	46	52	M	50	51	13	0	-	-	RA FG BR	0	M	0	0.65	29.61	30.05	6.4	35	7.1	26	330	21	340	10
11	59	43	51	M	45	48	14	0	-	-	BR	0	M	0	T	29.78	30.24	5.1	3	6	16	30	12	10	11
12	63	52	58	M	53	55	7	0	-	-	RA BR	0	M	0	0.03	29.52	30.01	2.9	8	3.6	14	180	13	190	12
13	70	57	64	M	56	58	1	0	-	-	RA BR	0	M	0	0.56	29.28	29.75	6.7	20	7.4	23	200	20	200	13
14	72	55	64	M	55	58	1	0	-	-		0	M	0	T	29.27	29.71	1.2	29	4.5	16	250	13	250	14
15	77*	53	65*	M	55	60	0	0	-	-		0	M	0	T	29.18	29.61	10.1	19	13.9	35	240	28	250	15
16	65	51	58	M	35	47	7	0	-	-		0	M	0	0	29.51	29.92	10	26	11.1	46	330	30	290	16
17	65	39	52	M	29	43	13	0	-	-		0	M	0	0	29.54	29.98	3.1	29	6.2	23	320	17	310	17
18	58	34	46	M	33	41	19	0	-	-	RA	0	M	0	0.06	29.6	30.05	7.3	2	8.3	28s	360	21	360	18
19	51	38	45	M	29	38	20	0	-	-	RA	0	M	0	0.21	29.7	30.15	8.3	34	9.1	22	290	17	320	19
20	47	33	40	M	30	35	25	0	-	-	RA SN BR	0	M	0.0s	0.1	29.76	30.2	7.2	31	7.8	25	330	17	330	20
21	57	30	44	M	28	38	21	0	-	-		0	M	0	0	29.75	30.22	7.8	22	9.2	27s	200	22	200	21
22	66	44	55	M	36	46	10	0	-	-		0	M	0	0	29.43	29.92	25	20	25.1	55	200	41	190	22
23	68	56	62	M	48	54	3	0	-	-		0	M	0	0	29.35	29.81	22.8	19	23	52	200	37	190	23
24	67	38	53	M	44	49	12	0	-	-	RA BR VCTS	0	M	0	0.59	29.3	29.71	9.2	25	15.2	35	200	29	190	24
25	52	37	45	M	33	39	20	0	-	-		0	M	0	0	29.62	30.05	4	3	6.9	21	320	16	340	25
26	66	32	49	M	36	43	16	0	-	-	BR	0	M	0	0	29.62	30.07	1.7	14	3.3	16	170	13	160	26
27	75	37	56	M	43	47	9	0	-	-	RA BR	0	M	0	0.06	29.53	29.97	5.4	27	10	41	310	30	320	27
28	61	34	48	M	34	41	17	0	-	-		0	M	0	0	29.72	30.16	4.2	31	5.3	18	310	14	310	28
29	61	33	47	M	33	42	18	0	-	-	BR	0	M	0	0	29.73	30.2	6.9	9	7.1	26	100	17	90	29
30	70	45	58	M	46	52	7	0	-	-	RA BR VCTS	0	M	0	0.94	29.38	29.87	9.7	17	10.8	30	180	24	200	30
31	74	52	63	M	54	58	2	0	-	-	RA	0	M	0	0.05	29.13	29.58	10.8	20	15.2	37	170	29	190	31

	61.5	41.5	51.5		40.1	46.2	13.3	0	<-----Monthly Averages   Totals----->				M	M	4.12s	29.54	29.99	3.5	21	9.7	<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: 04/2016</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 Equip	Snow Fall	Water Equip						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	43	52	M	36	44	13	0	-	-		0	M	M	0.01	29.46	29.88	8.5	29	9.4	30	250	23	240	1
2	63	40	52	M	30	41	13	0	-	-		0	M	0	0.01	29.54	29.97	10.3	30	12.5	41	300	31	310	2
3	66	31	49	M	34	44	16	0	-	-		0	M	0	0	29.57	30.04	12	20	12.3	30	220	24	190	3
4	66	40	53	M	38	48	12	0	-	-		0	M	0	0	29.68	30.09	3	35	10.2	25	210	20	210	4
5	58	34	46	M	28	39	19	0	-	-		0	M	0	0	29.78	30.27	6.5	11	8.6	23	160	16	160	5
6	67	47	57	M	39	47	8	0	-	-	RA BR VCTS	0	M	M	0.2	29.3	29.79	10.7	22	14.5	44	200	33	210	6
7	61	42	52	M	36	44	13	0	-	-	RA	0	M	M	0.07	29.41	29.85	10.8	29	11.6	39	320	31	310	7
8	54	37	46	M	28	39	19	0	-	-		0	M	0	0	29.57	30	10.2	30	11.2	35	320	25	310	8
9	50	29*	40*	M	20	33	25	0	-	-		0	M	0	0	29.75	30.21	3.6	4	7.2	23	350	17	340	9
10	73	41	57	M	38	48	8	0	-	-	RA	0	M	M	0.05	29.44	29.91	13.7	19	14.4	34s	200	26	210	10
11	69	38	54	M	45	49	11	0	-	-	TSRA RA BR	0	M	0	0.94	29.59	30.01	4.6	33	9.2	28	340	21	350	11
12	57	34	46	M	32	40	19	0	-	-		0	M	0	0	29.83	30.28	5.3	3	6.2	19	60	15	50	12
13	65	33	49	M	34	43	16	0	-	-		0	M	0	0	29.73	30.2	2.9	7	3.5	19	100	15	110	13
14	72	40	56	M	42	50	9	0	-	-		0	M	0	T	29.65	30.11	3.7	8	4.2	20	110	14	90	14
15	76	53	65	M	46	54	0	0	-	-		0	M	0	0	29.65	30.09	6.2	13	6.9	24	170	18	130	15
16	77	48	63	M	49	55	2	0	-	-		0	M	0	0	29.78	30.2	5.4	13	5.9	22	130	17	120	16
