

QUALITY CONTROLLED LOCAL CLIMATOLOGICAL DATA (final) NOAA, National Climatic Data Center Month: 11/2013	Station Location: SOUTHERN ILLINOIS AIRPORT (93810) CARBONDALE/MURPHYBORO, IL Lat. 37.779 Lon. -89.249 Elevation(Ground): 406 ft. above sea level
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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

QUALITY CONTROLLED LOCAL CLIMATOLOGICAL DATA (final) NOAA, National Climatic Data Center Month: 12/2013	Station Location: SOUTHERN ILLINOIS AIRPORT (93810) CARBONDALE/MURPHYBORO, IL Lat. 37.779 Lon. -89.249 Elevation(Ground): 406 ft. above sea level
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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**

QUALITY CONTROLLED LOCAL CLIMATOLOGICAL DATA (final) NOAA, National Climatic Data Center Month: 01/2014	Station Location: SOUTHERN ILLINOIS AIRPORT (93810) CARBONDALE/MURPHYBORO, IL Lat. 37.779 Lon. -89.249 Elevation(Ground): 406 ft. above sea level
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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	30	38	M	29	35	27	0	-	-	RA	0	M	0	0.03	29.64	30.12	7.3	19	8.6	21	200	18	190	1
2	37	14	26	M	14	20	39	0	-	-	FZRA SN BR	0	M	M	T	29.83	30.26	15.3	33	15.5	33	330	25	320	2
3	29	9	19	M	11	18	46	0	-	-		0	M	0	0	29.89	30.38	7.5	18	9.4	27	180	22	180	3
4	42	26	34	M	18	28	31	0	-	-	RA	0	M	M	0.03	29.57	30.07	12.6	19	13.2	39	200	31	200	4
5	34	6	20	M	19	23	45	0	-	-	RA SN FZFG BR	0	M	M	0.95	29.52	29.96	13.3	32	15	42	320	30	330	5
6	6	-2*	2*	M	-10	0	63	0	-	-	UP	0	M	M	Ts	30.03	30.49	10	30	10.7	35	320	25	320	6
7	23	-1	11	M	1	10	54	0	-	-		0	M	0	0	29.93	30.43	13.5	20	13.7	30	180	24	190	7
8	34	22	28	M	18	24	37	0	-	-	SN BR	0	M	M	T	29.95	30.41	7.8	20	8.1	25	210	21	210	8
9	35	30	33	M	28	31	32	0	-	-	RA SN BR UP	0	M	M	0.03	29.83	30.33	5.4	15	6.4	22	190	17	190	9
10	48	33	41	M	39	40	24	0	-	-	RA BR	0	M	0	0.56	29.39	29.93	8.9	16	9.6	22s	180	18	150	10
11	50	36	43	M	33	39	22	0	-	-		0	M	0	0.01	29.34	29.78	8.9	25	9.4	23	200	18	200	11
12	53	27	40	M	32	39	25	0	-	-		0	M	0	0	29.44	29.9	12.3	18	13.1	38	190	29	190	12
13	58	33	46*	M	36	43	19	0	-	-		0	M	0	0	29.33	29.78	10.7	21	13.7	41	210	32	210	13
14	49	27	38	M	26	34	27	0	-	-	RA	0	M	M	T	29.49	29.93	5	28	8.3	27	330	21	250	14
15	32	20	26	M	15	24	39	0	-	-		0	M	M	T	29.67	30.13	4.8	31	7.5	22	300	16	330	15
16	47	22	35	M	22	31	30	0	-	-	UP	0	M	M	T	29.38	29.86	9.6	22	12.3	34	310	25	200	16
17	36	15	26	M	10	18	39	0	-	-	SN	0	M	M	T	29.62	30.07	8	29	9.2	30	290	22	320	17
18	43	14	29	M	19	27	36	0	-	-	RA	M	M	M	T	29.42	29.9	8.2	21	11.2	37	190	28	190	18
19	45	25	35	M	22	31	30	0	-	-		0	M	0	0	29.51	29.99	8.7	23	13.4	34	320	25	330	19
20	54	27	41	M	28	36	24	0	-	-		0	M	0	0	29.46	29.91	2.1	29	5.5	26	220	18	230	20
21	40	6	23	M	11	17	42	0	-	-	SN BR	M	M	M	T	29.8	30.22	12.6	33	14.1	44s	350	32	350	21
22	31	15	23	M	13	20	42	0	-	-		M	M	0	0	29.71	30.16	4	24	7.6	27	330	21	320	22
23	23	2	13	M	-1	7	52	0	-	-		0	M	0	0	30.22	30.66	9.8	33	10.2	31	330	24	340	23
24	30	2	16	M	2	14	49	0	-	-		0	M	0	0	29.8	30.36	15	20	15.2	37	200	29	200	24
25	49	20	35	M	11	27	30	0	-	-		0	M	0	0	29.41	29.91	8.2	27	12.9	37	220	25	340	25
26	59*	22	41	M	22	36	24	0	-	-		0	M	0	0	29.28	29.72	8.5	22	11.8	52	350	43	350	26
27	33	10	22	M	-2	13	43	0	-	-		0	M	0	0	29.93	30.34	16.3	35	16.7	42	350	33	350	27
28	19	3	11	M	-5	8	54	0	-	-		M	M	0	0	30	30.47	3.5	35	5.1	16	10	13	10	28
29	32	2	17	M	1	15	48	0	-	-		M	M	0	0	29.86	30.36	8.7	20	9.3	24	200	18	200	29
30	41	20	31	M	7	25	34	0	-	-		M	M	0	0	29.56	30.06	18.9	20	19.4	45	200	39	200	30
31	44	26	35	M	20	31	30	0	-	-	BR UP	M	M	M	T	29.57	30.05	2.6	15	4.2	16	200	13	200	31

	38.8	17.5	28.2		15.8	24.6	36.7	0	<-----Monthly Averages Totals----->						M	M	1.61s	29.65	30.12	4.8	24	11	<Monthly Average			
	M	M	M		<-----Departure From Normal----->						M															

