

QUALITY CONTROLLED LOCAL CLIMATOLOGICAL DATA

(final)

NOAA, National Climatic Data Center

Month: 09/2008

Station Location: SOUTHERN ILLINOIS AIRPORT (93810)

CARBONDALE/MURPHYBORO , IL

Lat. 37.780 Lon. -89.250

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 of Hg)		Wind: Speed=mph Dir=tens of degrees						
	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 Speed	max 2-minute Dir				
	1	2	3	4	5	6	7	8	9	10		11	13	14	15	16	17	18	19	20	21	22	23	24	25	26
	Depth	Water Equiv	Snow Fall	Water Equiv																						
01	91*	66	79	M	70	73	0	14	-	-	FG BR HZ	M	M	M	0.00	29.56	30.00	2.0	12	2.6	13	060	10	070	01	
02	88	68	78	M	71	73	0	13	-	-	BR	M	M	M	0.00	29.54	29.99	3.2	12	3.8	16	150	13	150	02	
03	86	70	78	M	70	72	0	13	-	-	RA FG BR HZ	M	M	M	0.01	29.47	29.92	1.1	06	2.9	20	050	14	050	03	
04	75	64	70	M	67	68	0	5	-	-	RA BR	M	M	M	0.62	29.28	29.72	5.1	18	11.2	29	160	22	200	04	
05	68	62	65	M	59	62	0	0	-	-		M	M	M	0.00	29.52	29.94	6.7	34	6.9	18	340	15	350	05	
06	75	59	67	M	59	62	0	2	-	-	BR	M	M	M	0.00	29.58	30.02	2.3	31	3.1	14	340	12	340	06	
07	76	60	68	M	61	64	0	3	-	-	FG+ FG BR	M	M	M	0.00	29.67	30.10	0.8	35	2.1	14	350	12	340	07	
08	83	60	72	M	65	68	0	7	-	-	FG+ FG BR	M	M	M	0.01s	29.60	30.05	0.9	22	3.1	20	330	14	330	08	
09	72	55	64	M	56	59	1	0	-	-	BR	M	M	M	T	29.68	30.12	6.4	01	6.7	23	330	16	350	09	
10	82	52	67	M	57	61	0	2	-	-	BR	M	M	M	0.00	29.65	30.11	2.5	07	3.1	13	060	10	060	10	
11	82	62	72	M	67	69	0	7	-	-	RA BR HZ	M	M	M	T	29.60	30.05	1.4	17	2.1	14	210	10	200	11	
12	89	71	80	M	71	73	0	15	-	-	BR	M	M	M	0.00	29.51	29.96	5.6	19	5.9	20	210	14	200	12	
13	88	74	81*	M	70	73	0	16	-	-		M	M	M	0.00	29.34	29.81	11.6	19	12.1	32	210	24	200	13	
14	81	57	69	M	62	65	0	4	-	-	RA BR	M	M	M	0.54	29.33	29.72	6.7	24	15.6	56s	320	40	310	14	
15	66	54	60	M	54	57	5	0	-	-		M	M	M	0.01s	29.72	30.13	4.7	31	5.1	15	310	12	310	15	
16	72	50	61	M	53	56	4	0	-	-	FG BR	M	M	M	0.00	29.78	30.23	4.3	34	4.3	15	320	12	330	16	
17	78	47	63	M	52	56	2	0	-	-	FG+ FG BR	M	M	M	0.01s	29.77	30.22	0.5	04	1.0	16	060	10	050	17	
18	83	49	66	M	55	59	0	1	-	-	FG+ FG BR	M	M	M	0.01s	29.77	30.22	1.8	07	2.1	13	050	10	050	18	
19	85	54	70	M	59	62	0	5	-	-	RA FG+ FG BR VCTS	M	M	M	0.19	29.70	30.16	0.8	24	2.1	19	230	24	230	19	
20	72	63	68	M	62	63	0	3	-	-	RA BR	M	M	M	0.23	29.73	30.18	0.3	31	1.4	22	230	17	240	20	
21	79	59	69	M	62	64	0	4	-	-	TSRA RA FG+ FG BR VCTS	M	M	M	1.30	29.78	30.23	0.9	05	2.0	15	260	10	270	21	
22	85	55	70	M	60	63	0	5	-	-	FG+ FG BR HZ	M	M	M	0.01s	29.80	30.25	0.4	02	0.7	8	340	6	040	22	
23	85	56	71	M	60	63	0	6	-	-	FG+ BR HZ	M	M	M	0.00	29.80	30.24	0.5	10	0.8	9	120	7	120	23	
24	87	57	72	M	59	63	0	7	-	-	FG+ FG BR HZ	M	M	M	0.01s	29.79	30.24	1.4	01	1.5	3s	330	3s	320	24	
25	85	51	68	M	53	59	0	3	-	-	FG+ FG BR HZ	M	M	M	0.01s	29.75	30.20	3.3	03	3.5	18	060	15	050	25	
26	82	47*	65	M	50	56	0	0	-	-	FG+ FG BR	M	M	M	0.01s	29.61	30.07	3.3	01	3.5	20	030	15	040	26	
27	81	48	65	M	53	57	0	0	-	-	FG	M	M	M	0.00	29.58	30.03	4.4	35	4.6	18	340	15	350	27	
28	85	49	67	M	55	59	0	2	-	-	FG BR	M	M	M	0.01s	29.65	30.09	1.7	35	2.0	14	360	10	340	28	
29	80	53	67	M	59	62	0	2	-	-	TS RA FG+ FG BR VCTS	M	M	M	0.43	29.57	30.04	1.5	26	3.5	22	330	16	340	29	
30	71	48	60*	M	50	54	5	0	-	-	BR	M	M	M	0.00	29.57	30.02	6.0	32	6.5	55s	010	25	050	30	

80.4	57.3	68.9		60.0	63.2	0.6	4.6	<----Monthly Averages Totals---->				M	M	3.41s	29.62	30.07	0.6	32	4.2	<Monthly Average						
M	M	M	<-----Departure From Normal----->								M															