17	80	49	65	M	50	56	0	0	-	-		0	M	0	0	29.83	30.28	2.9	17	3.6	16	140	13	180	17
18	80	47	64	M	46	55	1	0	-	-	BR	0	M	0	0	29.79	30.25	4.4	18	4.8	23	160	20	160	18
19	77	53	65	M	50	56	0	0	-	-		0	M	0	0	29.67	30.14	3.6	18	3.8	17	130	13	190	19
20	73	53	63	M	56	59	2	0	-	-	RA BR	0	M	0	1.44	29.52	30	4.2	17	5.8	22	160	16	170	20
21	74	55	65	M	56	59	0	0	-	-	TSRA RA BR	0	M	0	0.32	29.41	29.87	5.7	22	6.9	36	270	26	280	21
22	72	51	62	M	52	56	3	0	-	-		0	M	0	0	29.56	29.98	5.5	33	6.9	19	360	15	10	22
23	68	48	58	M	50	53	7	0	-	-	BR HZ	0	M	0	0	29.64	30.08	3.3	6	5.3	14	40	9	90	23
24	78	46	62	M	52	57	3	0	-	-	FG+ FG BR HZ	0	M	0	0	29.47	29.94	6.7	17	6.9	22	170	16	160	24
25	81	55	68	M	56	62	0	3	-	-		0	M	0	0.00s	29.36	29.82	11.1	19	12.1	32	200	25	200	25
26	81*	58	70*	M	61	63	0	5	-	-	TSRA RA BR VCTS	0	M	0	0.78	29.34	29.77	6.4	20	8.8	44	310	31	310	26
27	76	56	66	M	61	63	0	1	-	-	TSRA RA BR VCTS	0	M	0	0.11	29.23	29.69	5.9	17	7.5	24	240	17	240	27
28	76	55	66	M	52	58	0	1	-	-		0	M	0	0.04	29.46	29.87	5.9	25	6.9	23	230	18	240	28
29	64	50	57	M	52	56	8	0	-	-	RA	0	M	0	0.03	29.53	29.98	4.4	8	5	17	80	13	80	29
30	74	58	66	M	59	61	0	1	-	-	RA BR	0	M	0	0.53	29.39	29.83	6.1	15	8.5	24	340	18	360	30
	69.6	45.5	57.6		44.3	51.1	7.6	0.4	<-----Monthly Averages   Totals----->			M	M	4.53s	29.57	30.01	2.2	21	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: 05/2016</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		
	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	79	56	68	M	56	61	0	3	-	-	RA	0	M	0	0.1	29.47	29.9	2.3	27	5.9	28	320	18	330	1
2	61	52	57	M	48	52	8	0	-	-		0	M	0	0	29.57	30.01	6.2	33	6.7	23	330	15	330	2
3	65	46	56	M	46	51	9	0	-	-	BR	0	M	0	0	29.51	29.97	4	31	5.6	18	350	14	330	3
4	69	45	57	M	44	50	8	0	-	-	RA	0	M	0	0.03	29.36	29.81	5.4	31	10.2	35	340	24	350	4
5	63	44	54	M	42	48	11	0	-	-		0	M	0	0	29.53	29.96	7.4	34	8.3	33	340	20	350	5
6	75	43	59	M	45	52	6	0	-	-		0	M	0	0	29.54	30	2.6	30	4.2	17	320	13	340	6
7	86	51	69	M	52	58	0	4	-	-		0	M	0	0	29.44	29.88	4.9	27	6.5	34	360	28	350	7
8	83	55	69	M	56	61	0	4	-	-	BR HZ	0	M	0	T	29.42	29.87	2.2	19	3.6	21	190	17	200	8
9	75	62	69	M	59	62	0	4	-	-	TSRA RA	0	M	0	0.24	29.39	29.85	9.1	17	9.8	23	160	18	160	9
10	78	57	68	M	62	63	0	3	-	-	TSRA RA FG+ FG BR	0	M	0	1.1	29.45	29.88	5	19	5.6	24s	320	16	320	10
11	83	61	72	M	65	67	0	7	-	-	TS TSRA FG+ FG BR HZ VC	0	M	0	0.91	29.55	29.97	2.9	16	5.9	47	330	36	330	11
12	71	55	63	M	58	60	2	0	-	-	TSRA RA BR	0	M	0	0.67	29.59	30.03	2.6	27	7.1	34	320	21	150	12
13	74	48	61	M	50	56	4	0	-	-		0	M	0	0	29.58	30.05	4.2	23	6	20	210	15	220	13
14	67s	42	M	M	36	44	M	M	-	-		0	M	0	0	29.69	30.13	11.4	33	12.4	44	330	33	340	14
15	65	39*	52	M	39	47	13	0	-	-		0	M	0	0	29.73	30.18	2.8	32	6.2	25	350	18	350	15
16	55	48	52	M	44	48	13	0	-	-	RA BR	0	M	0	0.48	29.72	30.18	5.6	10	6.6	21	100	15	100	16
17	53	48	51*	M	48	49	14	0	-	-	RA BR	0	M	0	0.79	29.67	30.12	8.3	5	9.2	22	20	15	30	17
18	69	51	60	M	49	53	5	0	-	-	BR HZ	0	M	0	0	29.71	30.16	5.5	1	6	19	40	13	20	18
19	72	46	59	M	46	53	6	0	-	-	FG+ BR	0	M	0	0	29.66	30.12	3.8	7	4.3	20	50	15	60	19
20	69	54	62	M	54	56	3	0	-	-	RA	0	M	0	0.1	29.57	30.02	2.6	5	4.3	13	50	9	100	20
21	76	53	65	M	50	56	0	0	-	-		0	M	0	0	29.64	30.08	5.8	34	6.2	23	350	16	340	21
22	81	49	65	M	49	56	0	0	-	-		0	M	0	0	29.59	30.05	2.4	34	3.9	21	340	14	330	22
23	83	50	67	M	53	60	0	2	-	-	BR	0	M	0	0	29.53	29.98	1.9	23	2.8	17	230	12	240	23
24	83	58	71	M	60	63	0	6	-	-	RA	0	M	0	T	29.55	30.01	5.4	19	6.3	27	210	22	220	24
