

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							
	Depth		Water Equiv		Snow Fall		Water Equiv									Speed	Dir	Speed	Dir											
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26					
1	86*	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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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		
																					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	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			
	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	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	
	44.5	32.6	38.6		32	35.7	26.2	0	<-----Monthly Averages Totals----->				M	M	2.53s	29.75	30.21	0.7	32	6.5	<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: 01/2015											Station Location: SOUTHERN ILLINOIS AIRPORT (93810) CARBONDALE/MURPHYBORO, IL Lat. 37.779 Lon. -89.249 Elevation(Ground): 406 ft. above sea level																				
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	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	41	22	32	M	21	28	33	0	-	-		0	M	0	0	29.81	30.29	9.4	22	9.4	21	220	16	220	1						
2	39	33	36	M	33	34	29	0	-	-	RA BR	0	M	0	0.46	29.77	30.26	3.7	12	4.5	16	120	13	110	2						
3	55	37	46*	M	44	45	19	0	-	-	RA BR	0	M	0	1.06	29.38	29.87	1.8	19	4.3	31	130	24	130	3						
4	48	19	34	M	25	29	31	0	-	-	RA BR	0	M	M	0.02	29.88	30.26	11.6	30	12.6	30	320	22	290	4						
5	27	15	21	M	10	19	44	0	-	-		0	M	0	0	30.09	30.57	1	32	6.8	20	320	16	340	5						
6	32	22	27	M	15	23	38	0	-	-		0	M	0	0	29.93	30.42	6	30	8.7	24	340	17	310	6						
7	25	4	15	M	1	11	50	0	-	-	SN	0	M	M	T	30.32	30.76	13.9	34	14.2	34	360	28	340	7						
8	26	2*	14*	M	2	12	51	0	-	-		0	M	0	0	29.91	30.44	14.1	21	14.5	35s	190	29	200	8						
9	27	9	18	M	3	16	47	0	-	-		0	M	0	0	30.03	30.5	9	32	10	30	340	24	330	9						
10	31	3	17	M	5	16	48	0	-	-	HZ	0	M	0	0	30.03	30.51	6.8	18	7	19	190	15	200	10						
11	36	31	34	M	24	30	31	0	-	-	RA BR UP	0	M	M	0.19	29.85	30.34	9.1	19	9.9	23	210	20	210	11						
12	35	22	29	M	26	30	36	0	-	-	RA BR	0	M	M	0.21	29.96	30.4	10.1	36	10.3	28	350	21	360	12						
13	25	19	22	M	15	20	43	0	-	-		0	M	0	0	30.06	30.54	7.2	2	7.9	22	30	16	360	13						
14	28	14	21	M	15	21	44	0	-	-		0	M	0	0	29.9	30.39	1	36	1.6	13	310	9	310	14						
15	41	26	34	M	24	28	31	0	-	-	SN BR	M	M	M	0.01	29.75	30.23	5.2	22	5.7	14	250	12	250	15						
16	51	23	37	M	27	32	28	0	-	-	BR	0	M	0	0	29.71	30.19	3.9	20	4.5	12	190	10	200	16						
17	54	32	43	M	33	39	22	0	-	-	RA	0	M	M	T	29.47	29.95	14.4	20	15.1	36	200	29	210	17						
18	57*	29	43	M	27	36	22	0	-	-		0	M	0	0	29.56	30.02	5	25	8.1	22	270	16	280	18						
19	56	24	40	M	28	34	25	0	-	-		0	M	0	0	29.47	29.94	0.7	15	1.5	10	170	9	170	19						
20	54	24	39	M	30	35	26	0	-	-		0	M	M	T	29.55	29.99	2.5	32	3.2	15	330	12	350	20						
21	54	24	39	M	27	33	26	0	-	-	SN	0	M	M	0.00s	29.74	30.17	3.8	29	5.9	26	260	18	260	21						
22	40	22	31	M	26	29	34	0	-	-	BR	0	M	0	0	29.96	30.41	3.4	35	3.8	13	330	10	350	22						
23	40	20	30	M	25	29	35	0	-	-	BR HZ	0	M	0	0	29.66	30.16	3.8	1	4.5	15	350	13	350	23						
24	54	19	37	M	27	33	28	0	-	-	BR	0	M	0	0	29.39	29.88	6.4	22	7	18	220	15	230	24						
25	46	33	40	M	35	38	25	0	-	-	RA BR	0	M	M	0.42	29.28	29.71	5.1	28	12.3	37	340	26	340	25						
26	37	26	32	M	26	30	33	0	-	-	SN	0	M	M	T	29.53	29.98	4.6	29	9.1	27s	340	21	330	26						
27	43	27	35	M	29	33	30	0	-	-	BR	0	M	0	0	29.7	30.13	5.2	35	6.5	23	360	17	360	27						
28	49	21	35	M	27	33	30	0	-	-	BR	0	M	M	T	29.67	30.16	8.3	17	8.7	32	200	24	190	28						
29	51	36	44	M	32	38	21	0	-	-		0	M	0	0	29.72	30.14	9.8	29	14.4	35	320	25	320	29						
30	41	22	32	M	21	29	33	0	-	-		0	M	0	0	30.02	30.47	5	35	5.6	26	330	21	340	30						
31	43	24	34	M	24	31	31	0	-	-		0	M	0	0	29.8	30.3	3.4	16	4.4	14	110	12	110	31						
	41.5	22.1	31.8		22.8	28.8	33	0	<-----Monthly Averages Totals----->											M	M	2.37s	29.77	30.23	2.5	27	7.8	<Monthly Average			

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

QUALITY CONTROLLED LOCAL CLIMATOLOGICAL DATA (final) NOAA, National Climatic Data Center Month: 02/2015											Station Location: SOUTHERN ILLINOIS AIRPORT (93810) CARBONDALE/MURPHYBORO, IL Lat. 37.779 Lon. -89.249 Elevation(Ground): 406 ft. above sea level																				