Degree Days	Monthly	Season to Date	Greatest 24-hr Precipitation: 1.41s Date: 20-21		Sea Level Pressure Date Time (LST)	
	Total Departure	Total Departure	Greatest 24-hr Snowfall: M Date: M		Maximum 30.31 23 0918	
Heating:	17	M	M	M	Minimum 29.19 14 0732	
Cooling:	139	M	Number of Days with ----->		Precipitation >=.01 inch: 16	
			Max Temp >=90: 1		Min Temp <=32: 0	
			Max Temp <=32: 0		Min Temp <=0 : 0	
			Thunderstorms : 2		Heavy Fog : 12	
					Snowfall >=1.0 inch : M	

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

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CARBONDALE/MURPHYBORO , IL

Lat. 37.780 Lon. -89.250

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 of Hg)		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 Speed	max 2-minute Dir	max 2-minute Speed		max 2-minute Dir		
	1	2	3	4	5	6	7	8	9	10		11	13	14	15	16	17	18	19	20	21	22	23		24	25	26
	1	2	3	4	5	6	7	8	9	10		11	13	14	15	16	17	18	19	20	21	22	23		24	25	26
01	70	45	58	M	45	50	7	0	-	-		M	M	M	0.00	29.54	29.98	3.7	34	4.3	18	340	15	340	01		
02	66	40	53	M	42	47	12	0	-	-	BR	M	M	M	0.00	29.57	30.02	1.8	33	3.0	13	320	9	300	02		
03	72	40	56	M	46	50	9	0	-	-	FG+ FG BR	M	M	M	0.00	29.60	30.05	1.4	22	1.4	13	240	9	210	03		
04	77	43	60	M	48	53	5	0	-	-	FG+ FG BR	M	M	M	0.01s	29.70	30.15	0.3	10	0.4	8	310	7	310	04		
05	81	43	62	M	49	54	3	0	-	-	FG+ FG BR	M	M	M	0.00	29.70	30.15	1.6	16	1.8	14	130	10	210	05		
06	82	51	67	M	54	59	0	2	-	-	BR	M	M	M	0.00	29.67	30.13	3.1	14	3.4	18	150	15	180	06		
07	73	60	67	M	62	64	0	2	-	-	RA BR	M	M	M	0.97	29.49	29.96	4.4	15	5.7	18	160	15	170	07		
08	71	47	59	M	51	55	6	0	-	-	BR	M	M	M	0.00	29.52	29.96	5.2	32	5.9	22	350	16	350	08		
09	77	41	59	M	47	52	6	0	-	-	FG+ FG BR	M	M	M	0.00	29.62	30.06	0.5	03	0.9	13	050	10	050	09		
10	81	45	63	M	52	56	2	0	-	-	FG+ FG BR	M	M	M	0.01s	29.65	30.10	1.4	11	1.8	16	140	10	150	10		
11	84	53	69	M	59	62	0	4	-	-	FG+ FG BR	M	M	M	0.00	29.75	30.19	1.4	15	1.8	23	110	12	120	11		
12	86*	54	70	M	59	63	0	5	-	-	FG+ BR	M	M	M	0.01s	29.80	30.23	3.0	14	3.6	21	130	15	140	12		
13	82	65	74*	M	62	66	0	9	-	-		M	M	M	0.00	29.80	30.25	4.8	17	5.4	22	170	16	170	13		
14	75	61	68	M	64	66	0	3	-	-	RA FG+ BR HZ	M	M	M	0.07	29.75	30.21	1.7	17	2.1	10	200	9	200	14		
15	83	55	69	M	62	65	0	4	-	-	RA FG+ FG BR	M	M	M	0.59	29.66	30.10	5.3	23	9.5	28	320	22	210	15		
16	64	42	53	M	44	49	12	0	-	-		M	M	M	T	29.78	30.23	7.8	35	7.9	22	340	18	340	16		
17	65	39	52	M	42	47	13	0	-	-		M	M	M	T	29.77	30.22	1.7	36	2.6	13	320	9	320	17		
18	64	39	52	M	42	47	13	0	-	-	FG+ BR	M	M	M	0.00	29.84	30.29	3.4	01	3.8	16	020	13	030	18		
19	66	34	50	M	38	44	15	0	-	-	FG+ FG BR	M	M	M	0.00	29.83	30.29	2.0	16	2.6	16	150	13	160	19		
20	71	36	54	M	45	50	11	0	-	-		M	M	M	0.00	29.77	30.23	3.0	23	4.1	23	220	17	230	20		
21	66	49	58	M	39	48	7	0	-	-		M	M	M	0.00	29.83	30.28	6.7	06	7.4	20	060	15	060	21		
22	67	47	57	M	30	44	8	0	-	-		M	M	M	0.00	29.75	30.21	9.3	10	9.4	26	120	17	090	22		
23	60	48	54	M	44	49	11	0	-	-	RA BR	M	M	M	1.02	29.68	30.14	6.1	14	7.5	22	180	16	170	23		
24	60	39	50	M	42	47	15	0	-	-		M	M	M	0.00	29.55	30.01	6.4	21	7.5	24	170	18	210	24		
25	60	35	48	M	38	44	17	0	-	-		M	M	M	0.00	29.53	30.00	5.7	22	6.6	21	230	16	250	25		
26	69	43	56	M	34	45	9	0	-	-		M	M	M	0.00	29.63	30.04	7.1	28	10.4	29	330	21	310	26		
27	48	35	42	M	24	36	23	0	-	-		M	M	M	0.00	29.93	30.37	9.7	31	10.3	26	340	20	350	27		
28	50	29	40*	M	24	33	25	0	-	-		M	M	M	0.00	29.96	30.44	4.9	31	5.2	21	280	15	300	28		
29	65	28*	47	M	29	38	18	0	-	-		M	M	M	0.00	29.82	30.29	2.8	25	3.3	16	240	13	240	29		
30	70	32	51	M	36	44	14	0	-	-		M	M	M	0.00	29.93	30.38	4.6	18	5.2	22	210	18	210	30		
31	73	45	59	M	41	50	6	0	-	-		M	M	M	0.00	29.93	30.39	8.1	19	8.3	26	210	20	200	31		