25	77	63	70	M	64	66	0	5	-	-	TS TSRA VCTS	0	M	0	0.22	29.58	30.02	7.2	17	7.9	28	200	21	190	25
26	75	65	70	M	63	65	0	5	-	-	TS TSRA RA BR	0	M	0	1.07	29.51	29.97	8.2	18	10.3	32	210	25	100	26
27	80	65	73	M	66	67	0	8	-	-	TSRA RA BR	0	M	0	0.83	29.45	29.9	6.3	17	6.9	32	180	24	210	27
28	82	66	74	M	66	68	0	9	-	-	RA	0	M	0	T	29.54	29.97	9	18	9.2	23	190	18	190	28
29	86	63	75	M	63	67	0	10	-	-	FG+ BR	0	M	0	0	29.62	30.05	2.3	30	3.5	15	330	12	320	29
30	87*	61	74	M	62	67	0	9	-	-	BR	0	M	0	0	29.57	30.01	0.7	14	2.3	16	120	14	120	30
31	85	67	76*	M	65	68	0	11	-	-		0	M	0	0	29.49	29.93	2.9	20	3.4	17	190	14	210	31

	74.4	53.6	64		53.5	57.9	3.4	3	<-----Monthly Averages   Totals----->				M	M	2.12s	29.55	30	0.7	25	6.4	<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: 06/2016</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		
	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	85	66	76	M	66	68	0	11	-	-	TSRA RA BR VCTS	0	M	0	0.11	29.52	29.95	2	24	3.5	26	170	20	170	1
2	84	66	75	M	64	68	0	10	-	-		0	M	0	0	29.59	30.02	2.2	35	3.8	18	340	14	350	2
3	78	65	72	M	65	67	0	7	-	-	RA BR	0	M	0	0.04	29.57	30.02	1.7	7	2.2	13	30	8	150	3
4	76	63	70	M	66	67	0	5	-	-	RA BR	0	M	0	0.79	29.41	29.87	4.6	24	5.2	26	280	17	290	4
5	79	61	70	M	60	64	0	5	-	-		0	M	0	0	29.39	29.83	5.1	29	6.2	26	320	15	310	5
6	87	58	73	M	59	64	0	8	-	-	TS	0	M	0	0.36	29.36	29.8	6.4	26	7.1	53	350	36	310	6
7	79	58	69	M	54	60	0	4	-	-		0	M	0	0	29.45	29.88	6.2	33	6.6	24	340	17	320	7
8	81	55*	68*	M	52	59	0	3	-	-		0	M	0	0	29.57	29.99	1.6	35	2.2	14	350	12	340	8
9	85	58	72	M	58	64	0	7	-	-		0	M	0	0	29.57	30.01	4.8	18	5.3	18	190	13	200	9
10	90	62	76	M	63	68	0	11	-	-		0	M	0	0	29.59	30.03	3.3	19	4	15	190	12	180	10
11	90	64	77	M	65	70	0	12	-	-		0	M	0	0	29.6	30.04	5.2	22	5.7	19	220	14	210	11
12	93	68	81	M	68	72	0	16	-	-	BR	0	M	0	0	29.59	30.03	2	26	3.3	12	230	10	270	12
13	93	71	82	M	71	74	0	17	-	-	BR	0	M	0	0	29.47	29.92	2	22	3.6	22	210	17	210	13
14	91	73	82	M	71	74	0	17	-	-	BR	0	M	0	T	29.38	29.83	6.2	20	6.6	23	220	18	240	14
15	93	74	84	M	74	76	0	19	-	-	TS	0	M	0	0.21	29.39	29.82	5.9	20	6.9	28	200	23	220	15
16	97*	73	85	M	72	76	0	20	-	-		0	M	0	0	29.4	29.83	4	28	5.4	20	280	16	240	16
17	87	70	79	M	64	69	0	14	-	-		0	M	0	0	29.53	29.95	6.5	3	6.8	21	30	14	30	17
18	90	66	78	M	62	68	0	13	-	-	BR	0	M	0	0	29.68	30.1	3.4	7	3.8	21	100	16	60	18
19	90	69	80	M	67	71	0	15	-	-	BR	0	M	0	0	29.77	30.19	7.3	19	7.4	22	210	18	210	19
20	92	71	82	M	69	73	0	17	-	-		0	M	0	0	29.68	30.15	8.3	21	8.6	25	200	17	240	20
21	87	74	81	M	70	73	0	16	-	-		0	M	0	0	29.57	30.03	3.8	26	4.9	20	230	14	250	21
22	95	73	84	M	72	76	0	19	-	-		0	M	0	0	29.48	29.92	11	21	11.3	30	200	22	200	22
23	94	76	85*	M	72	76	0	20	-	-		0	M	0	0	29.48	29.91	9.3	25	11.2	25	220	18	250	23
24	93	70	82	M	66	71	0	17	-	-		0	M	0	0	29.58	30	2.8	31	4.6	21	320	12	280	24
25	94	73	84	M	70	73	0	19	-	-	TSRA RA VCTS	0	M	0	0.05	29.61	30.03	3	18	5.1	32s	190	25	180	25
26	94	72	83	M	71	75	0	18	-	-	RA	0	M	0	0.1	29.59	30.03	4.4	23	5.5	34s	250	25	260	26
27	89	71	80	M	68	72	0	15	-	-	RA BR VCTS	0	M	0	0.21	29.62	30.06	2.6	8	4.4	24	20	18	40	27
28	90	68	79	M	63	69	0	14	-	-		0	M	0	0	29.62	30.05	5.6	35	6.7	22	320	17	320	28
29	83	60	72	M	55	62	0	7	-	-		0	M	0	0	29.64	30.08	3.4	3	4.1	16	300	12	20	29
30	82	58	70	M	60	65	0	5	-	-		0	M	0	0.02	29.54	30	3.1	19	4.7	14	130	12	230	30