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								
																					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	47	30	39	M	35	39	26	0	-	-	RA BR UP	0	M	M	0.44	29.33	29.78	5.2	25	10.8	33	330	25	320	1						
2	30	18	24	M	14	20	41	0	-	-	SN	0	M	M	T	29.82	30.26	9.2	32	10.4	39	310	29	320	2						
3	42	17	30	M	22	28	35	0	-	-		0	M	0	0	29.76	30.23	9.9	20	10.3	24	190	20	210	3						
4	49	22	36	M	25	31	29	0	-	-	SN HZ	0	M	M	T	29.76	30.2	6	31	12.8	31	350	24	340	4						
5	29	12	21	M	9	17	44	0	-	-		0	M	0	0	30	30.47	4.3	36	5.3	29	350	22	350	5						
6	46	14	30	M	21	29	35	0	-	-		0	M	0	0	29.75	30.25	11.5	20	11.7	28	190	23	200	6						
7	59	35	47	M	36	42	18	0	-	-		0	M	0	0	29.44	29.94	17.8	20	17.9	42	210	31	210	7						
8	65*	41	53*	M	44	49	12	0	-	-	HZ	0	M	0	0	29.35	29.79	9.1	22	13.8	30	200	25	210	8						
9	42	30	36	M	28	32	29	0	-	-	SN BR HZ	0	M	M	T	29.68	30.1	13.2	35	13.4	25	340	20	350	9						
10	45	26	36	M	24	30	29	0	-	-		0	M	0	0	29.7	30.16	3.8	4	5.9	16	10	13	90	10						
11	51	22	37	M	25	31	28	0	-	-		0	M	0	0	29.72	30.17	7	33	8	27	340	18	340	11						
12	29	17	23	M	9	19	42	0	-	-	SN	0	M	M	T	29.98	30.44	11.6	34	12.8	42	340	32	340	12						
13	34	15	25	M	13	22	40	0	-	-		0	M	0	0	29.8	30.3	6.9	20	7.2	19	210	15	240	13						
14	42	14	28	M	13	23	37	0	-	-		0	M	0	0	29.79	30.23	8.5	33	12.8	36	340	30	340	14						
15	21	10	16	M	0	14	49	0	-	-		0	M	0	0	29.95	30.44	8.5	7	9.2	21	60	15	30	15						
16	20	3	12	M	10	15	53	0	-	-	SN FG+ FZFG BR HZ	M	M	M	0.26	29.65	30.14	7.2	1	8.7	22	350	17	340	16						
17	29	-6	12	M	11	16	53	0	-	-	SN BR HZ	M	M	M	0.02	29.6	30.1	6	22	6.5	16	190	13	190	17						
18	27	2	15	M	0	11	50	0	-	-	SN BR	M	M	M	0.01	29.78	30.22	11.1	32	11.5	37	320	28	310	18						
19	15	-7*	4*	M	-3	7	61	0	-	-		M	M	0	0	29.99	30.45	2.6	34	6	16	360	13	360	19						
20	31	10	21	M	8	16	44	0	-	-	FZRA BR UP	0	M	M	0.37	29.7	30.22	9.4	15	9.9	24	180	18	170	20						
21	33	24	29	M	27	29	36	0	-	-	FZRA FG+ FZFG BR UP	0	M	M	0.45	29.57	30.02	3.1	34	4.2	18	320	13	330	21						
22	31	18	25	M	18	24	40	0	-	-	BR	0	M	0	0	30.03	30.44	10.5	36	10.7	26	360	21	350	22						
23	19	8	14	M	2	12	51	0	-	-		0	M	0	0	30.13	30.62	9.2	36	9.4	28	360	22	360	23						
24	33	13	23	M	10	19	42	0	-	-		0	M	0	0	29.61	30.14	7.3	21	8.1	22	230	17	200	24						
25	40	15	28	M	20	25	37	0	-	-		0	M	0	0	29.46	29.95	1	11	2.7	11	200	10	200	25						
26	29	16	23	M	18	22	42	0	-	-	SN BR HZ	0	M	M	T	29.8	30.2	10.9	34	11.5	28	360	21	350	26						
27	23	7	15	M	6	14	50	0	-	-	SN	0	M	M	T	30.16	30.61	4.6	36	6.8	19	350	16	330	27						
28	32	18	25	M	14	22	40	0	-	-	SN	0	M	M	T	30.08	30.57	5.4	7	6.4	13	100	12	110	28						
	35.5	15.9	25.7		16.4	23.5	39	0	<-----Monthly Averages Totals----->											M	M	1.55s	29.77	30.23	2.4	31	9.5	<Monthly Average			

* 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: 03/2015	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	35	28	32	M	27	30	33	0	-	-	FZRA SN BR HZ	0	M	M	0.12	29.95	30.4	3.6	33	5.4	16	130	13	130	1						
2	39	21	30	M	21	28	35	0	-	-	BR HZ	M	M	0	0	29.96	30.45	5.3	5	6.6	18	60	14	50	2						
3	46	32	39	M	36	39	26	0	-	-	RA FG BR	0	M	M	0.42	29.47	29.96	8.1	19	9.5	32	180	23	190	3						
4	41	18	30	M	20	24	35	0	-	-	RA FZRA SN FG+ FZFG BR	0	M	M	0.38	29.75	30.17	11.3	35	11.5	29	340	23	350	4						
5	23	3	13*	M	6	16	52	0	-	-		M	M	0	0	30.09	30.51	7.1	36	7.6	22	330	17	330	5						
6	31	-3*	14	M	8	15	51	0	-	-	BR	0	M	0	0	30.01	30.51	8.9	20	9	28	200	23	190	6						
7	48	25	37	M	24	31	28	0	-	-		0	M	0	0	29.8	30.29	12.1	20	12.2	22	200	18	190	7						
8	56	28	42	M	32	37	23	0	-	-		M	M	0	0	29.73	30.2	6.2	19	6.6	23	210	17	200	8						
9	50	38	44	M	40	43	21	0	-	-	RA BR	0	M	0	0.08	29.69	30.16	6.6	18	7.2	16	190	14	190	9						
10	51	45	48	M	45	46	17	0	-	-	RA FG BR	0	M	0	0.61	29.57	30.01	4.4	1	5.6	16	80	14	80	10						
11	66	42	54	M	44	47	11	0	-	-	FG+ BR	0	M	0	0	29.82	30.25	1	3	1.7	10	10	7	40	11						
12	66	34	50	M	43	48	15	0	-	-	FG BR HZ	0	M	M	Ts	29.83	30.29	5.8	9	6.1	23	120	17	130	12						
13	56	48	52	M	50	50	13	0	-	-	RA BR	0	M	M	2.79	29.6	30.08	2.9	7	3.4	11	60	8	60	13						