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

QUALITY CONTROLLED LOCAL CLIMATOLOGICAL DATA (final) NOAA, National Climatic Data Center Month: 02/2014	Station Location: SOUTHERN ILLINOIS AIRPORT (93810) CARBONDALE/MURPHYBORO, IL Lat. 37.779 Lon. -89.249 Elevation(Ground): 406 ft. above sea level
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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	
	Depth	Water Equiv	Snow Fall	Water Equiv	Avg. Station	Avg. Sea Level	Resultant Speed	Res Dir	Avg. Speed	5-second		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	55	33	44	M	39	41	21	0	-	-	RA BR	0	M	0	0.49	29.47	29.91	5.1	22	11.9	42s	210	32	210	1			
2	33	23	28	M	23	26	37	0	-	-	SN BR UP HZ	M	M	M	0.05	29.77	30.22	12	35	12	25	340	18	340	2			
3	33	14	24	M	17	22	41	0	-	-		0	M	0	0	29.88	30.33	6.7	36	7.4	23	340	17	340	3			
4	31	25	28	M	23	26	37	0	-	-	FZRA SN BR UP HZ	M	M	M	T	29.6	30.11	8.2	4	9.2	29	50	21	80	4			
5	27	18	23	M	16	21	42	0	-	-	SN BR HZ	M	M	M	M	29.88	30.31	12.3	32	12.7	29	320	22	320	5			
6	18	4	11*	M	2	10	54	0	-	-	SN	M	M	M	M	30.09	30.54	8.1	33	8.3	19	350	15	340	6			
7	23	1*	12	M	4	12	53	0	-	-		M	M	M	M	29.98	30.47	1.7	6	2.7	10	40	9	80	7			
8	31	20	26	M	18	23	39	0	-	-	SN	M	M	M	M	29.75	30.24	4.3	16	5.8	14	150	10	200	8			
9	32	21	27	M	21	25	38	0	-	-	SN BR HZ	M	M	M	M	29.79	30.25	5.6	35	6.3	20	350	15	360	9			
10	21	8	15	M	3	12	50	0	-	-		M	M	M	M	29.99	30.44	9.9	35	10.4	21	360	16	350	10			
11	22	3	13	M	1	10	52	0	-	-		M	M	M	M	29.98	30.47	4.8	2	5.6	14	30	10	50	11			
12	35	6	21	M	10	17	44	0	-	-		M	M	M	M	29.67	30.18	2.7	34	3	10	340	8	340	12			
13	47	13	30	M	19	26	35	0	-	-	BR HZ	0	M	0	0	29.4	29.89	6.6	22	6.9	23	200	20	200	13			
14	39	20	30	M	24	28	35	0	-	-	RA BR	0	M	M	0.16	29.39	29.82	5.9	31	10.4	37s	320	28	330	14			
15	30	13	22	M	15	21	43	0	-	-		0	M	0	0	29.65	30.12	2.8	20	6.7	25	340	18	330	15			
16	33	22	28	M	22	26	37	0	-	-		0	M	0	0	29.72	30.18	3.4	36	7.6	19	330	16	350	16			
17	48	27	38	M	28	33	27	0	-	-	RA BR HZ	0	M	M	0.09	29.52	30	4	19	9.4	26	270	20	310	17			
18	55	32	44	M	31	39	21	0	-	-		0	M	0	0	29.49	29.97	9.5	19	10	39	180	30	180	18			
19	53	39	46	M	35	41	19	0	-	-		0	M	0	0	29.5	29.96	0.3	29	6.8	26	310	16	310	19			
20	68*	36	52*	M	47	51	13	0	-	-	TS GR RA BR	0	M	M	0.52	29.18	29.63	15.5	20	19.3	60	270	39	190	20			
21	54	37	46	M	24	36	19	0	-	-		0	M	0	0	29.49	29.93	13	23	15	31	200	24	200	21			
22	64	34	49	M	28	40	16	0	-	-		0	M	0	0	29.54	29.97	8.4	21	11.5	31	190	24	190	22			
23	42	26	34	M	23	31	31	0	-	-		0	M	0	0	29.75	30.18	9.2	1	9.5	25	360	20	360	23			
24	40	21	31	M	16	26	34	0	-	-		0	M	0	0	29.84	30.31	4.9	3	5.8	16	60	12	40	24			
25	37	24	31	M	19	26	34	0	-	-	SN	0	M	M	T	29.8	30.25	7.9	36	8.7	22	330	17	340	25			
26	27	15	21	M	5	17	44	0	-	-	SN	M	M	M	T	29.71	30.2	7.9	33	10.4	34	340	26	340	26			
27	32	18	25	M	6	20	40	0	-	-		0	M	0	0	29.64	30.1	5.5	33	8.4	27	340	21	340	27			
28	47	18	33	M	13	26	32	0	-	-		0	M	0	0	29.61	30.08	5.9	13	7.1	20s	180	15	160	28			
	38.5	20.4	29.5		19	26.1	35.3	0	<-----Monthly Averages Totals----->				M	M	1.31s	29.68	30.14	2.1	32	8.9	<Monthly Average							
	M	M	M	<-----Departure From Normal----->										M														

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

QUALITY CONTROLLED LOCAL CLIMATOLOGICAL DATA (final) NOAA, National Climatic Data Center Month: 03/2014	Station Location: SOUTHERN ILLINOIS AIRPORT (93810) CARBONDALE/MURPHYBORO, IL Lat. 37.779 Lon. -89.249 Elevation(Ground): 406 ft. above sea level
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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	51	33	42	M	30	37	23	0	-	-	HZ	0	M	0	0	29.69	30.14	3.4	1	4	20	350	17	350	1
2	33	9	21	M	16	19	44	0	-	-	FZRA SN BR UP HZ VCTS	M	M	M	0.78	29.81	30.26	15.6	35	16.2	32	350	24	360	2
3	22	9*	16*	M	4	13	49	0	-	-	SN	M	M	M	0.01	29.96	30.42	11.7	35	12.1	30	350	24	350	3
4	38	11	25	M	12	20	40	0	-	-		M	M	0	0	29.78	30.26	1.7	11	2.3	13	150	10	110	4
5	38	18	28	M	22	26	37	0	-	-	BR	M	M	0	0	29.78	30.25	2.2	8	3.3	16	100	14	100	5
6	45	26	36	M	23	30	29	0	-	-	HZ	0	M	0	0	29.7	30.18	4.8	3	5.2	16	360	13	360	6
7	54	23	39	M	28	34	26	0	-	-	BR HZ	0	M	0	0	29.56	30.04	4	19	4.3	17	190	15	200	7
8	50	33	42	M	33	37	23	0	-	-	RA BR HZ	0	M	0	0.01	29.72	30.14	5.5	32	8.3	21	330	16	340	8
9	50	28	39	M	30	35	26	0	-	-	BR HZ	0	M	0	0	29.74	30.22	4.9	20	6.1	18	220	15	210	9
10	65	34	50	M	41	46	15	0	-	-	BR HZ	0	M	0	0	29.41	29.9	11.2	20	11.5	29	190	25	200	10
11	73*	44	59*	M	47	53	6	0	-	-	RA	0	M	M	T	29.15	29.64	12.5	20	12.8	32	210	26	210	11
12	64	32	48	M	30	36	17	0	-	-	RA	M	M	M	0.03	29.53	29.93	14.3	32	15.8	43	320	31	320	12
13	56	24	40	M	30	37	25	0	-	-		0	M	0	0	29.65	30.1	7.6	18	7.8	27	200	22	190	13
14	63	45	54	M	37	45	11	0	-	-		0	M	0	0	29.49	29.95	17.1	21	17.5	43	200	35	200	14
15	68	30	49	M	32	43	16	0	-	-	BR	0	M	0	0	29.54	30	3.4	14	5.4	23	180	17	170	15
16	51	30	41	M	29	33	24	0	-	-	RA SN BR	0	M	M	0.61	29.5	29.96	12.6	3	13.4	33	30	23	40	16
17	45	27	36	M	26	32	29	0	-	-		0	M	0	0	29.43	29.9	2.6	3	5.7	24	350	20	360	17
18	57	29	43	M	36	41	22	0	-	-	BR	0	M	0	0	29.31	29.8	11.8	16	12.4	32	130	25	160	18
19	55	32	44	M	37	43	21	0	-	-	BR	0	M	0	0	29.53	29.94	7.4	25	11.6	33	210	26	210	19
20	64	27	46	M	31	40	19	0	-	-	BR HZ	0	M	0	0	29.62	30.07	7.3	20	7.8	24	180	20	180	20
21	69	47	58	M	34	47	7	0	-	-		0	M	0	0	29.47	29.93	13.4	21	15	36	210	29	190	21
22	53	39	46	M	31	39	19	0	-	-		0	M	0	0	29.75	30.17	12.2	35	12.3	26	20	18	340	22
23	44	25	35	M	19	30	30	0	-	-		0	M	0	0	29.91	30.35	9.9	36	10.3	27	330	21	350	23
24	46	23	35	M	20	30	30	0	-	-	SN BR	M	M	M	T	29.79	30.28	4.8	3	6.1	23	340	17	360	24
25	46	25	36	M	19	30	29	0	-	-	SN BR HZ	0	M	M	0.01	29.78	30.24	10.1	32	10.6	36	280	26	300	25
26	49	18	34	M	17	30	31	0	-	-	HZ FU	0	M	M	Ts	29.76	30.26	6.9	17	7.2	27	190	18	170	26
27	61	43	52	M	38	46	13	0	-	-	TSRA RA	0	M	0	0.07	29.36	29.85	19.6	18	20.2	41	190	32	180	27
28	59	44	52	M	41	46	13	0	-	-	RA VCTS	0	M	0	0.41	29.56	29.99	7.8	34	9.2	30	290	23	280	28
29	46	34	40	M	37	40	25	0	-	-	RA BR HZ	0	M	M	0.23	29.72	30.14	11.2	34	11.5	29	350	21	330	29
30	62	28	45	M	32	40	20	0	-	-	BR HZ	0	M	0	0	29.73	30.2	2.1	18	3.4	13	190	10	200	30
31	71	40	56	M	37	48	9	0	-	-		0	M	M	T	29.52	30	12.6	18	13.8	35	200	26	200	31