	88	66.9	77.5		65.2	69.5	0	12.7	<-----Monthly Averages   Totals----->			M	M	0.38s	29.54	29.98	2.2	24	5.6	<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: 07/2016</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 Equip	Snow Fall	Water Equip						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	62	74	M	60	66	0	9	-	-	RA	0	M	0	T	29.59	30.01	5.2	35	6.3	21	230	16	340	1
2	75	59*	67*	M	59	63	0	2	-	-	RA	0	M	0	0.2	29.64	30.08	3.9	7	4.7	16	70	13	100	2
3	83	64	74	M	67	69	0	9	-	-	TSRA RA BR	0	M	0	1.65	29.47	29.93	3	10	5	31	310	21	320	3
4	81	70	76	M	71	72	0	11	-	-	RA BR VCTS	0	M	0	1.13	29.44	29.87	4.1	20	5.7	23	20	17	200	4
5	90	69	80	M	72	74	0	15	-	-	FG+ FG BR	0	M	0	0	29.47	29.91	3.8	20	4.9	15	200	12	190	5
6	86	69	78	M	71	72	0	13	-	-	TSRA RA BR VCTS	0	M	0	4.26	29.44	29.89	4.2	16	7.5	53	240	40	230	6
7	83	69	76	M	72	73	0	11	-	-	TS TSRA RA FG+ BR	0	M	0	0.18	29.46	29.87	4	20	6.3	35	300	26	300	7
8	90	70	80	M	70	73	0	15	-	-	TSRA RA	0	M	0	0.04	29.46	29.92	5.6	25	8.7	36	220	28	220	8
9	87	68	78	M	68	71	0	13	-	-	BR	0	M	0	0	29.58	30.01	1.4	31	2.9	12	290	9	300	9
10	89	70	80	M	69	73	0	15	-	-	BR	0	M	0	0	29.55	30	4.1	15	4.8	26	120	14	180	10
11	90	70	80	M	71	74	0	15	-	-	BR	0	M	0	0	29.52	29.96	7.2	17	7.5	20	160	16	160	11
12	88	73	81	M	72	74	0	16	-	-	TS TSRA BR	0	M	0	0.7	29.52	29.94	6.3	21	8.1	35s	290	24	280	12
13	92	70	81	M	71	74	0	16	-	-	RA VCTS	0	M	0	0.12	29.52	29.97	8.6	21	10.9	42	300	29	260	13
14	90	71	81	M	71	74	0	16	-	-		0	M	0	0	29.52	29.95	2.1	29	4.6	17	320	13	320	14
15	89	69	79	M	70	72	0	14	-	-		0	M	0	0	29.57	30	1.4	31	3	16	350	13	350	15
16	87	68	78	M	67	71	0	13	-	-		0	M	0	0	29.62	30.06	3	8	3.7	19	80	10	120	16
17	91	70	81	M	72	75	0	16	-	-		0	M	0	0	29.65	30.08	6.7	19	7.6	20	210	16	210	17
18	93	74	84	M	74	76	0	19	-	-	TS BR VCTS	0	M	0	T	29.72	30.15	1.7	21	4.7	25	80	20	90	18
19	93	74	84	M	74	77	0	19	-	-	RA BR VCTS	0	M	0	T	29.73	30.17	0.6	8	2.8	33	340	26	340	19
20	87	73	80	M	72	74	0	15	-	-	RA	0	M	0	T	29.72	30.16	0.7	16	2.5	22	100	18	100	20
21	94*	72	83	M	74	77	0	18	-	-	BR	0	M	0	0	29.64	30.09	4.4	20	4.9	18	210	13	220	21
22	86	74	80	M	75	76	0	15	-	-	TSRA BR	0	M	0	0.47	29.57	30.02	1.5	26	3.3	23	340	17	340	22
23	92	71	82	M	74	77	0	17	-	-	FG+ FG BR HZ	0	M	0	0	29.51	29.96	1.1	12	1.9	10	120	8	140	23
24	93	74	84	M	75	77	0	19	-	-	BR	0	M	0	0	29.52	29.94	4.3	19	4.6	17	190	12	210	24
25	92	76	84*	M	75	77	0	19	-	-	BR VCTS	0	M	0	0	29.53	29.97	0.9	29	3.5	26	320	21	320	25
26	88	74	81	M	74	76	0	16	-	-	TS RA BR	0	M	0	0.09	29.54	29.99	0.6	28	3.3	17	330	14	190	26
27	91	73	82	M	73	75	0	17	-	-	TS FG+ FG BR	0	M	0	T	29.51	29.94	1.1	16	3.4	27	140	20	160	27
28	89	72	81	M	71	73	0	16	-	-	RA VCTS	0	M	0	0.01	29.45	29.89	2.4	20	4.7	26	30	20	20	28
29	86	71	79	M	72	73	0	14	-	-	RA VCTS	0	M	0	0.65	29.49	29.91	1.6	22	3.9	33	330	28	330	29
30	87	69	78	M	69	72	0	13	-	-	RA BR VCTS	0	M	0	0.48	29.52	29.95	1.7	30	3.2	16	10	13	10	30
31	91	70	81	M	71	73	0	16	-	-	BR	0	M	0	T	29.55	29.99	1.4	23	2.3	17	200	14	210	31

	88.4	70.3	79.4		70.8	73.3	0	14.6	<-----Monthly Averages   Totals----->				M	M	1.82s	29.55	29.98	1.8	20	4.9	<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: 08/2016</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 Equip	Snow Fall	Water Equip	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	85	72	79	M	72	73	0	14	-	-	TSRA BR	0	M	0	0.63	29.59	30.03	0.1	28	2.8	22	310	16	340	1
2	88	73	81	M	74	76	0	16	-	-	BR	0	M	0	0	29.59	30.03	1.5	1	2.7	16	330	12	310	2
3	88	73	81	M	73	75	0	16	-	-	TS RA BR VCTS	0	M	0	0.02	29.54	29.99	1.9	7	3	18	70	14	80	3
4	91	72	82	M	73	76	0	17	-	-	FG+ BR	0	M	0	0	29.49	29.94	0.4	19	1.1	14	330	8	250	4