70.3 44.0 57.2 45.0 50.9 8.6 0.9 <----Monthly Averages | Totals----> M M 2.68s 29.72 30.17 0.8 21 4.9 <Monthly Average

M M M <-----Departure From Normal-----> M

Degree Days Monthly Season to Date Total Departure Total Departure Heating: 267 M M M Cooling: 29 M	Greatest 24-hr Precipitation: 1.02 Date: 23 Greatest 24-hr Snowfall: M Date: M Greatest Snow Depth: M Date: M	Sea Level Pressure Date Time (LST) Maximum 30.55 28 0844 Minimum 29.84 08 0228
	Number of Days with -----> Max Temp >=90: 0 Max Temp <=32: 0 Thunderstorms : 0	Min Temp <=32: 3 Min Temp <=0 : 0 Heavy Fog : 11

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Date	Temperature (Fahrenheit)						Degree Days Base 65 Degrees		Sun		Significant Weather	Snow/Ice on Ground(In)				Precipitation (In)		Pressure(inches of Hg)		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							
	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		
	Depth	Water Equiv	Snow Fall	Water Equiv																										
01	36	29	33	M	26	30	32	0	-	-	SN UP HZ	M	M	M	0.01	29.44	29.85	8.3	29	8.3	28	290	17	290	01					
02	45	20	33	M	25	31	32	0	-	-		M	M	M	0.00	29.65	30.09	9.3	20	9.6	32	200	24	200	02					
03	53	30	42	M	34	39	23	0	-	-	RA BR	M	M	M	0.10	29.57	30.00	8.8	22	16.8	39	210	31	210	03					
04	35	20	28	M	17	24	37	0	-	-		M	M	M	0.00	30.01	30.44	9.0	34	9.3	28	330	22	330	04					
05	31	15	23	M	14	21	42	0	-	-		M	M	M	0.00	29.91	30.41	2.8	23	5.2	21	220	15	210	05					
06	46	23	35	M	22	29	30	0	-	-	SN BR	M	M	M	T	29.61	30.07	5.8	27	12.1	26	310	20	340	06					
07	33	14	24	M	13	21	41	0	-	-		M	M	M	0.00	29.81	30.28	1.7	17	6.9	21	360	17	350	07					
08	54	29	42	M	24	36	23	0	-	-		M	M	M	0.00	29.49	29.98	14.8	18	15.1	39	200	30	210	08					
09	54	35	45	M	43	45	20	0	-	-	TSRA RA BR	M	M	M	0.71	29.38	29.82	4.6	20	12.9	29s	320	21	340	09					
10	35	29	32	M	29	32	33	0	-	-	RA UP	M	M	M	0.07	29.68	30.13	12.4	35	12.4	28	340	21	350	10					
11	40	27	34	M	26	30	31	0	-	-		M	M	M	0.00	29.57	30.03	8.9	35	9.2	23	340	18	350	11					
12	44	23	34	M	24	30	31	0	-	-		M	M	M	0.00	29.78	30.24	3.2	31	5.1	22	310	16	310	12					
13	48	28	38	M	28	35	27	0	-	-		M	M	M	0.00	29.59	30.09	15.4	17	15.5	33	180	26	160	13					
14	61	45	53	M	41	46	12	0	-	-	RA	M	M	M	T	29.44	29.91	22.1	18	22.4	48	190	36	190	14					
15	61s	18	M	M	16	21	M	M	-	-	RA FZRA SN BR UP	M	M	M	0.41	30.06	30.46	13.1	34	13.4	40	220	30	210	15					
16	26	19	23	M	19	22	42	0	-	-	FZRA FZDZ BR UP	M	M	M	0.01	29.81	30.30	4.9	04	6.4	18	060	14	050	16					
17	28	25	27	M	22	25	38	0	-	-		M	M	M	0.00	29.85	30.31	2.4	33	3.5	12	310	9	310	17					
18	36	27	32	M	29	31	33	0	-	-	FG+ FG BR	M	M	M	T	29.75	30.24	2.1	11	3.3	15	120	12	110	18					
19	61	29	45	M	39	43	20	0	-	-	RA BR	M	M	M	0.27	29.52	29.96	7.6	26	13.2	44	240	33	230	19					
20	38	28	33	M	28	31	32	0	-	-		M	M	M	0.00	29.49	29.95	2.9	33	7.4	35	320	25	320	20					
21	28	9	19	M	1	13	46	0	-	-		M	M	M	0.00	29.91	30.35	13.7	31	14.0	32	290	23	320	21					
22	24	6*	15*	M	4	13	50	0	-	-		M	M	M	0.00	30.06	30.55	1.0	22	5.8	18	310	13	300	22					
23	44	24	34	M	26	30	31	0	-	-	RA BR UP	M	M	M	0.27	29.62	30.15	12.3	17	12.7	30	160	22	170	23					
24	52	27	40	M	36	40	25	0	-	-	RA BR	M	M	M	0.19	29.63	30.05	6.5	25	9.5	33	300	23	310	24					
25	38	20	29	M	22	27	36	0	-	-		M	M	M	0.00	29.88	30.35	4.7	10	5.9	14	110	12	120	25					
26	66	29	48	M	50	52	17	0	-	-	FG BR	M	M	M	0.01	29.55	30.03	11.6	18	11.9	40	190	31	190	26					
27	72*	42	57*	M	56	59	8	0	-	-	RA BR	M	M	M	0.40	29.39	29.82	19.6	19	21.6	55	200	39	220	27					
28	48	32	40	M	28	35	25	0	-	-		M	M	M	0.00	29.78	30.21	7.1	23	8.3	32	250	23	270	28					
29	58	29	44	M	29	36	21	0	-	-		M	M	M	0.00	29.75	30.21	6.3	22	6.6	22	230	16	210	29					
30	59	25	42	M	31	38	23	0	-	-		M	M	M	0.00	29.52	29.99	5.3	23	9.7	38	300	28	320	30					
31	41	19	30	M	17	24	35	0	-	-		M	M	M	0.00	29.95	30.40	9.8	35	10.7	36	330	28	340	31					
	45.0	25.0	35.0		26.4	31.9	29.9	0.0	<-----Monthly Averages Totals----->						M	M	2.45s	29.69	30.15	3.1	23	10.5	<Monthly Average							
	M	M	M		<-----Departure From Normal----->											M														