	53.2	29.4	41.3		29	36.3	23.5	0	<-----Monthly Averages Totals----->						M	M	2.16s	29.62	30.11	1.5	25	9.8	<Monthly Average			
	M	M	M		<-----Departure From Normal----->						M															

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

QUALITY CONTROLLED LOCAL CLIMATOLOGICAL DATA (final) NOAA, National Climatic Data Center Month: 04/2014	Station Location: SOUTHERN ILLINOIS AIRPORT (93810) CARBONDALE/MURPHYBORO, IL Lat. 37.779 Lon. -89.249 Elevation(Ground): 406 ft. above sea level
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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	50	60	M	40	49	5	0	-	-	RA	0	M	0	0.03	29.59	30.02	2.6	31	7.9	26	210	22	220	1				
2	65	50	58	M	50	54	7	0	-	-	RA BR VCTS	0	M	0	0.34	29.5	29.95	6.3	8	8	22	80	18	80	2				
3	69	59	64	M	59	61	1	0	-	-	TSRA RA BR VCTS	0	M	0	2.81	29.29	29.75	3.9	14	10.4	38	280	25	280	3				
4	59	43	51	M	39	46	14	0	-	-	RA	0	M	0	0.26	29.51	29.91	10.3	30	14	36	290	26	290	4				
5	55	39	47	M	32	41	18	0	-	-		0	M	0	0	29.72	30.16	4.9	2	6.3	20	360	14	350	5				
6	60	36	48	M	36	44	17	0	-	-	BR	0	M	0	0	29.51	30	4.8	6	5.4	19	90	15	70	6				
7	52	42	47	M	41	45	18	0	-	-	RA BR HZ	0	M	0	0.55	29.25	29.71	6.6	32	9.8	30	330	23	330	7				
8	62	43	53	M	40	47	12	0	-	-	TS RA	0	M	M	0.09	29.41	29.84	6.1	31	8.5	26	330	22	340	8				
9	66	41	54	M	35	45	11	0	-	-		0	M	0	0	29.61	30.05	5.2	24	8.1	20	200	16	200	9				
10	77	53	65	M	46	55	0	0	-	-		0	M	0	0	29.46	29.91	19.6	20	20.1	46	200	35	200	10				
11	71	51	61	M	45	53	4	0	-	-		0	M	0	0	29.59	30.04	0	1	4.6	13	330	12	330	11				
12	76	56	66	M	54	59	0	1	-	-		0	M	0	0	29.46	29.92	17.5	19	17.9	47	190	36	200	12				
13	74	61	68*	M	58	62	0	3	-	-	RA BR	0	M	0	0.48	29.29	29.76	19.7	20	20.1	44	210	33	200	13				
14	61	36	49	M	43	46	16	0	-	-	RA BR	0	M	M	0.09	29.44	29.84	8.6	30	14.3	31	330	23	330	14				
15	48	31*	40*	M	25	34	25	0	-	-		0	M	0	0	29.75	30.17	6.9	34	9.5	28	330	22	340	15				
16	57	32	45	M	26	37	20	0	-	-		0	M	0	0	29.76	30.22	8.8	14	9	23	130	17	170	16				
17	68	32	50	M	36	44	15	0	-	-		0	M	0	0	29.78	30.24	5.1	19	5.8	24	180	18	190	17				
18	72	42	57	M	43	50	8	0	-	-		0	M	0	0	29.79	30.24	1.8	1	3.3	25	20	14	340	18				
19	76	42	59	M	43	51	6	0	-	-	BR	0	M	0	0	29.76	30.22	2.7	8	3.3	17	60	14	70	19				
20	78*	44	61	M	45	53	4	0	-	-	BR	0	M	0	0	29.68	30.15	3.7	17	4.6	17	180	13	170	20				
21	71	53	62	M	54	58	3	0	-	-	RA BR	0	M	0	0.02	29.51	29.98	6.1	21	6.8	22	220	18	220	21				
22	70	46	58	M	46	53	7	0	-	-	BR	0	M	0	T	29.52	29.96	9.1	33	9.5	28	330	21	330	22				
23	67	39	53	M	39	47	12	0	-	-		0	M	0	0	29.59	30.04	5	8	6.2	19	90	15	80	23				
24	77	49	63	M	45	54	2	0	-	-	RA BR VCTS	0	M	M	1.1	29.33	29.79	9	16	11.1	43s	270	32	290	24				
25	74	52	63	M	46	53	2	0	-	-	RA	0	M	0	0.03	29.47	29.9	5.8	31	8.5	32	290	23	300	25				
26	73	50	62	M	49	56	3	0	-	-		0	M	0	0	29.44	29.89	6.2	19	7.2	20	180	17	190	26				
27	75	56	66	M	59	62	0	1	-	-	TSRA RA BR VCTS	0	M	0	1.01	29.28	29.74	8.5	15	10.5	35	180	28	170	27				
28	72	58	65	M	59	61	0	0	-	-	RA BR VCTS	0	M	0	1.01	29.08	29.55	10.9	16	12.5	36	160	25	170	28				
29	65	49	57	M	46	52	8	0	-	-	RA	0	M	M	T	29.21	29.63	10.2	20	12	40	190	31	200	29				
30	55	44	50	M	41	46	15	0	-	-		0	M	0	0	29.45	29.87	6.2	26	7.5	26	250	20	260	30				
	67.1	46	56.6		44	50.6	8.4	0.2	<-----Monthly Averages Totals----->				M	M	7.82s	29.5	29.95	2.7	20	9.4	<Monthly Average								
	M	M	M		<-----Departure From Normal----->										M														