5	89	75	82	M	75	76	0	17	-	-	BR	0	M	0	0	29.48	29.91	2	33	3	19	30	14	360	5
6	85	69	77	M	70	73	0	12	-	-		0	M	0	T	29.51	29.94	3.3	35	4.1	15	350	13	350	6
7	87	65	76	M	67	70	0	11	-	-		0	M	0	0	29.52	29.96	2.9	3	3.7	11	50	8	40	7
8	88	67	78	M	66	70	0	13	-	-	BR	0	M	0	0	29.5	29.94	2	6	2.3	13	70	10	60	8
9	90	66	78	M	69	72	0	13	-	-	FG BR	0	M	0	0	29.53	29.96	0.6	4	1	9	120	7	360	9
10	92*	69	81	M	71	74	0	16	-	-	FG+ BR	0	M	0	0	29.58	30.01	1.1	10	2.2	12	130	10	120	10
11	91	73	82	M	74	76	0	17	-	-	BR	0	M	0	0	29.52	29.96	4.9	15	5.2	17	170	13	180	11
12	89	75	82	M	74	76	0	17	-	-	TS	0	M	0	0.01	29.41	29.85	6	16	6.9	21	160	17	170	12
13	77	71	74	M	72	73	0	9	-	-	TS RA BR VCTS	0	M	0	0.76	29.47	29.9	1.2	16	4	15	200	13	190	13
14	77	69	73	M	69	70	0	8	-	-	RA BR	0	M	0	1.93	29.59	30.02	5	3	6.6	15	90	13	350	14
15	79	72	76	M	71	72	0	11	-	-	RA BR	0	M	0	1.02	29.55	29.99	8.7	19	10.2	38	220	29	220	15
16	76	69	73	M	69	71	0	8	-	-	RA BR	0	M	0	0.48	29.67	30.09	3.8	21	4.6	12	180	10	180	16
17	83	67	75	M	69	71	0	10	-	-	FG+ BR	0	M	0	0	29.66	30.11	1.3	20	2.4	9	190	8	190	17
18	82	71	77	M	71	73	0	12	-	-		0	M	0	0	29.6	30.06	5.2	21	5.5	15	220	13	190	18
19	83	70	77	M	71	73	0	12	-	-	RA	0	M	0	0.02	29.47	29.93	5.8	18	6.4	19s	180	16	180	19
20	85	72	79	M	70	72	0	14	-	-	RA BR	0	M	0	0.06	29.35	29.79	6.5	23	8.6	23	230	17	230	20
21	80	60	70	M	61	65	0	5	-	-	BR	0	M	0	0	29.59	30	4.9	33	5	17	330	14	310	21
22	82	57*	70	M	60	64	0	5	-	-	FG+ FG BR	0	M	0	0	29.72	30.15	1.1	13	1.6	11	150	8	170	22
23	80	60	70*	M	66	68	0	5	-	-		0	M	0	0	29.72	30.16	5.1	14	5.3	15	180	12	180	23
24	90	73	82*	M	73	75	0	17	-	-		0	M	0	0	29.62	30.06	9.9	21	10.4	27s	210	21	200	24
25	89	68	79	M	72	74	0	14	-	-	BR	0	M	0	0	29.62	30.06	5.2	21	5.8	17	240	14	200	25
26	90	70	80	M	72	74	0	15	-	-	TS TSRA RA FG+ BR	0	M	0	1.5	29.64	30.06	1.5	16	2.5	34	280	26	300	26
27	87	68	78	M	71	73	0	13	-	-	FG BR	0	M	0	0	29.62	30.05	0.7	14	1.8	11	180	9	180	27
28	91	70	81	M	73	75	0	16	-	-	FG+ BR	0	M	0	0	29.67	30.11	1.8	9	2.7	11	80	9	90	28
29	90	69	80	M	72	74	0	15	-	-	FG+ FG BR	0	M	0	0	29.68	30.12	2.7	5	3.6	13	50	10	50	29
30	91	69	80	M	71	73	0	15	-	-	FG+ BR	0	M	0	0	29.62	30.07	1.5	34	2.1	18	330	14	320	30
31	87	69	78	M	70	72	0	13	-	-	RA FG+ FG BR	0	M	0	0.06	29.57	30.01	4.8	34	5.1	29	350	22	350	31

	85.9	69.1	77.5		70.4	72.5	0	12.8	Averages   Totals---->			M	M	6.49s	29.57	30.01	1	18	4.3	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: 09/2016</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 Equip	Snow Fall	Water Equip																				
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	61	71	M	61	65	0	6	-	-		0	M	0	T	29.62	30.05	7.6	2	7.6	22	40	16	40	1
2	78	58	68	M	58	62	0	3	-	-		0	M	0	0	29.65	30.1	6.8	3	7.4	22	20	17	50	2
3	81	54	68	M	59	62	0	3	-	-	FG+ FG BR	0	M	0	0	29.65	30.1	2.6	5	2.9	16	70	12	70	3
4	87	56	72	M	64	67	0	7	-	-	FG+ FG BR	0	M	0	0	29.64	30.09	2.3	12	2.7	13	110	9	120	4
5	88	69	79	M	70	72	0	14	-	-	RA	0	M	0	0.02	29.67	30.1	5.6	17	6.3	32	210	25	200	5
6	89	68	79	M	70	73	0	14	-	-		0	M	0	0	29.67	30.12	6.7	20	7.2	24	210	20	220	6
7	90	69	80	M	72	74	0	15	-	-		0	M	0	0	29.62	30.07	8	20	8.2	22	200	18	180	7
8	88	70	79	M	72	74	0	14	-	-	TSRA RA FG BR VCTS	0	M	0	0.87	29.52	29.96	5.9	23	6.9	23	210	18	190	8
9	88	71	80*	M	74	75	0	15	-	-	TSRA RA BR	0	M	0	0.5	29.47	29.93	4	17	7.2	24	340	17	340	9
10	78	58	68	M	66	68	0	3	-	-	RA BR	0	M	0	0.03	29.6	30.01	5.5	29	7.8	31	320	23	320	10
11	78	53	66	M	59	61	0	1	-	-	FG+ BR	0	M	0	0	29.72	30.16	0.2	2	1.2	9	30	7	30	11