Degree Days Monthly Season to Date Total Departure Total Departure Heating: 896 M M M Cooling: 0 M	Greatest 24-hr Precipitation: 0.72s Date: 09-10 Greatest 24-hr Snowfall: M Date: M Greatest Snow Depth: M Date: M		Sea Level Pressure Date Time (LST) Maximum 30.66 22 0917 Minimum 29.48 01 0026	
	Number of Days with ----->		Max Temp >=90: 0 Max Temp <=32: 5 Thunderstorms : 1	Min Temp <=32: 28 Min Temp <=0 : 0 Heavy Fog : 1

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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 of Hg)		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							
	1	2	3	4	5	6	7	8	9	10		11	13	14	15	16	17	18	19	20	21	22	23	24	25		26			
	Depth	Water Equiv	Snow Fall	Water Equiv																		Speed	Dir	Speed	Dir		Speed	Dir		
01	42	19	31	M	20	28	34	0	-	-		M	M	M	0.00	29.59	30.09	8.6	19	9.6	25	210	22	190	01					
02	51	29	40	M	27	34	25	0	-	-		M	M	M	0.00	29.50	29.97	1.6	16	3.2	13	240	10	220	02					
03	65*	43	54*	M	50	52	11	0	-	-	BR	M	M	M	T	29.36	29.81	6.2	15	7.5	25	200	20	200	03					
04	63	25	44	M	33	38	21	0	-	-	BR	M	M	M	0.00	29.64	30.13	8.6	32	13.8	26	330	21	330	04					
05	30	23	27	M	17	25	38	0	-	-	UP	M	M	M	Ts	29.70	30.15	4.9	03	6.3	16	340	13	350	05					
06	34	28	31	M	30	31	34	0	-	-	FZRA BR UP	M	M	M	0.02	29.23	29.68	1.6	24	2.8	14	250	10	250	06					
07	43	32	38	M	25	32	27	0	-	-	BR	M	M	M	T	29.11	29.58	7.0	26	8.1	30	300	22	290	07					
08	37	21	29	M	19	26	36	0	-	-		M	M	M	0.00	29.51	29.96	5.1	31	6.4	21	340	17	320	08					
09	55	23	39	M	27	36	26	0	-	-		M	M	M	T	29.52	29.97	11.2	19	11.5	32	200	24	200	09					
10	56	30	43	M	32	35	22	0	-	-	RA SN BR HZ	M	M	M	0.14	29.56	30.05	9.4	31	11.5	30	300	21	310	10					
11	41	20	31	M	23	28	34	0	-	-		M	M	M	0.00	29.75	30.19	4.2	23	5.5	20	230	16	220	11					
12	47	22	35	M	28	33	30	0	-	-	BR	M	M	M	0.00	29.66	30.12	6.0	18	8.1	31	210	24	200	12					
13	43	14	29	M	13	21	36	0	-	-	SN	M	M	M	T	29.76	30.23	8.7	32	10.3	32	330	24	330	13					
14	47	13	30	M	13	24	35	0	-	-		M	M	M	0.00	29.75	30.19	7.4	28	16.8	39	340	31	340	14					
15	16	4	10	M	-4	7	55	0	-	-		M	M	M	0.00	30.27	30.73	10.3	34	10.4	24	340	18	340	15					
16	18	-1*	9*	M	-2	8	56	0	-	-		M	M	M	0.00	30.25	30.72	4.7	17	5.3	17	180	15	170	16					
17	46	18	32	M	16	27	33	0	-	-		M	M	M	0.00	29.64	30.12	12.0	21	12.8	35	240	28	210	17					
18	41	28	35	M	27	31	30	0	-	-		M	M	M	T	29.44	29.91	4.5	28	5.7	21	320	16	310	18					
19	35	19	27	M	16	24	38	0	-	-	SN	M	M	M	T	29.45	29.93	11.5	34	11.8	28	360	22	350	19					
20	30	12	21	M	14	20	44	0	-	-	SN BR	M	M	M	T	29.67	30.15	6.4	33	7.2	21	340	17	340	20					
21	42	12	27	M	18	25	38	0	-	-		M	M	M	0.00	29.64	30.11	10.4	20	10.5	26	200	22	200	21					
22	56	25	41	M	27	34	24	0	-	-		M	M	M	0.00	29.51	29.99	8.3	20	8.5	22	210	18	200	22					
23	56	31	44	M	30	37	21	0	-	-		M	M	M	0.00	29.65	30.05	6.6	32	12.1	26	350	21	350	23					
24	31	15	23	M	9	19	42	0	-	-		M	M	M	0.00	30.01	30.45	10.2	36	10.5	28	340	23	340	24					
25	22	13	18	M	6	16	47	0	-	-		M	M	M	T	29.93	30.41	6.0	03	6.4	16	030	13	030	25					
26	27	19	23	M	14	20	42	0	-	-	FZRA BR UP	M	M	M	0.02	29.95	30.43	6.8	03	7.0	17	010	13	010	26					
27	28	21	25	M	21	23	40	0	-	-	FZRA SN BR UP	M	M	M	0.53	29.70	30.22	7.8	01	8.1	51	140	17	350	27					
28	27	17	22	M	16	20	43	0	-	-	SN FZFG BR UP	M	M	M	1.02	29.63	30.10	4.6	26	8.6	23	200	17	210	28					
29	30	16	23	M	22	24	42	0	-	-	FG+ FZFG BR	M	M	M	0.30s	29.67	30.13	7.3	20	7.7	16	190	14	170	29					
30	40	14	27	M	20	25	38	0	-	-	BR	M	M	M	0.01s	29.73	30.20	0.9	26	3.6	14	260	12	250	30					
31	44	17	31	M	28	31	34	0	-	-	FG+ FZFG BR	M	M	M	0.00	29.60	30.10	11.1	20	11.2	30	190	23	200	31					
	40.1	20.1	30.1		20.5	26.9	34.7	0.0	<-----Monthly Averages Totals----->				M	M	2.04s	29.66	30.12	2.4	27	8.7	<Monthly Average									
	M	M	M		<-----Departure From Normal----->											M														