14	60	43	52	M	48	50	13	0	-	-	RA BR	0	M	M	0.03	29.67	30.1	5.8	33	6.2	20	350	16	350	14						
15	70	34	52	M	39	46	13	0	-	-	BR	0	M	0	0	29.8	30.25	2.3	22	3.3	14	180	12	190	15						
16	76*	44	60	M	48	54	5	0	-	-	RA	0	M	M	0.00s	29.59	30.07	9.3	21	10.1	28	190	22	200	16						
17	61	40	51	M	36	45	14	0	-	-	HZ	0	M	0	0	29.75	30.18	8.9	1	11.4	30	40	22	350	17						
18	46	38	42	M	24	36	23	0	-	-	RA	0	M	0	0.01	29.77	30.23	9.2	7	9.5	26	90	20	100	18						
19	49	39	44	M	36	40	21	0	-	-	RA	0	M	M	0.01	29.65	30.12	4.8	6	5.3	18	60	14	60	19						
20	55	42	49	M	39	43	16	0	-	-	RA BR	0	M	0	T	29.7	30.15	2.7	30	5.4	14	340	12	320	20						
21	72	39	56	M	42	49	9	0	-	-	BR	0	M	0	0	29.67	30.12	1.2	23	5.1	16	360	10	330	21						
22	66	41	54	M	39	47	11	0	-	-		0	M	0	0	29.62	30.08	5.9	6	6.2	17	70	14	110	22						
23	73	35	54	M	39	46	11	0	-	-		0	M	0	0	29.61	30.06	1.3	28	6.6	25	10	21	350	23						
24	48	36	42	M	36	40	23	0	-	-	TS TSRA RA BR VCTS	0	M	0	0.13	29.54	30.04	5.5	6	8.1	24	100	21	90	24						
25	69	38	54	M	47	51	11	0	-	-	RA FG+ FG BR VCTS	0	M	M	1.1	29.54	30	3.9	36	6.7	21	30	16	240	25						
26	49	32	41	M	36	40	24	0	-	-	RA BR	0	M	M	0.43	29.57	30.02	8.7	35	9.6	25	350	20	330	26						
27	40	27	34	M	27	32	31	0	-	-	RA SN BR	0	M	M	T	29.69	30.13	8.3	34	8.7	23	350	20	340	27						
28	45	24	35	M	19	29	30	0	-	-		0	M	0	0	29.84	30.29	2.5	9	3.2	12	20	8	40	28						
29	59	28	44	M	31	40	21	0	-	-		0	M	0	0	29.65	30.13	11.1	20	12.5	37s	200	29	190	29						
30	67	41	54	M	33	44	11	0	-	-		0	M	0	0	29.65	30.12	2.4	27	6.5	22	180	18	180	30						
31	74	46	60*	M	38	49	5	0	-	-		0	M	0	0	29.5	29.95	3.2	31	7.7	20s	320	15	350	31						
	54.4	33.1	43.8		34	39.8	21	0	<-----Monthly Averages Totals----->											M	M	6.11s	29.71	30.16	0.6	36	7.2	<Monthly Average			

* 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: 04/2015	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	76	38	57	M	39	50	8	0	-	-		0	M	0	0	29.52	29.98	7.9	16	8.2	26	200	21	180	1						
2	76	60	68	M	60	62	0	3	-	-	TSRA RA BR VCTS	0	M	0	0.82	29.36	29.83	13	21	13.8	43	220	32	230	2						
3	65	42	54	M	48	52	11	0	-	-	TSRA RA BR VCTS	0	M	0	1.9	29.57	29.96	8.1	34	11.6	33	320	24	350	3						
4	59	33	46*	M	29	40	19	0	-	-		0	M	0	0	29.88	30.32	1.2	31	3.4	14	340	12	340	4						
5	62	33*	48	M	34	43	17	0	-	-		0	M	0	T	29.67	30.15	6.8	19	6.9	22	210	16	190	5						
6	62	52	57	M	50	53	8	0	-	-	RA BR VCTS	0	M	0	0.04	29.54	30.01	9.3	18	9.6	22	200	16	190	6						
7	72	60	66	M	61	63	0	1	-	-	TS TSRA RA BR VCTS	0	M	0	1.2	29.49	29.95	10.7	19	11.9	36	190	26	180	7						
8	78	64	71*	M	63	66	0	6	-	-	TS	0	M	0	0.03	29.47	29.89	11.2	19	11.6	40	150	28	160	8						
9	79	60	70	M	62	66	0	5	-	-	TSRA RA	0	M	0	0.38	29.35	29.78	18	20	19.9	47	200	37	200	9						
10	68	46	57	M	39	48	8	0	-	-		0	M	0	0	29.66	30.07	8.3	31	9.5	36	300	24	300	10						
11	67	43	55	M	37	47	10	0	-	-		0	M	0	0	29.75	30.2	3.4	9	4.2	14	30	10	50	11						
12	77	47	62	M	41	52	3	0	-	-		0	M	0	0	29.58	30.05	6.1	15	6.7	25	170	21	160	12						
13	72	55	64	M	53	57	1	0	-	-	RA BR	0	M	0	0.04	29.61	30.06	2.5	3	7.7	22	290	16	360	13						
14	68	52	60	M	40	50	5	0	-	-	RA	0	M	0	0.06	29.68	30.12	8.6	4	9.2	27	70	20	50	14						
15	67	54	61	M	47	53	4	0	-	-	RA	0	M	0	0.01	29.59	30.04	7.3	8	8.1	19	60	15	110	15						
16	73	56	65	M	56	59	0	0	-	-	RA BR	0	M	0	0.04	29.61	30.05	1.4	3	2.4	12	130	9	130	16						
17	78	49	64	M	58	60	1	0	-	-	FG+ FG BR	0	M	0	0	29.62	30.04	1.2	7	1.7	13	360	8	220	17						
18	79*	55	67	M	57	61	0	2	-	-	FG BR HZ	0	M	0	0	29.52	29.93	3.4	10	4.1	16	120	13	110	18						
19	68	57	63	M	59	60	2	0	-	-	RA BR VCTS	0	M	0	0.84	29.11	29.59	0.4	17	5.7	18	290	14	290	19						
20	61	43	52	M	40	48	13	0	-	-	RA	0	M	0	0.01	29.31	29.72	10	29	10.8	30	320	22	310	20						
21	66	39	53	M	40	48	12	0	-	-	RA	0	M	0	0.04	29.39	29.83	9.8	23	10.4	31	220	24	240	21						
22	61	39	50	M	33	44	15	0	-	-		0	M	0	0	29.52	29.96	7	31	8	24	320	18	310	22						
23	65	35	50	M	32	43	15	0	-	-		0	M	0	0	29.64	30.07	2.1	36	3.1	18	340	14	340	23						
24	62	38	50	M	38	46	15	0	-	-	BR	0	M	0	T	29.47	29.96	6.7	16	7	22	190	18	180	24						
25	77	52	65	M	55	57	0	0	-	-	FG BR VCTS	0	M	0	0.26	29.14	29.59	1.8	20	9.6	28	200	22	210	25						