12	80	53	67	M	59	61	0	2	-	-	FG+ FG BR	0	M	0	0	29.64	30.09	0.8	15	2.1	16	130	10	180	12
13	88	56	72	M	66	68	0	7	-	-	FG+ FG BR	0	M	0	0	29.65	30.09	0	10	1.4	12	240	8	220	13
14	83	66	75	M	71	72	0	10	-	-	BR	0	M	0	T	29.68	30.12	1.9	7	2.6	17	50	14	50	14
15	79	69	74	M	71	72	0	9	-	-	RA BR	0	M	0	T	29.65	30.09	2.8	9	3.7	14	100	12	120	15
16	85	66	76	M	71	71	0	11	-	-	TS RA FG+ FG BR	0	M	0	1.17	29.55	29.99	1.7	6	5.1	38	130	30	120	16
17	81	64	73	M	68	70	0	8	-	-	RA FG+ BR	0	M	0	0.51	29.55	29.99	1.5	24	2.8	13	150	10	150	17
18	80	60	70	M	66	67	0	5	-	-	FG+ FG BR	0	M	0	0	29.54	29.99	0.3	3	0.4	8	10	6	350	18
19	84	57	71	M	65	66	0	6	-	-	FG+ FG BR	0	M	0	0	29.62	30.06	0.7	24	1.1	18	160	7	190	19
20	87	59	73	M	66	68	0	8	-	-	FG+ BR	0	M	0	0	29.67	30.11	0.7	15	1.3	11	210	8	210	20
21	87	60	74	M	65	67	0	9	-	-	FG+ FG BR	0	M	0	0	29.65	30.1	1.3	8	1.7	13	130	9	60	21
22	86	59	73	M	66	68	0	8	-	-	FG+ FG BR	0	M	0	0	29.59	30.03	1	21	1.4	16	200	12	210	22
23	88	59	74	M	67	69	0	9	-	-	FG+ FG BR	0	M	0	0	29.6	30.04	0.2	29	0.6	10	280	7	270	23
24	90*	63	77	M	69	71	0	12	-	-	FG+ FG BR HZ	0	M	0	0	29.62	30.06	0.3	15	1.1	11	140	8	200	24
25	88	64	76	M	69	71	0	11	-	-	TS FG+ BR VCTS	0	M	0	0	29.59	30.03	2.1	25	3.9	16	310	13	320	25
26	73	49	61	M	55	58	4	0	-	-	RA BR VCTS	0	M	0	0.61	29.67	30.11	5.5	33	6	33	360	26	360	26
27	78	47*	63	M	52	56	2	0	-	-		0	M	0	0	29.49	29.96	4.6	24	5.5	25	250	18	250	27
28	70	52	61	M	51	55	4	0	-	-		0	M	0	0	29.52	29.95	5.6	32	8.8	26	330	21	330	28
29	67	51	59*	M	55	56	6	0	-	-	RA BR	0	M	0	T	29.67	30.1	8.2	32	8.4	23	340	17	330	29
30	69	58	64	M	60	60	1	0	-	-	RA BR	0	M	0	0.23	29.59	30.05	6.5	31	6.9	20	330	16	330	30
	82.3	60	71.2		64.6	66.6	0.6	7	<-----Monthly Averages   Totals----->			M	M	3.94s	29.61	30.05	0.7	28	4.3	<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: 10/2016</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		
	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	69	57	63	M	61	62	2	0	-	-	RA BR	0	M	0	T	29.59	30.03	5.1	27	5.2	17	250	13	270	1
2	70	54	62	M	60	61	3	0	-	-	FG BR	0	M	0	0	29.63	30.08	1.4	27	1.8	11	240	9	260	2
3	77	54	66	M	59	60	0	1	-	-	FG+ FG BR	0	M	0	0	29.58	30.04	0.5	9	1.5	12	130	9	180	3
4	82	51	67	M	60	62	0	2	-	-	FG+ FG	0	M	0	0	29.51	29.96	4	12	4.5	16	90	12	150	4
5	82	63	73	M	65	67	0	8	-	-	BR	0	M	0	T	29.57	30	6.8	17	7.8	22	200	16	220	5
6	85	59	72	M	62	66	0	7	-	-	BR	0	M	0	0	29.6	30.04	5	16	6	18	210	15	210	6
7	78	49	64	M	57	60	1	0	-	-	BR	0	M	0	0.00s	29.68	30.11	7.2	33	7.8	30	310	22	320	7
8	71	41	56	M	44	49	9	0	-	-	BR	0	M	0	0	29.83	30.27	4.8	1	5.2	23	40	16	30	8
9	75	40	58	M	47	51	7	0	-	-	FG BR	0	M	0	0	29.88	30.33	0.4	26	0.9	10	270	8	270	9
10	76	43	60	M	50	54	5	0	-	-	FG BR	0	M	0	0	29.83	30.29	3.3	15	3.6	24	120	14	130	10
11	80	48	64	M	53	58	1	0	-	-	FG+ BR	0	M	0	0	29.7	30.16	5.1	18	5.5	20	200	16	210	11
12	76	54	65	M	57	60	0	0	-	-	RA	0	M	0	0.03	29.67	30.1	4.2	21	9	26	350	21	210	12
13	61	41	51	M	47	49	14	0	-	-	FG BR	0	M	0	T	29.82	30.26	4.1	1	4.8	21	330	16	340	13
14	61	42	52	M	53	53	13	0	-	-	RA BR	0	M	0	0.03	29.73	30.19	1.2	13	1.8	11	140	9	140	14
15	78	61	70	M	62	64	0	5	-	-	BR	0	M	0	0	29.64	30.09	8.9	19	9.3	28	220	22	210	15
16	82	61	72	M	64	67	0	7	-	-	BR	0	M	0	0	29.51	29.97	10.7	19	11	30	210	22	200	16
17	85	67	76	M	64	68	0	11	-	-	BR	0	M	0	0	29.34	29.8	16.5	20	16	38	200	31	200	17
18	84	67	76*	M	67	70	0	11	-	-	RA	0	M	0	0.00s	29.41	29.83	13.3	21	13.4	33	220	26	220	18
19	85*	63	74	M	68	69	0	9	-	-	BR	0	M	0	0.12	29.52	29.95	0.6	28	4.6	18	310	14	330	19