Degree Days	Monthly	Season to Date	Greatest 24-hr Precipitation: 1.04s Date: 28-29		Sea Level Pressure Date Time (LST)		
	Total Departure	Total Departure	Greatest 24-hr Snowfall: M Date: M		Maximum 30.86 16 0735		
Heating: 1076	M	M	M	Greatest Snow Depth: M Date: M		Minimum 29.47 07 0450	
Cooling: 0	M	Number of Days with ----->			Max Temp >=90: 0	Min Temp <=32: 30	Precipitation >=.01 inch: 6s
				Max Temp <=32: 10	Min Temp <=0 : 1	Precipitation >=.10 inch: : M	
				Thunderstorms : 0	Heavy Fog : 2	Snowfall >=1.0 inch : 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: 02/2009

Station Location: SOUTHERN ILLINOIS AIRPORT (93810)

CARBONDALE/MURPHYBORO , IL

Lat. 37.780 Lon. -89.250

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 of Hg)		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			
	1	2	3	4	5	6	7	8	9	10		11	13	14	15	16	17	18	19	20	21	22	23		24	25
01	51	35	43	M	29	37	22	0	-	-		M	M	M	0.00	29.56	30.00	5.1	26	10.4	28	210	21	220	01	
02	40	22	31	M	19	28	34	0	-	-		M	M	M	0.00	29.70	30.16	4.1	31	5.6	24	320	17	320	02	
03	37	12	25	M	10	19	40	0	-	-		M	M	M	0.00	29.83	30.25	12.1	32	13.5	39	340	30	330	03	
04	22	11*	17*	M	6	14	48	0	-	-		M	M	M	0.00	30.13	30.57	6.4	34	6.9	20	350	15	330	04	
05	39	12	26	M	15	23	39	0	-	-		M	M	M	0.00	29.92	30.42	11.7	19	12.2	35	210	26	200	05	
06	56	33	45	M	36	41	20	0	-	-		M	M	M	0.00	29.69	30.19	14.5	20	14.6	38	210	30	210	06	
07	61	51	56	M	48	52	9	0	-	-		M	M	M	0.00	29.71	30.15	18.7	21	18.9	41	220	32	210	07	
08	59	43	51	M	41	46	14	0	-	-		M	M	M	0.00	29.85	30.29	2.2	01	4.6	15	240	12	240	08	
09	68	40	54	M	46	51	11	0	-	-	RA BR	M	M	M	0.01	29.56	30.04	11.7	18	12.6	46	170	38	160	09	
10	63	56	60*	M	55	57	5	0	-	-	RA	M	M	M	0.04	29.39	29.88	12.3	18	12.8	30	160	24	170	10	
11	64	44	54	M			11	0	-	-	RA	M	M	M	0.04	29.26	M	14.8	23	20.3	48	250	37	250	11	
12	56	32	44	M	34	40	21	0	-	-		M	M	M	0.03s	29.72	30.15	4.6	23	6.3	18	220	15	220	12	
13	48	33	41	M	29	37	24	0	-	-		M	M	M	0.02s	29.60	30.09	5.4	08	6.2	18	330	15	330	13	
14	40	32	36	M	28	33	29	0	-	-	HZ	M	M	M	0.01s	29.72	30.15	10.2	35	10.9	29	330	23	350	14	
15	42	27	35	M	23	30	30	0	-	-		M	M	M	0.01s	29.87	30.30	7.2	36	7.6	20	050	15	340	15	
16	41	22	32	M	20	27	33	0	-	-		M	M	M	0.01s	29.93	30.40	1.5	35	3.4	13	060	9	060	16	
17	46	24	35	M	30	34	30	0	-	-	RA BR	M	M	M	0.01	29.44	29.99	11.5	18	12.7	36	210	28	200	17	
18	60	33	47	M	38	43	18	0	-	-	RA BR	M	M	M	0.01	29.24	29.67	11.5	27	17.5	51	180	39	180	18	
19	33	18	26	M	13	24	39	0	-	-	SN	M	M	M	0.07	29.73	30.15	9.6	32	9.7	29	310	22	320	19	
20	46	16	31	M	18	28	34	0	-	-		M	M	M	0.04s	29.67	30.15	7.1	18	7.5	23	190	18	200	20	
21	45	27	36	M	22	31	29	0	-	-	RA SN BR	M	M	M	0.01	29.67	30.10	7.9	26	13.0	35	200	28	200	21	
22	38	22	30	M	14	24	35	0	-	-		M	M	M	M	30.02	30.44	5.5	31	6.0	20	320	15	330	22	
23	39	17	28	M	15	24	37	0	-	-		M	M	M	0.00	30.08	30.55	1.5	04	3.2	12	120	8	010	23	
24	45	26	36	M	21	31	29	0	-	-		M	M	M	T	29.81	30.30	6.8	15	7.3	18	170	16	170	24	
25	57	41	49	M	38	44	16	0	-	-	BR	M	M	M	T	29.65	30.13	9.2	18	9.6	28	200	21	200	25	
26	69*	48	59	M	50	54	6	0	-	-	TSRA RA BR VCTS	M	M	M	0.87	29.38	29.88	13.4	18	14.3	40	180	31	180	26	
27	61	35	48	M	34	38	17	0	-	-	BR	M	M	M	0.02	29.64	30.05	10.1	36	12.8	30	320	24	330	27	
28	35	30	33	M	26	31	32	0	-	-	UP	M	M	M	Ts	29.74	30.17	14.2	01	14.7	35	350	26	360	28	
	48.6	30.1	39.4		M	M	25.4	0.0	<----Monthly Averages Totals---->						M	M	1.20s	29.70	30.15	3.1	23	10.5	<Monthly Average			
	M	M	M		<-----Departure From Normal----->						M															