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

QUALITY CONTROLLED LOCAL CLIMATOLOGICAL DATA (final) NOAA, National Climatic Data Center Month: 05/2014	Station Location: SOUTHERN ILLINOIS AIRPORT (93810) CARBONDALE/MURPHYBORO, IL Lat. 37.779 Lon. -89.249 Elevation(Ground): 406 ft. above sea level
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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	60	42	51	M	39	45	14	0	-	-		0	M	0	0	29.51	29.95	7.5	25	7.6	27	260	20	260	1
2	63	38	51	M	40	46	14	0	-	-		0	M	0	0	29.48	29.94	2.7	24	4.5	22	320	15	310	2
3	74	46	60	M	45	52	5	0	-	-		0	M	0	0	29.48	29.93	2.7	23	4.4	19	240	15	230	3
4	84	47	66	M	51	58	0	1	-	-		0	M	0	0	29.44	29.9	3.5	19	5.1	21	200	17	190	4
5	84	54	69	M	52	60	0	4	-	-		0	M	0	0	29.34	29.79	10.1	19	11	28	190	22	190	5
6	83	59	71	M	55	62	0	6	-	-		0	M	0	0	29.35	29.79	10.3	19	10.5	31	220	24	210	6
7	83	67	75	M	58	64	0	10	-	-		0	M	0	0	29.42	29.85	16.9	19	17.2	40	200	31	200	7
8	82	66	74	M	62	67	0	9	-	-	RA VCTS	0	M	0	0.21	29.48	29.92	14.8	19	15.2	40	210	31	210	8
9	75	62	69	M	62	64	0	4	-	-	RA BR	0	M	0	1.04	29.42	29.87	7.8	20	8.9	32	330	23	330	9
10	81	64	73	M	64	67	0	8	-	-	TS BR	0	M	0	0	29.47	29.91	4.5	20	6.6	24	210	21	210	10
11	82	65	74	M	68	70	0	9	-	-	RA BR VCTS	0	M	0	0.33	29.5	29.94	6	15	7.7	29	190	23	190	11
12	82	71	77	M	68	70	0	12	-	-		0	M	0	0.01	29.51	29.95	10.7	19	11	29	200	22	190	12
13	73	53	63	M	60	61	2	0	-	-	TSRA RA BR	0	M	0	1.06	29.62	30.05	5	32	8.4	25	320	21	320	13
14	53	47	50*	M	48	50	15	0	-	-	RA BR	0	M	0	1.3	29.59	30.05	10.5	35	11.3	30	350	22	360	14
15	64	47	56	M	45	49	9	0	-	-	RA	0	M	0	0.18	29.62	30.07	4	28	6.7	38	320	25	300	15
16	60	42	51	M	39	45	14	0	-	-	BR	0	M	0	0	29.65	30.08	6	29	7	25	280	18	280	16
17	63	38*	51	M	40	46	14	0	-	-	FG+ FG BR	0	M	0	0	29.75	30.19	1.9	4	3.5	14	330	10	360	17
18	68	40	54	M	41	48	11	0	-	-	BR	0	M	0	0	29.77	30.23	2.6	10	3.1	15	80	13	140	18
19	76	46	61	M	54	58	4	0	-	-	BR	0	M	0	0	29.62	30.1	8.8	16	9.2	25	180	20	150	19
20	82	62	72	M	60	65	0	7	-	-		0	M	0	0	29.52	29.96	16.1	21	16.4	34	220	28	220	20
21	85	66	76	M	66	69	0	11	-	-	VCTS	0	M	0	0	29.53	29.97	9.3	22	9.6	26	230	20	230	21
22	85	65	75	M	63	67	0	10	-	-	RA VCTS	0	M	0	0.06	29.61	30.04	3.9	32	6.1	17	230	15	230	22
23	82	63	73	M	57	63	0	8	-	-		0	M	0	T	29.65	30.09	3.3	4	5.1	16	50	12	30	23
24	80	59	70	M	57	62	0	5	-	-		0	M	0	0	29.65	30.1	3.6	8	4.5	19	130	15	120	24
25	85	64	75	M	63	66	0	10	-	-	TS RA BR	0	M	0	0.05	29.6	30.05	3.5	12	4.7	34s	200	24	200	25
26	87	62	75	M	67	69	0	10	-	-	TSRA BR VCTS	0	M	0	0.02	29.6	30.04	3.1	22	4.7	22s	220	17	270	26
27	84	66	75	M	64	67	0	10	-	-	BR	0	M	0	0	29.54	29.99	4.1	20	5.2	31	180	25	180	27
28	82	62	72	M	65	68	0	7	-	-	BR	0	M	0	0	29.51	29.95	3.1	18	4	17	150	14	200	28
29	82	65	74	M	66	68	0	9	-	-	RA BR	0	M	0	T	29.55	29.99	2	16	2.4	18	190	15	190	29
30	88	66	77	M	67	69	0	12	-	-	TS TSRA FG BR VCTS	0	M	0	0.09	29.59	30.03	1.2	9	2.6	22	90	17	80	30
31	89*	65	77*	M	67	70	0	12	-	-	FG+ BR VCTS	0	M	0	T	29.61	30.04	3.2	13	4.5	18	160	13	140	31

	77.5	56.7	67.1		56.5	60.8	3.3	5.6	<-----Monthly Averages Totals----->								M	M	4.35s	29.55	29.99	3.7	20	7.4	<Monthly Average			
	M	M	M						<-----Departure From Normal----->								M											

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

QUALITY CONTROLLED LOCAL CLIMATOLOGICAL DATA (final) NOAA, National Climatic Data Center Month: 06/2014	Station Location: SOUTHERN ILLINOIS AIRPORT (93810) CARBONDALE/MURPHYBORO, IL Lat. 37.779 Lon. -89.249 Elevation(Ground): 406 ft. above sea level
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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	87	67	77	M	68	71	0	12	-	-	TS TSRA RA BR VCTS	0	M	0	0.23	29.57	30.02	7	17	6.9	42s	210	29	230	1	
2	80	71	76	M	70	71	0	11	-	-	RA	0	M	0	0.43	29.55	29.99	11.6	20	12.2	32	220	23	220	2	
3	88	71	80	M	70	73	0	15	-	-		0	M	0	0	29.52	29.97	6.5	20	7.4	18	190	15	190	3	
4	87	71	79	M	71	72	0	14	-	-	TS RA FG+ BR VCTS	0	M	0	0.91	29.37	29.81	7.3	22	9.2	33	220	24	240	4	
5	74	65	70	M	64	66	0	5	-	-	BR HZ	0	M	0	0	29.45	29.88	5	5	5.9	16	10	12	90	5	
6	82	64	73	M	65	68	0	8	-	-	BR HZ	0	M	0	0	29.49	29.93	3	5	3.9	11	20	9	50	6	
7	82	66	74	M	67	69	0	9	-	-	RA BR	0	M	0	0.32	29.41	29.86	5.9	18	8.4	27	270	20	270	7	
8	77	66	72	M	62	65	0	7	-	-		0	M	0	T	29.51	29.94	5.4	33	6.5	24	310	18	320	8	
9	76	66	71	M	63	66	0	6	-	-	RA BR	0	M	0	0.24	29.39	29.84	6.7	11	7.6	22	130	16	120	9	
10	73	65	69	M	66	67	0	4	-	-	RA BR	0	M	0	0.47	29.28	29.73	5.6	17	6.9	22	250	17	260	10	
11	80	64	72	M	63	66	0	7	-	-	BR	0	M	0	0	29.33	29.76	3.1	30	4.6	18	290	14	330	11	
12	81	60	71	M	64	66	0	6	-	-	RA BR	0	M	0	0.06	29.44	29.87	2.4	30	3.8	20	350	15	350	12	
13	76	55	66	M	55	61	0	1	-	-		0	M	0	0	29.57	29.99	6.7	35	6.9	22	350	17	350	13	
14	82	50*	66*	M	53	59	0	1	-	-		0	M	0	0	29.57	30.02	5.3	14	6	18	150	13	170	14	
15	85	61	73	M	64	68	0	8	-	-		0	M	0	0	29.55	29.98	7.7	18	8.5	34	180	25	190	15	
16	93	71	82	M	68	72	0	17	-	-		0	M	0	0	29.59	30.03	8.8	19	9.2	24	170	20	190	16	
17	92	75	84*	M	69	73	0	19	-	-		0	M	0	0	29.56	30	10.9	20	11.4	27	190	21	230	17	
18	93	72	83	M	70	74	0	18	-	-		0	M	0	0	29.56	30	9.8	20	10.3	26	210	21	210	18	
19	92	69	81	M	70	73	0	16	-	-		0	M	0	0	29.59	30.02	6.8	21	7.4	24	210	18	220	19	
20	93	72	83	M	69	73	0	18	-	-	TS VCTS	0	M	0	0	29.54	29.98	4.3	25	6.9	35s	340	28	340	20	
21	93	68	81	M	66	71	0	16	-	-		0	M	0	0	29.49	29.93	0.9	1	3	27	310	18	320	21	
22	87	70	79	M	67	71	0	14	-	-		0	M	0	0	29.44	29.89	0.9	19	4.1	18	70	14	60	22	
23	93*	69	81	M	69	72	0	16	-	-	RA BR	0	M	0	T	29.42	29.86	6.6	20	8	34	220	25	220	23	
24	86	69	78	M	68	71	0	13	-	-	RA BR	0	M	0	1.69	29.47	29.89	2.2	31	4.3	21	290	13	230	24	
25	89	66	78	M	65	70	0	13	-	-		0	M	0	0	29.56	29.99	3.4	25	4.3	15	260	12	250	25	
26	90	70	80	M	67	71	0	15	-	-		0	M	0	0	29.55	29.99	3.7	17	4.5	23	180	18	190	26	
27	87	71	79	M	69	71	0	14	-	-	RA	0	M	0	0.01	29.55	29.99	6.5	17	6.9	21	180	17	180	27	
28	88	70	79	M	70	73	0	14	-	-		0	M	0	0	29.59	30.02	11.6	19	11.9	34s	210	26	190	28	
29	83	70	77	M	68	71	0	12	-	-	RA BR	0	M	0	0.08	29.57	30.01	10.8	20	11.1	27	190	22	210	29	
30	92	72	82	M	73	76	0	17	-	-		0	M	0	0	29.43	29.88	11	20	11.4	29	190	23	220	30	
	85.4	67.2	76.3		66.4	69.7	0	11.5	<-----Monthly Averages Totals----->			M	M	4.44s	29.49	29.93	4.1	20	7.3	<Monthly Average						
	M	M	M		<-----Departure From Normal----->							M														