26	65	48	57	M	40	48	8	0	-	-	BR	0	M	0	0	29.46	29.88	9.1	1	9.6	23	40	16	340	26						
27	67	39	53	M	37	46	12	0	-	-		0	M	0	0	29.59	30.03	6.5	1	7	29	340	18	350	27						
28	66	41	54	M	40	47	11	0	-	-		0	M	0	0	29.56	30.03	4.9	4	5.9	23	40	16	30	28						
29	73	40	57	M	41	49	8	0	-	-	BR	0	M	0	0	29.42	29.89	4.9	35	5.6	26	330	18	10	29						
30	70	43	57	M	39	48	8	0	-	-		0	M	0	0	29.49	29.92	6.2	1	7.8	30	360	22	330	30						
	69.3	47.1	58.2		45.6	52.2	7.1	0.6	<----Monthly Averages Totals---->											M	M	5.67s	29.52	29.96	1	21	8	<Monthly Average			

* 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: 05/2015											Station Location: SOUTHERN ILLINOIS AIRPORT (93810) CARBONDALE/MURPHYBORO, IL Lat. 37.779 Lon. -89.249 Elevation(Ground): 406 ft. above sea level																				
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						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 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	24	25	26			
1	69	36*	53	M	38	47	12	0	-	-		0	M	0	0	29.68	30.14	0.8	5	2.4	14	20	10	350	1						
2	75	44	60	M	44	52	5	0	-	-		0	M	0	0	29.62	30.08	2.6	18	3.8	16	190	13	230	2						
3	80	53	67	M	48	57	0	2	-	-		0	M	0	0	29.58	30.03	7.6	19	7.9	27	190	21	200	3						
4	85	57	71	M	54	61	0	6	-	-		0	M	0	0	29.68	30.11	8.3	19	8.7	26	170	21	190	4						
5	85	54	70	M	57	62	0	5	-	-		0	M	0	0	29.72	30.16	4.8	19	5.2	22	210	17	170	5						
6	86	57	72	M	55	62	0	7	-	-		0	M	0	0	29.64	30.09	6.1	17	6.8	26	160	17	180	6						
7	85	56	71	M	59	64	0	6	-	-	RA	0	M	0	0.03	29.57	30.02	7.9	18	8.7	27	210	23	220	7						
8	85	66	76*	M	63	66	0	11	-	-	TSRA RA	0	M	0	0.38	29.53	29.97	8.6	19	9.2	38	220	29	230	8						
9	77	62	70	M	65	67	0	5	-	-	RA FG+ BR	0	M	0	0.39	29.54	29.99	5.8	18	6.4	26	200	21	190	9						
10	83	65	74	M	65	67	0	9	-	-	TSRA RA BR VCTS	0	M	0	0.21	29.54	29.98	8.6	19	9.3	44	280	30	280	10						
11	73	59	66	M	61	63	0	1	-	-	TSRA RA BR	0	M	0	0.58	29.56	29.97	5	22	7.9	25	320	20	320	11						
12	68	49	59	M	45	52	6	0	-	-		0	M	0	0	29.8	30.22	6.3	30	7.2	24	310	17	320	12						
13	73	44	59	M	47	53	6	0	-	-	FG BR	0	M	0	0	29.85	30.31	5.1	7	5.4	16	60	13	60	13						
14	74	54	64	M	54	58	1	0	-	-	RA	0	M	0	0.02	29.7	30.17	5.3	14	6	19	180	15	120	14						
15	85	59	72	M	62	65	0	7	-	-	VCTS	0	M	0	0.21	29.59	30.05	5.4	19	6.9	42	250	29	250	15						
16	75	68	72	M	66	67	0	7	-	-		0	M	0	0	29.55	30.02	7.7	17	8.7	22	180	17	170	16						
17	81	68	75	M	67	69	0	10	-	-	RA BR	0	M	0	0.16	29.57	30.01	9.3	18	10.6	30	210	22	200	17						
18	82	63	73	M	65	68	0	8	-	-	RA BR VCTS	0	M	0	0.1	29.65	30.08	3.3	21	6.3	16	350	13	200	18						
19	69	52	61	M	48	54	4	0	-	-		0	M	0	0	29.73	30.18	6.6	36	7.3	19	350	15	350	19						
20	56	48	52*	M	47	50	13	0	-	-	RA BR	0	M	0	0.46	29.62	30.08	6.2	3	7.9	21s	360	15	360	20						
21	61	45	53	M	43	47	12	0	-	-		0	M	0	0	29.74	30.19	6.2	33	8	25	340	20	340	21						
22	73	43	58	M	49	54	7	0	-	-		0	M	0	0	29.8	30.25	4.4	22	4.8	16	240	13	220	22						
23	79	57	68	M	52	59	0	3	-	-		0	M	0	0	29.78	30.24	5.9	13	6.1	20	160	15	120	23						
24	86*	62	74	M	62	66	0	9	-	-	RA BR VCTS	0	M	0	0.46	29.57	30.04	11.5	17	12.3	52s	200	41	200	24						
25	79	69	74	M	66	68	0	9	-	-	RA	0	M	0	0.05	29.55	30.01	11.6	18	12.2	24	200	20	180	25						
26	77	66	72	M	64	67	0	7	-	-		0	M	0	T	29.51	29.95	13	19	14.1	31	210	24	200	26						
27	82	64	73	M	65	67	0	8	-	-	TS TSRA	0	M	0	0.13	29.64	30.06	5.9	21	7	22	170	17	160	27						
28	84	65	75	M	66	68	0	10	-	-	BR	0	M	0	0	29.65	30.1	4.7	17	5.6	19	160	14	200	28						
29	85	63	74	M	66	69	0	9	-	-	RA VCTS	0	M	0	0.07	29.57	30.02	4.7	18	8.3	22	170	17	170	29						
30	82	66	74	M	67	69	0	9	-	-	RA BR VCTS	0	M	0	0.62	29.49	29.94	4.4	19	8.1	39	230	29	230	30						
31	66	55	61	M	55	57	4	0	-	-	RA	0	M	0	0.01	29.64	30.08	7.5	35	7.7	21	340	17	340	31						
	77.4	57.1	67.3		56.9	61.1	2.3	4.8	<-----Monthly Averages Totals----->											M	M	3.88s	29.64	30.11	4	18	7.6	<Monthly Average			

* 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: 06/2015	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	64	57	61*	M	55	58	4	0	-	-	BR	0	M	0	0	29.67	30.11	5.7	2	5.9	14	350	12	350	1
2	65	58	62	M	56	58	3	0	-	-	BR	0	M	0	0	29.64	30.09	3	4	3.3	11	30	8	70	2
3	78	53*	66	M	56	60	0	1	-	-	FG BR	0	M	0	0	29.57	30.02	0.6	14	2.5	10	110	8	110	3