Degree Days Monthly Season to Date Total Departure Total Departure Heating: 712 M M M Cooling: 0 M	Greatest 24-hr Precipitation: 0.89 Date: 26-27 Greatest 24-hr Snowfall: M Date: M Greatest Snow Depth: M Date: M				Sea Level Pressure Date Time (LST) Maximum 30.66 23 0949 Minimum 29.38 11 1307				
	Number of Days with ----->				Max Temp >=90: 0 Max Temp <=32: 1 Thunderstorms : 1		Min Temp <=32: 16 Min Temp <=0 : 0 Heavy Fog : 0		Precipitation >=.01 inch: 12 Precipitation >=.10 inch: M Snowfall >=1.0 inch : 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: 03/2009

Station Location: SOUTHERN ILLINOIS AIRPORT (93810)

CARBONDALE/MURPHYBORO , IL

Lat. 37.780 Lon. -89.250

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 of Hg)		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				
	1	2	3	4	5	6	7	8	9	10		11	13	14	15	16	17	18	19	20	21	22	23	24	25		26
	Depth	Water Equiv	Snow Fall	Water Equiv																		Speed	Dir	Speed	Dir		Speed
01	37	24	31	M	17	25	34	0	-	-		M	M	M	0.00	29.93	30.39	17.1	36	16.7	33	350	25	350	01		
02	35	20	28	M	12	22	37	0	-	-		M	M	M	0.00	30.01	30.46	7.9	02	8.4	21	030	15	010	02		
03	36	16*	26*	M	11	23	39	0	-	-		M	M	M	0.00	29.98	30.46	4.7	12	5.4	16	120	13	090	03		
04	58	23	41	M	22	35	24	0	-	-		M	M	M	0.00	29.76	30.25	9.8	18	10.4	28	210	23	210	04		
05	65	52	59	M	45	52	6	0	-	-		M	M	M	0.00	29.52	29.99	23.8	20	24.2	51	190	39	210	05		
06	77	59	68*	M	55	59	0	3	-	-		M	M	M	0.00	29.52	29.98	19.0	20	19.2	41	210	31	200	06		
07	73	58	66	M	56	60	0	1	-	-		M	M	M	0.00	29.49	29.94	18.4	20	18.5	41	200	32	190	07		
08	78*	46	62	M	47	56	3	0	-	-		M	M	M	T	29.41	29.84	12.4	23	17.6	43	260	33	200	08		
09	67	32	50	M	40	46	15	0	-	-	BR	M	M	M	0.00	29.63	30.09	3.9	12	4.8	16	130	13	350	09		
10	76	46	61	M	55	60	4	0	-	-	RA BR VCTS	M	M	M	0.50	29.47	29.88	14.7	21	17.5	43	200	35	190	10		
11	46	30	38	M	24	32	27	0	-	-		M	M	M	0.00	30.06	30.46	9.7	35	10.2	28	330	21	330	11		
12	35	29	32	M	20	29	33	0	-	-		M	M	M	0.00	30.06	30.53	9.6	03	9.9	21	040	15	050	12		
13	49	27	38	M	24	33	27	0	-	-		M	M	M	0.00	29.83	30.33	6.6	03	6.7	18	050	14	040	13		
14	57	39	48	M	32	40	17	0	-	-		M	M	M	0.00	29.62	30.10	5.9	05	6.3	17	040	14	070	14		
15	59	37	48	M	42	45	17	0	-	-	BR	M	M	M	0.00	29.63	30.08	1.6	14	2.6	17	180	14	180	15		
16	69	41	55	M	44	50	10	0	-	-	BR	M	M	M	0.00	29.73	30.17	1.9	25	3.3	14	280	9	010	16		
17	72	39	56	M	44	50	9	0	-	-	FG BR	M	M	M	0.00	29.72	30.18	7.7	19	8.0	24	180	20	180	17		
18	76	46	61	M	48	53	4	0	-	-	RA BR	M	M	M	0.25	29.67	30.11	3.8	22	9.4	30	340	23	350	18		
19	60	36	48	M	33	43	17	0	-	-	RA	M	M	M	0.17	29.88	30.32	7.5	36	8.0	23	340	21	350	19		
20	57	28	43	M	28	38	22	0	-	-		M	M	M	0.00	29.92	30.37	3.4	09	4.0	22	080	12	080	20		
21	56	36	46	M	32	41	19	0	-	-	RA	M	M	M	T	29.91	30.37	2.4	16	3.4	14	200	9	200	21		
22	71	49	60	M	40	49	5	0	-	-		M	M	M	0.00	29.78	30.26	4.2	14	4.9	16	150	12	140	22		
23	74	51	63	M	42	52	2	0	-	-		M	M	M	0.00	29.60	30.08	12.1	17	13.0	35	160	25	170	23		
24	74	58	66	M	50	56	0	1	-	-	RA BR	M	M	M	0.81	29.42	29.88	15.1	17	15.8	46	260	35	260	24		
25	62	46	54	M	41	48	11	0	-	-	FG+ FG BR	M	M	M	0.01s	29.42	29.88	3.3	25	5.2	17	250	14	250	25		
26	66	47	57	M	42	49	8	0	-	-		M	M	M	0.00	29.43	29.87	4.3	04	5.5	18	040	13	080	26		
27	64	51	58	M	43	49	7	0	-	-		M	M	M	0.00	29.34	29.81	7.7	04	8.2	22	040	18	040	27		
28	62	40	51	M	43	47	14	0	-	-	RA BR	M	M	M	0.53	29.00	29.48	6.1	16	13.8	40	220	30	220	28		
29	51	33	42	M	32	37	23	0	-	-	RA SN	M	M	M	0.07	29.36	29.77	9.4	28	10.1	32	300	23	240	29		
30	65	30	48	M	35	43	17	0	-	-		M	M	M	0.00	29.47	29.92	7.3	14	7.6	24	140	18	130	30		
31	66	41	54	M	40	47	11	0	-	-	RA BR	M	M	M	0.30	29.27	29.72	9.6	19	12.6	33	230	25	220	31		
	61.1	39.0	50.1		36.7	44.2	14.9	0.2	<----Monthly Averages Totals---->			M	M	1.72s	29.64	30.10	2.9	19	10.0	<Monthly Average							
	M	M	M		<-----Departure From Normal----->							M															