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

QUALITY CONTROLLED LOCAL CLIMATOLOGICAL DATA (final) NOAA, National Climatic Data Center Month: 07/2014	Station Location: SOUTHERN ILLINOIS AIRPORT (93810) CARBONDALE/MURPHYBORO, IL Lat. 37.779 Lon. -89.249 Elevation(Ground): 406 ft. above sea level
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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						Data	
	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	91	68	80	M	70	73	0	15	-	-	TS TSRA RA FG+ BR VCTS	0	M	0	0.81	29.42	29.85	8.5	23	8.9	27	320	21	320	1
2	81	64	73	M	61	66	0	8	-	-		0	M	0	0	29.57	29.99	5.5	30	6.6	19	290	14	310	2
3	76	58	67	M	58	61	0	2	-	-		0	M	0	0	29.73	30.15	4	33	4.6	21	360	16	320	3
4	82	57	70	M	57	62	0	5	-	-	FG+ BR	0	M	0	0	29.82	30.25	1.8	4	2.6	19	330	13	20	4
5	81	55	68	M	57	62	0	3	-	-	FG BR	0	M	0	0	29.72	30.19	2.6	20	3.9	17	190	13	180	5
6	86	63	75	M	65	68	0	10	-	-		0	M	0	0	29.54	30	8.6	19	9.5	23	200	20	200	6
7	90	72	81	M	70	73	0	16	-	-	RA	0	M	0	T	29.4	29.85	11.8	21	12.2	32	200	24	210	7
8	88	67	78	M	67	70	0	13	-	-	TSRA RA BR	0	M	0	0.15	29.44	29.88	6.2	26	7.5	39	290	28	300	8
9	86	63	75	M	63	67	0	10	-	-		0	M	0	0	29.55	29.98	2.6	29	4	14	290	10	300	9
10	83	63	73	M	62	66	0	8	-	-	BR	0	M	0	0	29.66	30.09	1.7	4	2.1	11	60	8	90	10
11	89	61	75	M	65	69	0	10	-	-	FG+ FG BR	0	M	0	0	29.69	30.13	3	19	3.8	15	210	13	200	11
12	93	72	83	M	72	75	0	18	-	-		0	M	0	0	29.62	30.08	6.6	20	6.9	19	200	15	190	12
13	93*	73	83*	M	72	75	0	18	-	-	TSRA RA BR VCTS	0	M	0	0.14	29.52	29.96	5.3	22	7.1	41	320	28	320	13
14	88	68	78	M	69	71	0	13	-	-	RA BR	0	M	0	0.57	29.47	29.91	3.7	28	4.5	27	330	20	340	14
15	75	59	67	M	55	60	0	2	-	-		0	M	0	0	29.56	30	7.3	33	7.7	21	320	16	320	15
16	77	54	66*	M	55	60	0	1	-	-		0	M	0	0	29.59	30.03	1.1	31	2.6	13	300	10	330	16
17	80	56	68	M	56	61	0	3	-	-	FG+ FG BR	0	M	0	0	29.64	30.08	0.8	12	2.6	15	60	8	120	17
18	82	59	71	M	58	63	0	6	-	-		0	M	0	0	29.62	30.07	3.8	8	4.4	16	50	13	110	18
19	81	58	70	M	60	63	0	5	-	-	FG+ BR HZ	0	M	0	0	29.58	30.03	3.2	5	3.7	15	30	10	20	19
20	83	58	71	M	61	64	0	6	-	-	FG+ FG BR	0	M	0	0	29.59	30.03	0.6	9	1.1	11	70	7	40	20
21	86	59	73	M	63	66	0	8	-	-	BR	0	M	0	0	29.63	30.07	0.6	5	1.3	9	320	7	80	21
22	88	63	76	M	67	70	0	11	-	-	FG BR	0	M	0	0	29.62	30.06	2.7	21	3.8	16	200	14	200	22
23	83	64	74	M	67	69	0	9	-	-	TSRA RA BR HZ VCTS	0	M	0	0.16	29.58	30.03	1.2	14	7.3	30	130	24	150	23
24	81	55	68	M	58	62	0	3	-	-		0	M	0	0	29.61	30.06	3.4	2	4.8	15	20	12	70	24
25	80	56	68	M	59	63	0	3	-	-	FG BR	0	M	0	0	29.54	30.01	3.5	18	4.9	25	150	20	160	25
26	92	65	79	M	72	74	0	14	-	-		0	M	0	0	29.44	29.9	8.5	20	9	23	210	18	210	26
27	92	68	80	M	68	73	0	15	-	-		0	M	0	0	29.44	29.87	6.7	28	9.6	29	330	20	330	27
28	81	58	70	M	59	64	0	5	-	-		0	M	0	0	29.62	30.04	6.2	33	7.3	30	320	17	340	28
29	80	54*	67	M	54	60	0	2	-	-		0	M	0	0	29.66	30.1	3	31	3.5	14	290	10	280	29
30	79	55	67	M	59	62	0	2	-	-	BR	0	M	0	0	29.64	30.08	3.3	22	3.7	17	200	14	220	30
31	84	57	71	M	61	64	0	6	-	-	RA FG BR	0	M	0	0.01	29.62	30.07	2.4	19	3.6	15	230	12	220	31

	84.2	61.4	72.8		62.6	66.3	0	8.1	<-----Monthly Averages Totals----->						M	M	1.84s	29.59	30.03	1.9	24	5.3	<Monthly Average			
	M	M	M						<-----Departure From Normal----->								M									