4	81	56	69	M	62	65	0	4	-	-	BR HZ	0	M	0	0	29.58	30.02	2.2	22	4.6	15	170	12	260	4
5	84	64	74	M	66	68	0	9	-	-	RA BR	0	M	0	0.1	29.56	30.02	1.7	25	2.6	26	30	10	300	5
6	87	65	76	M	65	68	0	11	-	-	BR	0	M	0	0	29.54	29.99	2.5	3	3.4	12	40	10	40	6
7	89	66	78	M	68	72	0	13	-	-	BR	0	M	0	0	29.43	29.89	9.8	21	10	26	210	21	210	7
8	83	68	76	M	67	69	0	11	-	-	TSRA RA BR VCTS	0	M	0	1.13	29.41	29.84	2.8	22	7.5	28	60	24	60	8
9	90	62	76	M	64	69	0	11	-	-		0	M	0	0	29.42	29.85	1.5	29	2.3	14	310	10	300	9
10	90	63	77	M	65	69	0	12	-	-	BR	0	M	0	0	29.4	29.84	3.6	19	4.3	16	250	12	200	10
11	91	66	79	M	68	72	0	14	-	-	BR	0	M	0	0	29.39	29.83	6.8	18	7.4	22	220	16	210	11
12	92	75	84*	M	70	74	0	19	-	-	VCTS	0	M	0	T	29.45	29.87	11.2	21	11.9	29	250	22	250	12
13	89	72	81	M	69	72	0	16	-	-	TSRA RA VCTS	0	M	0	0.13	29.54	29.97	10.4	19	11	40	190	30	200	13
14	88	72	80	M	71	73	0	15	-	-	RA BR VCTS	0	M	0	0.26	29.57	30	8.7	20	9.9	25	240	20	220	14
15	88	72	80	M	71	74	0	15	-	-		0	M	0	0	29.57	30.01	9.1	20	9.5	26	180	21	180	15
16	86	72	79	M	73	74	0	14	-	-	TSRA RA BR	0	M	0	2.46	29.62	30.06	1.3	33	3.7	14	40	13	40	16
17	87	72	80	M	72	74	0	15	-	-	RA BR VCTS	0	M	0	1.1	29.59	30.03	3.6	22	5.2	24	340	17	210	17
18	86	73	80	M	71	73	0	15	-	-	RA	0	M	0	0.01	29.54	29.99	3.5	19	4	20	200	16	200	18
19	80	72	76	M	71	72	0	11	-	-	RA FG BR	0	M	0	3.17	29.36	29.82	4.9	8	10.7	34s	80	24	60	19
20	85	72	79	M	70	73	0	14	-	-	BR	0	M	0	T	29.46	29.89	5.9	24	8.5	19	190	15	210	20
21	92*	72	82	M	72	75	0	17	-	-		0	M	0	0	29.54	29.97	6.7	23	8.7	30	210	24	200	21
22	89	73	81	M	73	76	0	16	-	-		0	M	0	0	29.54	29.97	10.5	21	11	25	230	21	210	22
23	88	71	80	M	71	74	0	15	-	-	RA	0	M	0	T	29.6	30.03	4.5	28	7	29	210	22	230	23
24	87	69	78	M	68	71	0	13	-	-		0	M	0	0	29.65	30.1	3.2	8	4.8	16	70	13	60	24
25	91	70	81	M	72	75	0	16	-	-	TSRA BR	0	M	0	0.16	29.53	29.98	4.3	23	7.9	42	320	31	330	25
26	85	69	77	M	68	71	0	12	-	-	RA	0	M	0	0.02	29.44	29.89	2.7	30	5.8	20	340	15	330	26
27	80	63	72	M	61	65	0	7	-	-		0	M	0	0	29.52	29.95	7.9	35	9.2	22	360	17	350	27
28	83	60	72	M	62	66	0	7	-	-	BR VCTS	0	M	0	0.15	29.46	29.91	6	20	7.4	21	220	17	200	28
29	85	68	77	M	66	69	0	12	-	-		0	M	0	0	29.4	29.84	4.6	28	6.5	18	300	14	300	29
30	84	67	76	M	67	70	0	11	-	-	BR	0	M	0	0	29.44	29.87	3.8	26	4.4	14	250	12	300	30
	84.9	67.1	76		67	70	0.2	11.5	<-----Monthly Averages Totals----->				M	M	8.70s	29.52	29.95	2.9	22	6.7	<Monthly Average				

* 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: 07/2015	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	82	70	76	M	69	71	0	11	-	-	TSRA RA BR VCTS	0	M	0	0.49	29.46	29.89	3.6	22	5.3	16	270	13	180	1
2	81	70	76	M	69	71	0	11	-	-	TSRA RA BR	0	M	0	0.86	29.41	29.85	0.9	31	4.6	28s	130	21	130	2
3	83	68	76	M	66	69	0	11	-	-	BR	0	M	0	0	29.44	29.87	3.8	33	4.9	14	320	10	340	3
4	83	67	75	M	66	69	0	10	-	-	BR HZ	0	M	0	0	29.54	29.97	1.9	6	2.7	16	150	7	20	4
5	84	65	75	M	67	70	0	10	-	-	FG+ FG BR HZ	0	M	0	0	29.59	30.03	1.1	17	1.7	12	210	9	200	5
6	85	69	77	M	72	74	0	12	-	-	BR	0	M	0	0	29.54	29.99	9.1	19	10.2	23	190	20	200	6
7	78	67	73*	M	71	72	0	8	-	-	TSRA RA BR	0	M	0	1.6	29.53	29.96	4.1	24	7.9	22	280	15	290	7
8	85	64*	75	M	69	71	0	10	-	-	RA FG BR VCTS	0	M	0	0.54	29.54	29.98	5	17	8.5	32	180	18	200	8
9	81	69	75	M	69	70	0	10	-	-	TSRA RA BR	0	M	0	0.27	29.59	30.03	2.8	29	5.7	20s	230	15	210	9
10	84	69	77	M	70	72	0	12	-	-	RA BR	0	M	0	0.49	29.65	30.08	0.9	1	5.9	17	230	14	330	10
11	90	71	81	M	73	75	0	16	-	-		0	M	0	0	29.63	30.08	4.9	19	6.2	17	190	14	190	11
12	91	77	84	M	74	77	0	19	-	-	HZ	0	M	0	0	29.52	29.97	4.5	22	6.1	18	240	13	250	12
13	93	75	84	M	76	78	0	19	-	-		0	M	0	0	29.34	29.8	9.7	22	9.9	22	220	17	220	13
14	93	77	85	M	74	77	0	20	-	-		0	M	0	0	29.31	29.73	5.9	26	7.1	20	270	14	260	14
15	86	71	79	M	68	71	0	14	-	-		0	M	0	0	29.49	29.91	4	3	4.6	15	70	12	30	15
16	87	69	78	M	72	74	0	13	-	-	BR	0	M	0	0	29.49	29.93	6.4	17	6.7	17	150	14	160	16
17	93	75	84	M	74	77	0	19	-	-	BR	0	M	0	0	29.45	29.89	8.6	21	9	22	200	18	200	17
18	93	79	86*	M	75	78	0	21	-	-		0	M	0	0	29.49	29.93	6	21	6.9	19	200	15	190	18
19	90	70	80	M	73	76	0	15	-	-	BR	0	M	0	0.38	29.49	29.92	1.9	29	5.1	33	330	25	330	19