Degree Days Monthly Season to Date Total Departure Total Departure Heating: 462 M M M Cooling: 5 M	Greatest 24-hr Precipitation: 0.82 Date: 24-25 Greatest 24-hr Snowfall: M Date: M Greatest Snow Depth: M Date: M	Sea Level Pressure Date Time (LST) Maximum 30.63 12 0807 Minimum 29.30 28 1434	
	Number of Days with ----->	Max Temp >=90: 0 Max Temp <=32: 0 Thunderstorms : 0	Min Temp <=32: 10 Min Temp <=0 : 0 Heavy Fog : 1

* 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: 04/2009

Station Location: SOUTHERN ILLINOIS AIRPORT (93810)

CARBONDALE/MURPHYBORO , IL

Lat. 37.780 Lon. -89.250

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 of Hg)		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				
	1	2	3	4	5	6	7	8	9	10		11	13	14	15	16	17	18	19	20	21	22	23	24	25		26
	Depth	Water Equiv	Snow Fall	Water Equiv																		Speed	Dir	Speed	Speed		Dir
01	65	35	50	M	32	43	15	0	-	-		M	M	M	0.00	29.38	29.84	5.3	18	7.7	21	170	16	180	01		
02	68	46	57	M	44	50	8	0	-	-	TSRA RA BR VCTS	M	M	M	0.63	29.05	29.51	2.7	34	8.6	36	340	24	330	02		
03	59	39	49	M	36	43	16	0	-	-		M	M	M	0.01	29.38	29.79	9.1	32	9.5	31	320	22	310	03		
04	67	34	51	M	35	44	14	0	-	-		M	M	M	0.00	29.46	29.91	6.4	13	6.8	24	140	18	130	04		
05	70	41	56	M	45	50	9	0	-	-	RA BR VCTS	M	M	M	0.49	29.23	29.67	7.5	25	12.5	38	300	26	290	05		
06	41	36	39*	M	31	36	26	0	-	-	RA BR UP	M	M	M	0.06	29.52	29.95	14.0	31	14.0	35	320	24	330	06		
07	53	32	43	M	26	36	22	0	-	-		M	M	M	0.00	29.51	29.97	8.3	30	8.8	32	330	22	320	07		
08	65	30*	48	M	30	40	17	0	-	-		M	M	M	0.00	29.36	29.82	4.8	30	6.6	35	310	26	310	08		
09	62	32	47	M	39	44	18	0	-	-	RA BR VCTS	M	M	M	0.51	29.32	29.81	5.2	10	6.4	43s	220	36s	220	09		
10	60	44	52	M	46	48	13	0	-	-	RA BR	M	M	M	0.86	29.35	29.77	5.2	34	8.9	30s	320	23	320	10		
11	60	37	49	M	36	43	16	0	-	-		M	M	M	0.00	29.77	30.19	6.3	02	7.6	22	040	15	050	11		
12	57	39	48	M	36	43	17	0	-	-	RA	M	M	M	0.20	29.58	30.08	10.2	09	10.5	29	110	21	100	12		
13	61	48	55	M	48	50	10	0	-	-	RA BR	M	M	M	0.42	29.26	29.72	4.8	22	8.2	25	210	20	210	13		
14	49	43	46	M	40	43	19	0	-	-		M	M	M	0.00	29.51	29.93	8.2	31	8.5	22	310	17	330	14		
15	61	40	51	M	40	46	14	0	-	-	BR	M	M	M	0.00	29.73	30.15	6.9	36	7.8	24	350	18	350	15		
16	61	41	51	M	44	48	14	0	-	-	BR	M	M	M	0.00	29.85	30.29	5.9	06	6.3	18	060	14	060	16		
17	76	40	58	M	47	53	7	0	-	-	FG+ BR	M	M	M	0.00	29.78	30.25	1.3	15	3.2	16	180	13	180	17		
18	71	50	61	M	53	56	4	0	-	-	RA BR	M	M	M	0.38	29.59	30.08	5.6	19	6.1	24	210	21	210	18		
19	69	55	62	M	56	57	3	0	-	-	RA BR	M	M	M	1.34	29.28	29.75	4.5	27	9.7	35	320	24	310	19		
20	66	48	57	M	40	48	8	0	-	-		M	M	M	T	29.39	29.83	10.4	31	10.8	37	310	25	320	20		
21	61	40	51	M	32	42	14	0	-	-		M	M	M	0.00	29.42	29.85	9.4	29	10.2	33	290	23	310	21		
22	73	42	58	M	39	49	7	0	-	-		M	M	M	0.00	29.52	29.95	4.7	24	5.2	21	220	15	250	22		
23	79	44	62	M	50	57	3	0	-	-		M	M	M	0.00	29.47	29.93	10.9	18	12.6	38	200	28	190	23		
24	81	67	74*	M	55	62	0	9	-	-		M	M	M	0.00	29.56	30.00	18.8	20	18.9	40	180	31	200	24		
25	83	63	73	M	58	64	0	8	-	-		M	M	M	0.00	29.66	30.09	16.0	20	16.3	38	220	30	190	25		
26	83*	62	73	M	56	63	0	8	-	-		M	M	M	0.00	29.65	30.09	14.4	18	14.7	39	190	31	190	26		
27	78	64	71	M	60	64	0	6	-	-	TSRA RA BR	M	M	M	0.12	29.67	30.12	11.4	19	12.7	38	210	29	200	27		
28	71	62	67	M	62	63	0	2	-	-	RA BR	M	M	M	1.66	29.80	30.24	2.5	32	5.2	29	250	18	270	28		
29	80	60	70	M	63	65	0	5	-	-	RA FG+ BR	M	M	M	0.02	29.67	30.15	2.8	11	3.7	14	100	12	050	29		
30	76	62	69	M	63	64	0	4	-	-	RA BR	M	M	M	1.08	29.52	29.97	7.6	21	8.7	31	180	23	210	30		