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

QUALITY CONTROLLED LOCAL CLIMATOLOGICAL DATA (final) NOAA, National Climatic Data Center Month: 08/2014	Station Location: SOUTHERN ILLINOIS AIRPORT (93810) CARBONDALE/MURPHYBORO, IL Lat. 37.779 Lon. -89.249 Elevation(Ground): 406 ft. above sea level
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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						Avg. 5-second Speed	Dir	Avg. 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	86	59	73	M	62	66	0	8	-	-	FG+ FG BR VCTS	0	M	0	T	29.62	30.06	0.6	34	2	20	30	15	30	1
2	85	63	74	M	63	66	0	9	-	-	BR	0	M	0	0	29.66	30.1	2.5	2	3.4	13	60	9	60	2
3	87	58	73	M	61	65	0	8	-	-	BR	0	M	0	0	29.66	30.11	1.2	7	2.4	13	70	9	70	3
4	89	57	73	M	62	66	0	8	-	-	FG+ BR HZ	0	M	0	0	29.62	30.07	0.5	6	1.9	10	150	8	110	4
5	87	63	75	M	68	70	0	10	-	-	RA BR VCTS	0	M	0	0.13	29.57	30.02	2.1	18	2.9	14	150	12	150	5
6	90	64	77	M	68	71	0	12	-	-	RA FG+ BR	0	M	0	T	29.55	30	0.9	5	2.2	13	350	9	110	6
7	78	69	74	M	69	70	0	9	-	-	TSRA RA BR HZ VCTS	0	M	0	0.66	29.5	29.94	4.6	13	6.3	22s	250	18	250	7
8	85	71	78	M	71	73	0	13	-	-	RA BR	0	M	0	1.28	29.46	29.9	2.2	12	4.3	15	50	13	50	8
9	83	71	77	M	70	72	0	12	-	-	BR	0	M	0	0.01	29.52	29.95	2.9	36	3.5	14	330	10	340	9
10	86	69	78	M	71	73	0	13	-	-	BR HZ	0	M	0	T	29.51	29.96	1.6	31	3.3	13	320	10	310	10
11	84	71	78	M	69	72	0	13	-	-	RA BR HZ VCTS	0	M	0	0.19	29.46	29.9	5.2	31	5.5	20	310	15	320	11
12	81	59	70	M	60	64	0	5	-	-		0	M	0	0.00s	29.54	29.96	6.6	32	7	23	320	18	330	12
13	81	56	69*	M	58	62	0	4	-	-	BR	0	M	0	0	29.62	30.06	2.4	33	2.8	20	150	12	330	13
14	84	55*	70	M	60	64	0	5	-	-	BR	0	M	0	0	29.6	30.05	0.4	34	1	12	280	9	310	14
15	85	59	72	M	64	67	0	7	-	-	FG BR	M	M	0	Ts	29.56	30.01	2.6	19	3.6	13	240	10	240	15
16	80	69	75	M	67	69	0	10	-	-	RA BR	M	M	0	0.32	29.47	29.93	5.1	17	5.8	23	270	16	188	16
17	81	72	77	M	71	72	0	12	-	-	RA BR	0	M	0	0.45	29.42	29.85	4.2	28	5.8	23	310	17	320	17
18	84	68	76	M	70	72	0	11	-	-	FG+ BR	M	M	0	0	29.41	29.85	1.3	29	1.8	10	320	8	340	18
19	86	66	76	M	70	72	0	11	-	-	RA FG+ FG BR	0	M	0	0.01	29.39	29.82	3.6	20	4.4	16	200	13	230	19
20	91	66	79	M	72	73	0	14	-	-	BR	0	M	0	T	29.51	29.93	2	14	3.8	22	40	15	50	20
21	90	76	83	M	73	76	0	18	-	-		0	M	0	0	29.55	29.98	9.1	20	9.4	22	190	17	200	21
22	91	73	82	M	74	76	0	17	-	-		0	M	0	0	29.52	29.97	5.8	21	6.6	16	190	13	200	22
23	94	74	84*	M	76	78	0	19	-	-		0	M	0	0	29.49	29.93	2	18	3.6	23	110	17	110	23
24	93	72	83	M	75	77	0	18	-	-	BR	0	M	0	0	29.51	29.94	2.7	14	4.3	12	210	9	140	24
25	94	72	83	M	74	76	0	18	-	-	BR	0	M	0	0	29.57	30	1.4	9	2.2	10	50	7	50	25
26	94	69	82	M	74	76	0	17	-	-	FG BR HZ	0	M	0	0	29.62	30.05	1	6	1.7	9	80	7	70	26
27	94*	70	82	M	72	75	0	17	-	-	FG+ BR HZ	0	M	0	0	29.6	30.05	1.4	2	2.1	32	340	22	340	27
28	89	71	80	M	71	73	0	15	-	-	TS TSRA BR	0	M	0	0.02	29.55	30	1.5	12	2.6	28	140	20	130	28
29	89	68	79	M	69	72	0	14	-	-	BR HZ	0	M	0	T	29.51	29.95	7.1	19	8	27	220	24	210	29
30	79	70	75	M	70	72	0	10	-	-	RA BR VCTS	0	M	0	0.49	29.53	29.97	7.1	19	8	40	240	29	240	30
31	84	71	78	M	70	73	0	13	-	-		0	M	0	0	29.52	29.95	6.7	20	7	19	200	16	200	31

	86.6	66.8	76.7		68.5	71.1	0	11.9	<-----Monthly Averages Totals----->						M	M	3.56s	29.54	29.98	1.2	20	4.2	<Monthly Average			
	M	M	M		<-----Departure From Normal----->						M															

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

QUALITY CONTROLLED LOCAL CLIMATOLOGICAL DATA (final) NOAA, National Climatic Data Center Month: 09/2014	Station Location: SOUTHERN ILLINOIS AIRPORT (93810) CARBONDALE/MURPHYBORO, IL Lat. 37.779 Lon. -89.249 Elevation(Ground): 406 ft. above sea level
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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						Avg. Speed	Speed	Dir		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	83	74	79	M	71	73	0	14	-	-	RA	0	M	0	T	29.47	29.91	11	21	11.7	34	200	26	200	1				
2	83	66	75	M	69	72	0	10	-	-	RA FG VCTS	0	M	0	0.01	29.52	29.95	3	25	4.8	22	210	17	220	2				
3	87	62	75	M	67	69	0	10	-	-	FG+ FG BR	0	M	0	0	29.57	30.01	1.2	18	2	12	130	9	130	3				
4	90	64	77	M	71	73	0	12	-	-	BR	0	M	0	0	29.59	30.02	5.6	18	6	20	200	15	180	4				
5	93*	71	82*	M	71	74	0	17	-	-		0	M	0	0	29.6	30.04	4.3	20	6.2	20	330	15	330	5				
6	75	60	68	M	62	65	0	3	-	-	RA BR	0	M	0	T	29.68	30.12	5.3	34	5.6	23	330	18	330	6				
7	80	53	67	M	57	61	0	2	-	-	BR	0	M	0	0	29.67	30.12	3.2	4	4.4	19	50	12	40	7				
8	83	49	66	M	54	59	0	1	-	-	FG+ BR	0	M	0	0	29.6	30.06	0.7	9	1.3	10	120	9	120	8				
9	86	56	71	M	63	66	0	6	-	-		0	M	0	0	29.5	29.96	5.6	17	6.2	20	200	16	210	9				
10	86	72	79	M	71	73	0	14	-	-	TSRA RA BR	0	M	0	1.91	29.35	29.79	12.2	20	12.9	33	210	25	200	10				
11	73	56	65	M	58	60	0	0	-	-	TSRA RA BR	0	M	0	0.05	29.65	30.07	8	36	8.5	21	340	17	340	11				
12	61	55	58	M	53	55	7	0	-	-	BR	0	M	0	0	29.76	30.19	6.1	35	7.2	23	340	18	340	12				
13	66	44	55	M	43	49	10	0	-	-		0	M	0	0	29.86	30.31	6	1	6.4	23	350	17	340	13				
14	72	43	58	M	47	51	7	0	-	-		0	M	0	0	29.79	30.25	0.1	13	0.7	10	50	7	330	14				
15	77	49	63	M	58	60	2	0	-	-	RA	0	M	0	T	29.67	30.13	2.5	23	4.6	24	330	17	330	15				
16	63	46	55*	M	51	54	10	0	-	-	BR	0	M	0	0	29.7	30.15	3.4	3	4.8	16	20	12	20	16				
17	71	43	57	M	53	56	8	0	-	-	RA BR	0	M	0	T	29.55	30.01	1.6	15	3.2	14	160	10	150	17				
18	75	53	64	M	55	58	1	0	-	-	BR	0	M	0	0	29.59	30.02	3.1	7	3.4	16	30	10	80	18				
19	79	48	64	M	56	59	1	0	-	-	BR	0	M	0	0	29.6	30.05	1.4	12	1.9	14	90	10	90	19				
20	85	54	70	M	64	66	0	5	-	-	FG BR	0	M	0	0	29.54	29.99	6.1	21	6.2	24	200	17	190	20				
21	79	56	68	M	55	61	0	3	-	-	BR	0	M	0	0.07	29.59	30.01	6.5	32	8.4	25	280	18	310	21				
22	73	45	59	M	49	54	6	0	-	-	BR	0	M	0	0	29.8	30.22	2.8	36	3.7	16	340	13	340	22				
23	75	42	59	M	47	51	6	0	-	-	FG BR	0	M	0	0	29.82	30.27	1.4	6	2.4	13	80	9	70	23				
24	80	42*	61	M	49	54	4	0	-	-	FG BR	0	M	0	0	29.8	30.25	0.9	10	1.3	9	80	8	70	24				
25	82	48	65	M	54	58	0	0	-	-	FG BR	0	M	0	0	29.77	30.22	0.2	9	0.2	13	330	9	320	25				
26	83	52	68	M	56	60	0	3	-	-	FG BR	0	M	0	0	29.72	30.18	1.6	6	1.7	13	80	9	70	26				
27	85	54	70	M	56	61	0	5	-	-	FG+ FG BR	0	M	0	0	29.67	30.13	1.9	8	2.2	14	50	10	90	27				
28	86	52	69	M	56	60	0	4	-	-	FG BR	0	M	0	0	29.62	30.08	0.7	36	1.2	11	20	8	50	28				
29	87	49	68	M	55	60	0	3	-	-	FG BR	0	M	0	0	29.54	30	0.8	33	1.4	13	330	10	330	29				
30	87	52	70	M	56	60	0	5	-	-	FG+ BR	0	M	0	0	29.47	29.92	0.3	18	1.6	15	280	12	290	30				
	79.5	53.7	66.6		57.6	61.1	2.1	3.9	<-----Monthly Averages Totals----->				M	M	2.04s	29.64	30.11	0.4	24	4.4	<Monthly Average								
	M	M	M		<-----Departure From Normal----->										M														