20	63	50	57	M	56	57	8	0	-	-	RA BR VCTS	0	M	0	0.46	29.62	30.04	8.7	34	9.2	26	350	18	350	20
21	59	38	49*	M	42	46	16	0	-	-	BR	0	M	0	0	29.73	30.18	6.9	33	7.1	23	320	17	340	21
22	66	34*	50	M	42	46	15	0	-	-	BR	0	M	0	0	29.68	30.15	2.3	20	3.3	16	200	12	230	22
23	76	45	61	M	46	53	4	0	-	-	BR	0	M	0	0	29.66	30.11	9.1	21	9.4	26	190	21	200	23
24	69	43	56	M	48	51	9	0	-	-	FG BR	0	M	0	0	29.85	30.28	4	2	4.8	20	50	15	40	24
25	69	38	54	M	46	49	11	0	-	-	FG BR	0	M	0	0	29.83	30.28	2.6	9	3.3	18	100	12	110	25
26	77	42	60	M	52	55	5	0	-	-	RA BR	0	M	0	0.27	29.66	30.13	4.4	20	5.1	40	250	29	250	26
27	62	42	52	M	52	53	13	0	-	-	BR	0	M	0	0	29.78	30.23	3.5	33	5.1	17	360	13	350	27
28	75	42	59	M	55	57	6	0	-	-	BR	0	M	0	0	29.72	30.19	5.5	18	6	19	200	16	200	28
29	81	55	68	M	58	61	0	3	-	-	RA HZ	0	M	0	0.00s	29.62	30.08	9.2	21	9.5	28	240	22	220	29
30	79	58	69	M	59	63	0	4	-	-	BR	0	M	0	0	29.64	30.08	3	27	6.7	19	350	15	350	30
31	77	53	65	M	59	61	0	0	-	-	BR	0	M	0	0	29.55	30.01	2	14	3.6	12	190	9	190	31

	74.5	50.2	62.4		55.3	58.1	4.6	2.2	<-----Monthly Averages   Totals----->				M	M	0.91s	29.65	30.11	2.4	21	6.2	<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: 11/2016</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>														
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	82*	58	70*	M	57	62	0	5	-	-		0	M	0	0.00s	29.6	30.03	11	20	10.9	32	220	24	200	1
2	79	55	67	M	59	63	0	2	-	-	RA	0	M	0	T	29.72	30.15	8.8	20	9.4	32	220	24	220	2
3	71	53	62	M	61	62	3	0	-	-	RA FG BR	0	M	0	0.01	29.77	30.2	2.9	34	4.6	18	350	16	360	3
4	67	40	54	M	47	50	11	0	-	-	FG+ BR	0	M	0	0	29.93	30.37	3.1	3	3.6	16	40	14	40	4
5	62	34	48	M	42	45	17	0	-	-	BR	0	M	0	0	29.91	30.37	0.5	5	0.7	12	50	9	50	5
6	67	34	51	M	42	46	14	0	-	-	FG+ FG BR	0	M	0.0s	0.00s	29.85	30.32	1.5	11	2.1	13	130	10	110	6
7	72	38	55	M	45	49	10	0	-	-	FG BR	0	M	0	0	29.82	30.27	1.1	17	1.2	14	160	12	160	7
8	68	50	59	M	52	54	6	0	-	-	BR	0	M	0	T	29.78	30.24	3.3	33	4.2	15	340	12	340	8
9	60	33	47	M	41	45	18	0	-	-	BR	0	M	0	0	29.87	30.32	5.5	35	6	19	350	16	340	9
10	64	28	46	M	37	42	19	0	-	-	BR	0	M	0	0	29.77	30.24	4.9	22	5.3	17	230	14	220	10
11	66	39	53	M	40	46	12	0	-	-		0	M	0	0	29.78	30.22	6.9	1	8.5	22	360	17	360	11
12	55	28	42	M	32	37	23	0	-	-	BR	0	M	0	0	29.92	30.38	4.1	3	5.3	17	70	13	40	12
13	60	24	42	M	29	35	23	0	-	-	BR	0	M	0	0	29.75	30.24	1.6	17	2	14	210	10	220	13
14	65	27	46	M	36	42	19	0	-	-	BR HZ VCTS	0	M	0	0.1	29.55	30.03	5	19	5.7	19	250	14	190	14
15	65	38	52	M	43	46	13	0	-	-	FG+ FG BR HZ	0	M	0	0	29.51	29.97	2.3	32	3.2	19	320	14	300	15
16	73	37	55	M	44	48	10	0	-	-	RA	0	M	0	0.00s	29.49	29.95	1.7	18	2.8	11	250	9	250	16
17	77	48	63	M	48	55	2	0	-	-		0	M	0	0	29.46	29.91	11.5	18	11.8	36	200	26	190	17
18	73	44	59	M	50	54	6	0	-	-	TSRA RA BR	0	M	0	0.3	29.56	29.98	13.1	22	17.8	40	200	31	200	18
19	48	34	41	M	25	35	24	0	-	-		0	M	0	0	29.91	30.35	11.1	30	11.2	32	330	22	310	19
20	46	25	36	M	22	30	29	0	-	-		0	M	0	0	29.9	30.36	2.3	34	3.3	14	330	12	310	20
21	51	20*	36*	M	26	32	29	0	-	-		0	M	0	0	29.8	30.28	3.4	9	4	13	120	10	80	21
22	56	31	44	M	29	37	21	0	-	-	RA BR	0	M	0	0.18	29.72	30.19	7	11	7.3	19	110	15	130	22
23	54	44	49	M	48	48	16	0	-	-	RA BR	0	M	0	0.8	29.57	30.02	5.7	20	9.7	23	180	17	330	23
24	45	42	44	M	40	42	21	0	-	-		0	M	0	0	29.8	30.24	3.3	33	4.2	18	310	15	310	24
25	47	40	44	M	39	42	21	0	-	-		0	M	0	0	29.93	30.37	3.5	33	4.1	14	340	10	350	25
26	48	32	40	M	35	38	25	0	-	-	BR	0	M	0	0	29.9	30.37	3.1	20	3.8	14	220	12	210	26