20	85	70	78	M	74	75	0	13	-	-	TS VCTS	0	M	0	0.25	29.39	29.84	2.3	27	4.4	25	320	21	320	20
21	86	70	78	M	69	72	0	13	-	-		0	M	0	0	29.45	29.87	5.2	33	5.9	16	340	13	340	21
22	84	67	76	M	67	70	0	11	-	-	BR	0	M	0	T	29.49	29.92	2.8	9	3.7	13	90	10	200	22
23	86	69	78	M	68	71	0	13	-	-		0	M	0	0	29.51	29.94	2.8	6	3.4	13	40	10	50	23
24	89	67	78	M	69	72	0	13	-	-	BR	0	M	0	0	29.54	29.97	1.7	9	2.9	12	100	9	110	24
25	91	71	81	M	73	76	0	16	-	-	BR VCTS	0	M	0	0	29.51	29.94	1.5	20	2.2	14	160	10	150	25
26	86	73	80	M	74	75	0	15	-	-	FG BR VCTS	0	M	0	0.57	29.49	29.93	2.6	17	4.2	33	350	25	350	26
27	93	74	84	M	74	76	0	19	-	-	TS TSRA BR VCTS	0	M	0	0.74	29.49	29.93	1.7	24	5.3	42	340	33	240	27
28	94*	74	84	M	76	78	0	19	-	-	TSRA BR	0	M	0	0.28	29.51	29.94	2.3	20	4.2	23	110	17	100	28
29	92	72	82	M	75	77	0	17	-	-	BR VCTS	0	M	0	0.04	29.57	29.99	4.2	32	6.3	22	320	17	340	29
30	88	65	77	M	64	69	0	12	-	-		0	M	0	0	29.67	30.1	2.2	36	3.3	14	20	10	10	30
31	90	66	78	M	68	71	0	13	-	-		0	M	0	0	29.62	30.06	2.4	33	3.1	15	340	12	360	31
	87.3	70.3	78.8		70.9	73.4	0	14	<----Monthly Averages Totals---->				M	M	6.52s	29.51	29.95	1.7	22	5.4	<Monthly Average				

* 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: 08/2015	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	89	68	79	M	67	71	0	14	-	-	BR	0	M	0	0	29.55	30	1.1	6	1.8	13	50	10	50	1						
2	90	67	79	M	70	73	0	14	-	-		0	M	0	0	29.47	29.91	5.3	21	5.6	17	190	14	210	2						
3	92*	73	83*	M	72	75	0	18	-	-	BR	0	M	0	0	29.45	29.88	3.3	25	4.8	18	240	15	260	3						
4	91	72	82	M	71	74	0	17	-	-	BR	0	M	0	0	29.52	29.95	1.6	21	3.9	29	20	18	360	4						
5	78	70	74	M	70	71	0	9	-	-	RA BR	0	M	0	0.72	29.49	29.94	1.6	17	4.3	13	180	12	190	5						
6	84	68	76	M	69	71	0	11	-	-	RA BR	0	M	0	0.02	29.41	29.85	4.7	34	6.3	21	330	17	340	6						
7	84	63	74	M	67	69	0	9	-	-	FG+ FG BR	0	M	0	0	29.44	29.88	1.1	6	2.1	11	140	8	120	7						
8	88	66	77	M	70	72	0	12	-	-	BR	0	M	0	0	29.51	29.94	1.2	11	2.4	16	130	13	130	8						
9	85	69	77	M	72	73	0	12	-	-	TSRA RA BR VCTS	0	M	0	0.31	29.47	29.92	4.7	19	5.5	33	250	22	270	9						
10	85	71	78	M	71	73	0	13	-	-	TSRA RA BR VCTS	0	M	0	0.31	29.46	29.89	5	25	5.8	22	250	16	260	10						
11	87	66	77	M	68	71	0	12	-	-	BR	0	M	0	0	29.6	30.02	5.3	34	5.7	22	350	16	350	11						
12	84	63	74	M	63	67	0	9	-	-	BR	0	M	0	0	29.67	30.11	2	2	3.1	14	350	9	10	12						
13	86	62	74	M	64	68	0	9	-	-	BR	0	M	0	0	29.67	30.11	0.1	34	1.1	12	330	9	320	13						
14	84	64	74	M	66	68	0	9	-	-	FG+ FG BR	0	M	0	0	29.69	30.13	1.4	7	1.7	12	100	8	90	14						
15	88	62	75	M	65	68	0	10	-	-	FG+ FG BR	0	M	0	0	29.67	30.12	1.5	7	1.9	11	30	8	50	15						
16	87	64	76	M	68	71	0	11	-	-	FG BR	0	M	0	0	29.65	30.1	2.7	18	3.4	16	190	14	210	16						
17	87	66	77	M	68	71	0	12	-	-	BR	0	M	0	0	29.57	30.02	3.8	15	4.4	20	120	15	130	17						
18	87	69	78	M	70	72	0	13	-	-	RA BR VCTS	0	M	0	0.81	29.39	29.86	6.7	18	7.8	24	250	17	180	18						
19	81	62	72	M	65	67	0	7	-	-	TSRA RA BR	0	M	0	0.29	29.4	29.83	3.7	29	6.6	28	350	21	360	19						
20	80	57	69	M	57	62	0	4	-	-		0	M	0	0	29.58	30.01	3.1	27	4.4	16	320	12	310	20						
21	81	56	69	M	58	62	0	4	-	-	BR	0	M	0	0	29.64	30.08	3	12	3.2	17	120	13	140	21						
22	82	61	72	M	65	67	0	7	-	-	TSRA RA BR	0	M	0	0.12	29.58	30.02	3.2	16	4.2	25	200	20	210	22						
23	83	60	72	M	66	68	0	7	-	-	FG BR	0	M	0	0	29.55	29.98	3	28	4.4	18	330	14	320	23						
24	78	56	67	M	54	59	0	2	-	-	BR	0	M	0	0	29.62	30.06	4.1	31	5	20	280	15	290	24						
25	78	52	65	M	53	58	0	0	-	-	FG BR	0	M	0	0	29.64	30.08	3.7	31	3.8	20	310	15	330	25						
26	79	51*	65*	M	55	59	0	0	-	-	BR	0	M	0	0	29.67	30.12	2.5	35	2.8	16	30	12	20	26						
27	81	52	67	M	57	61	0	2	-	-	FG BR	0	M	0	0	29.67	30.12	0.6	5	1.5	13	310	9	290	27						
28	81	54	68	M	60	63	0	3	-	-	FG+ FG BR	0	M	0	0	29.62	30.08	2.9	14	3.6	14	120	10	170	28						
29	82	65	74	M	67	69	0	9	-	-	RA BR	0	M	0	0.09	29.59	30.03	3.2	18	4.7	16	210	14	190	29						
30	86	68	77	M	69	71	0	12	-	-	BR	0	M	0	T	29.59	30.03	5.1	18	5.6	16	170	13	200	30						
31	86	68	77	M	69	71	0	12	-	-		0	M	0	0	29.62	30.06	4.5	18	5	16	190	13	190	31						
	84.3	63.4	73.9		65.4	68.2	0	9.1	<----Monthly Averages Totals---->											M	M	2.67s	29.57	30.01	1	21	4.1	<Monthly Average			