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

QUALITY CONTROLLED LOCAL CLIMATOLOGICAL DATA (final) NOAA, National Climatic Data Center Month: 10/2014	Station Location: SOUTHERN ILLINOIS AIRPORT (93810) CARBONDALE/MURPHYBORO, IL Lat. 37.779 Lon. -89.249 Elevation(Ground): 406 ft. above sea level
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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	86*	52	69	M	60	64	0	4	-	-	FG+ BR	0	M	0	0	29.44	29.89	5.5	17	5.8	23	210	17	200	1
2	83	63	73	M	66	68	0	8	-	-	RA BR VCTS	0	M	0	0.49	29.36	29.81	7.5	20	9.6	36	330	25	310	2
3	71	41	56	M	49	54	9	0	-	-	RA	0	M	0	0.03	29.47	29.89	11	29	13.3	41	310	30	310	3
4	57	36	47	M	35	41	18	0	-	-		0	M	0	0	29.51	29.96	7.5	27	8.7	29	310	22	300	4
5	73	35	54	M	44	49	11	0	-	-		0	M	0	T	29.34	29.8	5.3	20	5.7	27	210	21	220	5
6	75	51	63	M	49	54	2	0	-	-	RA VCTS	0	M	0	0.02	29.33	29.78	5.3	22	7.7	34	240	24	250	6
7	81	49	65	M	54	58	0	0	-	-	RA	0	M	0	0.06	29.41	29.83	8.5	23	10.5	31	240	23	220	7
8	79	44	62	M	48	54	3	0	-	-		0	M	0	0	29.62	30.06	1	22	1.7	12	260	10	270	8
9	72	55	64	M	58	60	1	0	-	-	RA BR VCTS	0	M	0	0.17	29.58	30.03	2.2	12	4.7	15	130	14	210	9
10	58	50	54	M	52	53	11	0	-	-	RA BR	0	M	0	0.44	29.59	30.03	5.2	2	6	18	40	13	30	10
11	58	50	54	M	48	51	11	0	-	-	RA	0	M	0	0.02	29.65	30.1	3.9	4	4.5	14	30	12	30	11
12	69	54	62	M	58	59	3	0	-	-	RA BR	0	M	0	0.03	29.47	29.93	4.5	15	4.9	14	180	12	170	12
13	73	61	67	M	62	64	0	2	-	-	TS RA BR	0	M	0	0.71	29.23	29.7	10.8	16	11.3	50s	210	37	200	13
14	62	53	58	M	54	55	7	0	-	-	RA BR	0	M	0	0.26	29.17	29.6	11	22	12.1	28	210	21	240	14
15	57	52	55	M	51	52	10	0	-	-	RA BR	0	M	0	0.01	29.39	29.81	7.1	28	7.3	20	330	15	280	15
16	70	50	60	M	50	53	5	0	-	-		0	M	0	0	29.41	29.86	4.1	21	5.6	16	220	14	200	16
17	75	48	62	M	48	54	3	0	-	-		0	M	0	0	29.42	29.85	6.6	28	8.4	25	330	18	270	17
18	64	40	52	M	43	48	13	0	-	-	BR	0	M	0	0	29.68	30.1	6.2	34	6.8	29	300	18	320	18
19	64	34	49	M	41	46	16	0	-	-	BR	0	M	0	0	29.7	30.16	2	19	2.6	12	170	8	200	19
20	77	43	60	M	47	53	5	0	-	-	RA HZ	0	M	0	T	29.54	29.99	4.1	26	6.3	21	310	16	310	20
21	70	40	55	M	43	48	10	0	-	-		0	M	0	0	29.67	30.1	2.7	36	4.2	18	340	14	330	21
22	65	34	50	M	40	44	15	0	-	-	BR	0	M	0	0	29.8	30.25	3.1	7	3.9	14	90	9	40	22
23	62	33	48	M	M	M	17	0	-	-	FG+ FG BR	0	M	0	0	29.72	M	1.4	20	2	13s	M	9	240	23
24	71	42	57	M	49	52	8	0	-	-		0	M	0	0.00s	29.62	30.09	2.7	21	3.8	19	260	10	250	24
25	81	51	66	M	54	58	0	1	-	-	BR	0	M	0	0	29.56	30.01	1.1	27	3.2	14	340	10	340	25
26	81	43	62	M	53	57	3	0	-	-	FG+ BR	0	M	0	0	29.48	29.94	3.3	14	3.8	17	200	12	180	26
27	81	65	73*	M	55	62	0	8	-	-		0	M	0	0	29.38	29.83	17.1	20	17.3	43s	200	33	200	27
28	71	48	60	M	48	54	5	0	-	-	RA BR	0	M	0	0.55	29.59	30	3.9	27	6.3	26	350	20	240	28
29	62	35	49	M	37	44	16	0	-	-		0	M	0	0	29.7	30.14	3.3	32	4.2	20	310	16	310	29
30	63	31*	47	M	39	44	18	0	-	-	RA BR	0	M	0	0.01	29.64	30.1	2	19	3.1	16	220	10	210	30
31	51	35	43*	M	31	39	22	0	-	-	BR	0	M	0	T	29.78	30.21	13.2	34	12.9	41	330	27	340	31

69.7	45.7	57.7		48.9	53.1	7.8	0.7	<-----Monthly Averages Totals----->						M	M	2.80s	29.52	29.97	2.5	24	6.7	<Monthly Average					
M	M	M						<-----Departure From Normal----->								M											