27	48	27	38	M	36	39	27	0	-	-	RA BR	0	M	0	T	29.55	30.07	9.6	17	9.8	27	160	20	160	27
28	54	45	50	M	48	49	15	0	-	-	RA BR	0	M	0	1.52	29.05	29.55	12.3	18	13.8	36	170	28	180	28
29	59	47	53	M	48	50	12	0	-	-		0	M	0	0	29.18	29.62	9.8	19	10.5	27	200	22	190	29
30	52	34	43	M	35	40	22	0	-	-		0	M	0	0	29.34	29.77	6	28	6.9	24	280	17	260	30
	61.1	37.6	49.4		41.2	45.4	15.6	0.2	<-----Monthly Averages   Totals----->			M	M	2.91s	29.69	30.15	2.1	21	6.5	<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: 12/2016</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		
	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	46	28	37	M	28	33	28	0	-	-		0	M	0	0	29.6	30.05	5.7	25	5.7	20	250	17	240	1
2	50	23	37	M	30	34	28	0	-	-	BR	0	M	0	0	29.83	30.27	1.6	36	1.9	13	360	9	360	2
3	44	27	36	M	32	35	29	0	-	-	BR	0	M	0	0	29.85	30.32	2.9	8	3.3	13	110	10	110	3
4	43	38	41	M	37	39	24	0	-	-	RA BR	0	M	0	0.11	29.57	30.05	0.7	21	7.2	17	310	13	110	4
5	43	33	38	M	36	38	27	0	-	-	RA	0	M	0	T	29.49	29.99	5.1	9	6	17	120	14	130	5
6	42	35	39	M	37	38	26	0	-	-	RA BR	0	M	0	0.2	29.49	29.92	7.6	33	8.4	24	330	18	330	6
7	39	25	32	M	24	31	33	0	-	-		0	M	0	0	29.8	30.22	3.7	33	4.5	18	320	14	310	7
8	33	22	28	M	15	23	37	0	-	-		0	M	0	0	30.03	30.49	9.7	31	10	24	330	20	320	8
9	32	16	24	M	15	21	41	0	-	-		0	M	0	0	30.15	30.62	3.3	30	3.9	15	280	10	270	9
10	37	16	27	M	19	26	38	0	-	-		0	M	0	0	30.03	30.49	5.1	16	5.3	20	180	16	180	10
11	44	37	41	M	30	36	24	0	-	-	RA BR	0	M	0	0.24	29.54	30.03	11.9	19	12.7	30	200	23	190	11
12	44	30	37	M	31	34	28	0	-	-		0	M	0	0	29.64	30.13	4.5	34	6.6	21	320	15	340	12
13	42	22	32	M	30	32	33	0	-	-	RA SN BR	0	M	M	0.01	29.72	30.17	8	1	9.4	25	340	21	350	13
14	31	17	24	M	14	22	41	0	-	-		0	M	0	0	29.85	30.31	5.2	35	6.1	24	340	18	350	14
15	24	14	19	M	6	16	46	0	-	-		0	M	0	0	30.01	30.49	4.4	1	6.5	21	350	16	350	15
16	42	18	30	M	16	24	35	0	-	-	BR	0	M	0	T	29.47	30.03	8.3	15	8.8	24	130	18	130	16
17	66	22	44	M	40	41	21	0	-	-	RA FZRA BR UP	0	M	M	0.06	29.32	29.75	6.9	29	15.6	35	190	24	320	17
18	22	8	15	M	9	14	50	0	-	-	SN	0	M	M	T	30.13	30.53	12.4	33	12.8	34	320	24	320	18
19	23	6*	15*	M	7	12	50	0	-	-		0	M	0	0	30.25	30.72	2.1	1	2.6	12	10	9	360	19
20	41	8	25	M	16	22	40	0	-	-		0	M	0	0	29.93	30.43	6.4	20	6.8	21	180	17	200	20
21	46	18	32	M	25	29	33	0	-	-	BR	0	M	0	0	29.7	30.2	5.7	19	7	18	200	15	210	21
22	44	30	37	M	28	33	28	0	-	-		0	M	0	0	29.93	30.38	3.7	34	4.4	19	340	14	350	22
23	44	31	38	M	34	36	27	0	-	-	RA BR	0	M	0	0.25	29.7	30.19	2.7	15	4.6	22	180	16	180	23
24	46	34	40	M	41	42	25	0	-	-	FG+ BR	0	M	0	0.01	29.76	30.22	2.4	10	4.8	14	250	10	60	24
25	64	40	52	M	49	49	13	0	-	-	RA FG+ FG BR	0	M	0	0.02	29.7	30.16	5.6	14	7.1	27	170	21	180	25
26	69*	46	58*	M	55	58	7	0	-	-	RA BR	0	M	0	0.01	29.65	30.09	8.6	21	12.4	40	190	29	200	26
27	48	25	37	M	27	34	28	0	-	-		0	M	0	0	29.82	30.27	3.4	29	4.7	23	330	17	330	27
28	51	22	37	M	33	36	28	0	-	-	RA	0	M	0	T	29.57	30.04	4.8	20	7.1	24	170	18	170	28
29	48	35	42	M	23	34	23	0	-	-		0	M	0	0	29.72	30.17	12.1	29	12.3	37	280	26	290	29
30	48	31	40	M	21	33	25	0	-	-		0	M	0	0	29.67	30.15	9.2	22	12.2	37	200	29	200	30
31	46	37	42	M	34	39	23	0	-	-	RA	0	M	0	T	29.45	29.91	13.2	20	13.4	39	210	30	210	31

	43.3	25.6	34.5		27.2	32.1	30.3	0	<-----Monthly Averages   Totals----->				M	M	0.91s	29.75	30.22	1.7	26	7.6	<Monthly Average			
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\* EXTREME FOR THE MONTH - LAST OCCURRENCE IF MORE THAN ONE. **Data Version: VER2**