* 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: 09/2015											Station Location: SOUTHERN ILLINOIS AIRPORT (93810) CARBONDALE/MURPHYBORO, IL Lat. 37.779 Lon. -89.249 Elevation(Ground): 406 ft. above sea level																				
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						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 5-second		max 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	88	66	77	M	69	71	0	12	-	-	BR	0	M	0	0	29.64	30.08	3.6	20	3.7	16	220	13	210	1						
2	89	66	78	M	68	71	0	13	-	-	FG BR	0	M	0	0	29.6	30.05	1.6	19	2	14	200	10	220	2						
3	90	66	78	M	68	71	0	13	-	-	FG+ FG BR	0	M	0	0	29.53	29.98	2.2	21	2.4	12	230	10	200	3						
4	91	66	79	M	69	72	0	14	-	-	FG BR	0	M	0	0	29.57	30	0.8	24	1.3	12	220	9	220	4						
5	92	66	79	M	69	72	0	14	-	-	FG+ FG BR HZ	0	M	0	0	29.61	30.05	1.4	10	1.6	10	80	7	120	5						
6	92*	66	79	M	69	72	0	14	-	-	FG+ FG BR HZ	0	M	0	0	29.59	30.03	2.3	16	3	12	180	8	170	6						
7	90	69	80*	M	69	72	0	15	-	-	BR	0	M	0	0	29.57	30.01	3.9	19	4.3	18	180	13	180	7						
8	90	67	79	M	68	72	0	14	-	-	TSRA RA BR	0	M	0	0.19	29.48	29.93	3.6	20	7	24	210	18	210	8						
9	79	64	72	M	68	69	0	7	-	-	RA FG BR	0	M	0	1.63	29.49	29.93	2.2	2	3.8	15	40	10	10	9						
10	85	62	74	M	66	68	0	9	-	-	FG BR	0	M	0	0	29.47	29.91	1.5	28	2.2	14	320	10	320	10						
11	76	58	67	M	61	63	0	2	-	-	RA BR	0	M	0	0.09	29.47	29.94	5.3	35	5.4	31	360	23	10	11						
12	76s	49	M	M	50	53	M	M	-	-	RA BR	0	M	0	0.08	29.6	30.04	6.1	33	6.5	31	360	23	10	12						
13	72	45*	59*	M	47	52	6	0	-	-	BR	0	M	0	0	29.65	30.09	0.9	18	2.3	14	150	9	200	13						
14	78	49	64	M	52	57	1	0	-	-		0	M	0	0	29.71	30.15	6.1	17	6.4	23	190	18	190	14						
15	81	51	66	M	54	59	0	1	-	-		0	M	0	0	29.77	30.21	4.5	16	4.8	23	190	14	180	15						
16	82	52	67	M	58	62	0	2	-	-		0	M	0	0	29.73	30.19	5.2	16	5.5	17	160	14	170	16						
17	85	59	72	M	62	66	0	7	-	-		0	M	0	0	29.57	30.04	7.1	17	7.5	21	220	16	180	17						
18	88	64	76	M	65	69	0	11	-	-		0	M	0	0	29.44	29.9	8.1	19	8.5	21	170	16	190	18						
19	77	55	66	M	58	62	0	1	-	-	RA BR VCTS	0	M	0	0.04	29.57	29.99	7	33	9.5	28	350	20	320	19						
20	74	51	63	M	53	57	2	0	-	-	BR	0	M	0	0	29.65	30.09	2.8	36	3.8	16	70	12	30	20						
21	79	49	64	M	52	56	1	0	-	-	BR	0	M	0	0	29.64	30.09	0.8	13	1.7	11	110	8	110	21						
22	82	48	65	M	53	58	0	0	-	-	FG+ FG BR	0	M	0	0	29.7	30.15	0.1	2	1.6	11	110	9	130	22						
23	84	50	67	M	54	59	0	2	-	-	FG+ FG BR	0	M	0	0	29.7	30.15	1.3	9	2	14	110	10	60	23						
24	84	51	68	M	56	60	0	3	-	-	FG+ FG BR	0	M	0	0	29.68	30.13	2	5	2.5	16	100	12	70	24						
25	86	54	70	M	55	60	0	5	-	-	BR	0	M	0	0	29.64	30.08	4.2	2	5.1	22	60	16	60	25						
26	73	61	67	M	60	63	0	2	-	-	BR	0	M	0	0	29.64	30.08	4.2	6	4.5	14	50	10	80	26						
27	77	60	69	M	64	66	0	4	-	-	FG+ BR	0	M	0	0.02	29.57	30.03	1.4	11	2.7	11	150	9	160	27						
28	80	58	69	M	65	67	0	4	-	-	RA FG+ FG BR	0	M	0	0.03	29.52	29.98	0.6	15	1.5	11	180	8	190	28						
29	72	64	68	M	66	67	0	3	-	-	RA BR	0	M	0	0.95	29.49	29.93	5.1	36	5.8	20	40	14	20	29						
30	74	57	66	M	53	58	0	1	-	-		0	M	0	0	29.6	30.04	9	36	9.3	22	330	17	340	30						
	82.4	58.1	70.3		60.7	64.1	0.3	6	<----Monthly Averages Totals---->											M	M	1.12s	29.6	30.04	0.2	15	4.3	<Monthly Average			

* 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: 10/2015	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																											
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			

* 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: 11/2015											Station Location: SOUTHERN ILLINOIS AIRPORT (93810) CARBONDALE/MURPHYBORO, IL Lat. 37.779 Lon. -89.249 Elevation(Ground): 406 ft. above sea level																				
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								
																					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	M	M	M	M	48	M	M	M	-	-		M	M	M	M	M	30	0.7	18	M	M	M	M	M	1						
2	M	M	M	M	52	M	M	M	-	-		M	M	M	M	M	30.02	0.8	32	M	M	M	M	M	2						
3	M	M	M	M	53	M	M	M	-	-		M	M	M	M	M	30.1	0.4	5	M	M	M	M	M	3						
4	M	M	M	M	57	M	M	M	-	-		M	M	M	M	M	30.12	2	18	M	M	M	M	M	4						
5	M	M	M	M	62	M	M	M	-	-		M	M	M	M	M	30.02	5.9	17	M	M	M	M	M	5						
6	M	M	M	M	49	M	M	M	-	-		M	M	M	M	M	30.11	4.3	31	M	M	M	M	M	6						