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

QUALITY CONTROLLED LOCAL CLIMATOLOGICAL DATA (final) NOAA, National Climatic Data Center Month: 11/2014	Station Location: SOUTHERN ILLINOIS AIRPORT (93810) CARBONDALE/MURPHYBORO, IL Lat. 37.779 Lon. -89.249 Elevation(Ground): 406 ft. above sea level
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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	50	25	38	M	24	32	27	0	-	-		0	M	0	0	29.95	30.41	6.5	35	6.9	20s	10	15	350	1							
2	54	21	38	M	25	34	27	0	-	-	BR	0	M	0	T	29.91	M	4.2	16	4.8	17	210	14	200	2							
3	67	41	54	M	31	43	11	0	-	-		0	M	0	0	29.78	30.25	10.4	19	11	31	210	23	210	3							
4	56	49	53	M	45	48	12	0	-	-	RA BR	0	M	0	0.84	29.7	30.16	6.5	22	8	24	210	20	200	4							
5	54	40	47	M	44	46	18	0	-	-	FG+ BR	0	M	0	0	29.7	30.17	2.5	21	3	16	180	13	200	5							
6	53	29	41	M	34	40	24	0	-	-		0	M	0	0	29.72	30.16	8.6	29	9.7	32	280	23	290	6							
7	54	24	39	M	30	35	26	0	-	-		0	M	0	0	29.65	30.14	3.6	20	4.5	17	220	14	210	7							
8	52	30	41	M	34	38	24	0	-	-	BR	0	M	0	0	29.55	30.01	3.6	29	7.4	25	340	18	340	8							
9	57	25	41	M	33	38	24	0	-	-	BR	0	M	0	0	29.51	29.99	6.3	19	6.5	23	200	18	190	9							
10	70*	42	56*	M	40	48	9	0	-	-	RA	0	M	0	0.00s	29.31	29.77	12.3	18	12.5	38	190	30	180	10							
11	60	33	47	M	34	40	18	0	-	-	RA	0	M	0	T	29.57	29.97	7.7	30	15.1	30	310	23	320	11							
12	36	28	32	M	21	29	33	0	-	-		0	M	0	0	29.91	30.34	9.1	34	9.4	22	300	15	320	12							
13	34	21	28	M	13	23	37	0	-	-		0	M	0.0s	T	29.98	30.43	8.9	33	9.1	23	330	18	330	13							
14	35	15	25	M	14	21	40	0	-	-		0	M	0	0	29.96	30.44	2.4	32	3.4	13	60	10	340	14							
15	40	16	28	M	18	26	37	0	-	-	RA SN	M	M	M	0.01	29.85	30.34	1.2	12	2.5	16	110	10	60	15							
16	37	31	34	M	28	31	31	0	-	-	SN BR HZ	M	M	M	0.07	29.62	30.11	2.3	33	2.7	14	320	10	340	16							
17	31	18	25	M	13	21	40	0	-	-	SN	M	M	M	T	29.7	30.15	11.6	30	12	29	300	21	310	17							
18	30	13*	22*	M	8	18	43	0	-	-		M	M	M	0	29.83	30.3	6.8	25	8.9	25	260	20	260	18							
19	49	23	36	M	22	31	29	0	-	-		M	M	0	0	29.63	30.1	9.6	22	13.1	30	210	23	210	19							
20	40	15	28	M	16	24	37	0	-	-		0	M	0	0	29.82	30.27	1.7	28	2.4	19	290	10	240	20							
21	47	18	33	M	22	30	32	0	-	-	RA	0	M	M	T	29.9	30.37	5.2	11	6	20	120	16	120	21							
22	64	42	53	M	40	47	12	0	-	-	RA	0	M	M	T	29.61	30.1	13.3	19	13.7	40	200	32	210	22							
23	58	51	55	M	49	51	10	0	-	-	RA BR	0	M	0	0.75	29.04	29.57	8.2	17	10.1	26	220	22	220	23							
24	60	31	46	M	34	41	19	0	-	-	TSRA RA BR	0	M	0	0.28	29.34	29.72	10.4	26	11.5	44	240	31	230	24							
25	41	22	32	M	25	30	33	0	-	-	BR	0	M	0	0	29.72	30.14	3	29	4	19	290	13	310	25							
26	40	18	29	M	27	29	36	0	-	-	RA SN FG BR	M	M	M	0.24	29.64	30.09	2.4	15	4.6	19	160	15	160	26							
27	34	22	28	M	25	28	37	0	-	-	BR HZ	0	M	M	0.02	29.98	30.43	6.3	34	6.9	25	340	21	340	27							
28	48	24	36	M	27	34	29	0	-	-	BR	0	M	0	0	29.69	30.19	12.7	18	13.4	37	190	30	200	28							
29	61	43	52	M	45	49	13	0	-	-		0	M	0	0	29.39	29.87	20.5	20	20.6	44	210	31	200	29							
30	67	36	52	M	50	53	13	0	-	-	RA BR HZ	0	M	0	0.06	29.55	29.97	11.7	21	17.7	39	200	31	210	30							
	49.3	28.2	38.8		29	35.3	26	0	<-----Monthly Averages Totals----->										M	M	2.27s	29.68	30.14	3.7	23	8.7	<Monthly Average					
	M	M	M		<-----Departure From Normal----->										M																	

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

QUALITY CONTROLLED LOCAL CLIMATOLOGICAL DATA (final) NOAA, National Climatic Data Center Month: 12/2014	Station Location: SOUTHERN ILLINOIS AIRPORT (93810) CARBONDALE/MURPHYBORO, IL Lat. 37.779 Lon. -89.249 Elevation(Ground): 406 ft. above sea level
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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	36	28	32	M	25	28	33	0	-	-	FZRA BR UP	0	M	0	0.16	30.02	30.49	10.7	36	10.4	25	360	20	340	1
2	34	29	32	M	28	30	33	0	-	-	BR	0	M	0	0	29.81	30.29	2.6	26	5.4	13	220	10	230	2
3	47	32	40	M	31	35	25	0	-	-		0	M	0	0	29.86	30.33	1	24	2.4	9	230	7	40	3
4	41	37	39	M	36	38	26	0	-	-	RA BR	0	M	0	0.15	29.8	30.27	4.4	9	4.9	17	120	13	110	4
5	53	40	47	M	44	45	18	0	-	-	RA FG+ FG BR	0	M	0	0.95	29.64	30.11	1.9	2	4	22	330	17	330	5
6	45	38	42	M	36	39	23	0	-	-	RA BR HZ	0	M	0	0.07	30	30.42	11.2	35	11.6	26	350	21	340	6
7	44	35	40	M	32	36	25	0	-	-		0	M	0	0	29.96	30.44	4.8	8	5.3	16	80	13	70	7
8	51	33	42	M	35	39	23	0	-	-	BR	0	M	0	0	29.73	30.22	4.9	24	6	19	280	15	270	8
9	42	34	38	M	30	34	27	0	-	-		0	M	0	0	29.88	30.33	10	34	10.2	24	340	20	330	9
10	37	33	35	M	28	32	30	0	-	-		0	M	0	0	29.87	30.33	4.7	36	5.5	14	340	10	350	10
11	39	23	31	M	24	29	34	0	-	-		0	M	0	0	29.85	30.32	2	35	3	13	10	9	350	11
12	51	23	37	M	31	35	28	0	-	-	BR	0	M	0	0	29.9	30.36	2.5	19	3.1	12	190	9	190	12
13	51	42	47	M	38	42	18	0	-	-		0	M	0	0	29.78	30.26	5.6	19	5.8	14	200	12	200	13
14	61*	47	54*	M	45	48	11	0	-	-		0	M	0	0	29.64	30.11	7.3	17	7.8	20	150	16	170	14
15	55	45	50	M	45	47	15	0	-	-	RA BR VCTS	0	M	0	0.47	29.36	29.84	6.1	16	9	28s	250	23	260	15
16	49	33	41	M	32	36	24	0	-	-		0	M	0	T	29.67	30.09	10.9	29	11.6	27	310	20	300	16
17	39	30	35	M	25	31	30	0	-	-		0	M	0	0	29.85	30.3	3.1	34	4.4	16	320	12	310	17
18	35	30	33	M	28	31	32	0	-	-	SN BR UP	0	M	M	0.04	29.81	30.28	2.4	6	2.8	10	90	8	60	18
19	38	31	35	M	27	31	30	0	-	-		0	M	0	0	29.83	30.3	3.3	7	3.8	10	80	8	110	19
20	44	31	38	M	29	33	27	0	-	-		0	M	0	0	29.82	30.28	2.2	10	2.3	9	120	7	120	20
21	47	25	36	M	28	32	29	0	-	-	BR	0	M	0	0	29.66	30.16	3.1	11	3.5	13	110	10	100	21
22	53	39	46	M	43	45	19	0	-	-	RA BR	0	M	0	0.23	29.23	29.74	8.1	16	9.1	23	150	17	140	22
23	53	38	46	M	42	44	19	0	-	-	RA FG+ BR	0	M	0	0.04	29.28	29.73	0.6	3	3.4	19	220	15	210	23
24	44	38	41	M	37	39	24	0	-	-	RA BR	0	M	0	0.12	29.31	29.74	6.8	29	7.9	24	310	18	320	24
25	49	31	40	M	33	38	25	0	-	-	RA	0	M	0	T	29.62	30.05	9.7	20	10.7	28	190	24	210	25
26	55	36	46	M	38	43	19	0	-	-	RA	0	M	0	T	29.67	30.13	12.5	19	12.7	33	200	26	200	26
27	50	37	44	M	42	43	21	0	-	-	RA BR	0	M	0	0.46	29.7	30.14	3.3	26	9	22	320	16	320	27
28	37	31	34	M	27	31	31	0	-	-		0	M	0	0	29.77	30.23	6.4	35	7.2	19	330	15	360	28
29	37	24	31	M	25	28	34	0	-	-	BR	0	M	0	0	29.86	30.31	4.5	3	4.9	17	50	13	60	29
30	34	22	28	M	20	25	37	0	-	-		0	M	0	0	30.16	30.6	8.6	1	8.8	22	10	16	10	30
31	29	17*	23*	M	8	19	42	0	-	-		0	M	0	0	30.07	30.57	2.2	32	5.3	17	360	14	360	31

<-----Monthly Averages Totals----->	M	M	2.53s	29.75	30.21	0.7	32	6.5	<Monthly Average																
<-----Departure From Normal----->											M														

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