7	M	M	M	M	38	M	M	M	-	-		M	M	M	M	M	30.34	3.9	35	M	M	M	M	M	7						
8	M	M	M	M	31	M	M	M	-	-		M	M	M	M	M	30.35	2	5	M	M	M	M	M	8						
9	M	M	M	M	31	M	M	M	-	-		M	M	M	M	M	30.2	1.3	33	M	M	M	M	M	9						
10	M	M	M	M	33	M	M	M	-	-		M	M	M	M	M	30.1	2.9	17	M	M	M	M	M	10						
11	M	M	M	M	50	M	M	M	-	-		M	M	M	M	M	29.81	10	17	M	M	M	M	M	11						
12	M	M	M	M	33	M	M	M	-	-		M	M	M	M	M	29.97	11.4	27	M	M	M	M	M	12						
13	M	M	M	M	25	M	M	M	-	-		M	M	M	M	M	30.25	4.6	29	M	M	M	M	M	13						
14	M	M	M	M	32	M	M	M	-	-		M	M	M	M	M	30.35	5.6	20	M	M	M	M	M	14						
15	M	M	M	M	34	M	M	M	-	-		M	M	M	M	M	30.31	4.8	18	M	M	M	M	M	15						
16	M	M	M	M	44	M	M	M	-	-		M	M	M	M	M	30.13	7.3	15	M	M	M	M	M	16						
17	M	M	M	M	56	M	M	M	-	-		M	M	M	M	M	29.78	13.2	15	M	M	M	M	M	17						
18	M	M	M	M	48	M	M	M	-	-		M	M	M	M	M	29.68	16.2	19	M	M	M	M	M	18						
19	M	M	M	M	33	M	M	M	-	-		M	M	M	M	M	30.13	5.7	28	M	M	M	M	M	19						
20	M	M	M	M	23	M	M	M	-	-		M	M	M	M	M	30.21	5.5	13	M	M	M	M	M	20						
21	M	M	M	M	29	M	M	M	-	-		M	M	M	M	M	30.11	7.7	31	M	M	M	M	M	21						
22	M	M	M	M	15	M	M	M	-	-		M	M	M	M	M	30.26	1.8	18	M	M	M	M	M	22						
23	M	M	M	M	26	M	M	M	-	-		M	M	M	M	M	30.2	6.5	22	M	M	M	M	M	23						
24	M	M	M	M	32	M	M	M	-	-		M	M	M	M	M	30.27	7	18	M	M	M	M	M	24						
25	M	M	M	M	35	M	M	M	-	-		M	M	M	M	M	30.28	10.7	17	M	M	M	M	M	25						
26	M	M	M	M	47	M	M	M	-	-		M	M	M	M	M	30.33	13.7	18	M	M	M	M	M	26						
27	M	M	M	M	51	M	M	M	-	-		M	M	M	M	M	30.25	6.7	19	M	M	M	M	M	27						
28	M	M	M	M	41	M	M	M	-	-		M	M	M	M	M	30.25	8.8	36	M	M	M	M	M	28						
29	M	M	M	M	40	M	M	M	-	-		M	M	M	M	M	30.19	7.1	2	M	M	M	M	M	29						
30	M	M	M	M	43	M	M	M	-	-		M	M	M	M	M	30.01	1.3	11	M	M	M	M	M	30						
	M	M	M		39.7	M	M	M	<-----Monthly Averages Totals----->											M	M	M	M	M	2.8	19	M	<Monthly Average			

* 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: 12/2015	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
	Depth	Water Equiv	Snow Fall	Water Equiv	Avg. Station	Avg. Sea Level	Resultant Speed	Res Dir	Avg. Speed	5-second		Dir	2-minute	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	M	M	M	M	35	M	M	M	-	-		M	M	M	M	M	29.95	4.8	24	M	M	M	M	M	1
2	M	M	M	M	30	M	M	M	-	-		M	M	M	M	M	29.99	7.6	27	M	M	M	M	M	2
3	M	M	M	M	28	M	M	M	-	-		M	M	M	M	M	30.38	1.4	34	M	M	M	M	M	3
4	M	M	M	M	27	M	M	M	-	-		M	M	M	M	M	30.57	2.1	9	M	M	M	M	M	4
5	M	M	M	M	31	M	M	M	-	-		M	M	M	M	M	30.56	2.5	9	M	M	M	M	M	5
6	M	M	M	M	33	M	M	M	-	-		M	M	M	M	M	30.35	3.4	21	M	M	M	M	M	6
7	M	M	M	M	36	M	M	M	-	-		M	M	M	M	M	30.24	1	29	M	M	M	M	M	7
8	M	M	M	M	40	M	M	M	-	-		M	M	M	M	M	29.97	9.9	19	M	M	M	M	M	8
9	M	M	M	M	M	M	M	M	-	-		M	M	M	M	M	M	M	M	M	M	M	M	M	9
10	M	M	M	M	45	M	M	M	-	-		M	M	M	M	M	29.79	10	20	M	M	M	M	M	10
11	M	M	M	M	56	M	M	M	-	-		M	M	M	M	M	29.81	10.2	19	M	M	M	M	M	11
12	M	M	M	M	60	M	M	M	-	-		M	M	M	M	M	29.97	12.4	19	M	M	M	M	M	12
13	M	M	M	M	57	M	M	M	-	-		M	M	M	M	M	29.71	13.2	16	M	M	M	M	M	13
14	M	M	M	M	42	M	M	M	-	-		M	M	M	M	M	29.57	15.6	22	M	M	M	M	M	14
15	M	M	M	M	41	M	M	M	-	-		M	M	M	M	M	29.86	1.9	13	M	M	M	M	M	15
16	M	M	M	M	39	M	M	M	-	-		M	M	M	M	M	29.78	6.3	21	M	M	M	M	M	16
17	M	M	M	M	24	M	M	M	-	-		M	M	M	M	M	30.01	7.1	32	M	M	M	M	M	17
18	M	M	M	M	18	M	M	M	-	-		M	M	M	M	M	30.2	8	27	M	M	M	M	M	18
19	M	M	M	M	24	M	M	M	-	-		M	M	M	M	M	30.43	3.9	20	M	M	M	M	M	19
20	M	M	M	M	27	M	M	M	-	-		M	M	M	M	M	30.22	14.1	19	M	M	M	M	M	20
21	M	M	M	M	49	M	M	M	-	-		M	M	M	M	M	29.9	11.7	19	M	M	M	M	M	21
22	M	M	M	M	44	M	M	M	-	-		M	M	M	M	M	29.84	2.6	13	M	M	M	M	M	22
23	M	M	M	M	54	M	M	M	-	-		M	M	M	M	M	29.49	11.1	19	M	M	M	M	M	23
24	M	M	M	M	40	M	M	M	-	-		M	M	M	M	M	29.95	1.1	13	M	M	M	M	M	24
25	M	M	M	M	38	M	M	M	-	-		M	M	M	M	M	30.14	6.3	2	M	M	M	M	M	25
26	M	M	M	M	55	M	M	M	-	-		M	M	M	M	M	29.99	7.2	15	M	M	M	M	M	26
27	M	M	M	M	42	M	M	M	-	-		M	M	M	M	M	30.04	9.4	2	M	M	M	M	M	27
28	M	M	M	M	43	M	M	M	-	-		M	M	M	M	M	29.63	6.7	16	M	M	M	M	M	28
29	M	M	M	M	29	M	M	M	-	-		M	M	M	M	M	30.09	5.2	28	M	M	M	M	M	29
30	M	M	M	M	28	M	M	M	-	-		M	M	M	M	M	30.25	4.3	33	M	M	M	M	M	30
31	M	M	M	M	M	M	M	M	-	-		M	M	M	M	M	M	M	M	M	M	M	M	M	31

M	M	M	M	M	38.4	M	M	M	<----Monthly Averages Totals---->				M	M	M	M	M	3.9	20	M	<Monthly Average			
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* EXTREME FOR THE MONTH - LAST OCCURRENCE IF MORE THAN ONE. **Data Version: VER2**