66.9 45.9 56.4 44.7 50.5 9.8 1.4 <-----Monthly Averages | Totals-----> M M 7.79s 29.51 29.95 2.4 24 9.2 <Monthly Average

M M M <-----Departure From Normal-----> M

Degree Days Monthly Season to Date Total Departure Total Departure Heating: 294 M M M Cooling: 42 M	Greatest 24-hr Precipitation: 1.78s Date: 27-28 Greatest 24-hr Snowfall: M Date: M Greatest Snow Depth: M Date: M		Sea Level Pressure Date Time (LST) Maximum 30.36 16 1103 Minimum 29.28 02 1555	
	Number of Days with ----->		Max Temp >=90: 0 Max Temp <=32: 3 Thunderstorms : 2	Min Temp <=32: 3 Min Temp <=0 : 0 Heavy Fog : 2

* 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: 05/2009

Station Location: SOUTHERN ILLINOIS AIRPORT (93810)

CARBONDALE/MURPHYBORO , IL

Lat. 37.780 Lon. -89.250

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 of Hg)		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						
	1	2	3	4	5	6	7	8	9	10		11	13	14	15	16	17	18	19	20	21	22	23	24	25		26		
	Depth	Water Equiv	Snow Fall	Water Equiv																									
01	73	53	63	M	56	58	2	0	-	-	FG	M	M	M	0.04	29.57	30.02	2.9	33	6.3	32	340	23	330	01				
02	62	52	57*	M	51	54	8	0	-	-	RA BR	M	M	M	0.33	29.54	30.00	2.8	06	3.5	15	010	12	070	02				
03	64	55	60	M	52	55	5	0	-	-	RA BR	M	M	M	0.29	29.47	29.92	4.4	04	5.4	15	040	12	050	03				
04	70	53	62	M	53	56	3	0	-	-	RA BR	M	M	M	0.01	29.55	29.99	0.9	06	3.8	16	110	13	110	04				
05	74	51	63	M	55	59	2	0	-	-	RA BR	M	M	M	0.12	29.49	29.95	2.4	18	3.6	13	180	10	180	05				
06	67	57	62	M	59	60	3	0	-	-	RA FG BR	M	M	M	0.22	29.36	29.81	2.0	03	3.4	13	060	9	320	06				
07	81	55	68	M	62	65	0	3	-	-	RA BR	M	M	M	0.32	29.36	29.82	4.9	20	6.0	24	160	18	010	07				
08	M	M	M	M			M	M	-	-	TSRA RA BR	M	M	M	M	M	M	M	M	M	M	M	M	M	M	08			
09	M	M	M	M			M	M	-	-		M	M	M	M	M	M	M	M	M	M	M	M	M	M	09			
10	M	M	M	M			M	M	-	-		M	M	M	M	M	M	M	M	M	M	M	M	M	M	10			
11	72	50	61	M			4	0	-	-		M	M	M	0.00	29.56	M	M	M	8.2	15	360	12	360	11				
12	75	47	61	M	48	56	4	0	-	-	BR	M	M	M	0.00	29.62	30.08	7.1	14	7.7	22	170	16	120	12				
13	83	64	74	M	65	67	0	9	-	-	TSRA RA BR VCTS	M	M	M	0.20	29.40	29.85	14.2	18	15.2	41	190	30	210	13				
14	77	59	68	M	58	61	0	3	-	-	RA BR	M	M	M	1.17	29.65	30.07	0.5	24	4.6	45	250	26	300	14				
15	85	61	73	M	65	68	0	8	-	-	TSRA BR	M	M	M	1.04	29.53	29.98	7.9	20	9.6	30	180	24	210	15				
16	69	50	60	M	53	58	5	0	-	-	RA	M	M	M	0.02	29.70	30.11	8.3	33	9.7	30	340	23	350	16				
17	67	48	58	M	40	49	7	0	-	-		M	M	M	0.00	29.86	30.30	7.3	02	7.8	21	360	16	070	17				
18	70	45*	58	M	39	49	7	0	-	-		M	M	M	0.00	29.86	30.31	3.0	10	3.7	14	100	10	080	18				
19	78	47	63	M	46	54	2	0	-	-		M	M	M	0.00	29.85	30.30	1.7	14	2.4	14	110	10	130	19				
20	81	49	65	M	49	57	0	0	-	-		M	M	M	0.00	29.75	30.21	4.3	17	4.6	18	170	14	160	20				
21	84	54	69	M	58	63	0	4	-	-		M	M	M	0.00	29.70	30.15	2.5	18	3.5	20	210	16	200	21				
22	86	59	73	M	61	66	0	8	-	-	BR	M	M	M	T	29.65	30.10	1.4	20	2.3	14	240	12	230	22				
23	85	66	76	M	65	68	0	11	-	-	BR	M	M	M	0.00	29.58	30.03	1.7	05	2.1	13	070	9	080	23				
24	75	65	70	M	66	68	0	5	-	-	RA BR HZ	M	M	M	0.07	29.47	29.93	4.5	08	5.2	20	080	14	090	24				
25	83	67	75	M	68	70	0	10	-	-	RA BR	M	M	M	0.52	29.36	29.81	7.6	13	8.3	23	130	17	130	25				
26	80	67	74	M	68	70	0	9	-	-	TS TSRA RA BR VCTS	M	M	M	0.15	29.31	29.76	8.3	17	8.8	25	170	18	170	26				
27	87*	67	77*	M	67	70	0	12	-	-	TSRA RA BR VCTS	M	M	M	0.33	29.28	29.73	3.7	21	5.6	30	230	22	240	27				
28	73	57	65	M	62	63	0	0	-	-	RA BR	M	M	M	0.04	29.37	29.79	4.8	30	6.2	23	320	18	310	28				
29	78	56	67	M	58	62	0	2	-	-	BR	M	M	M	0.00	29.51	29.95	1.6	28	3.2	15	310	10	290	29				
30	84	60	72	M	62	65	0	7	-	-	RA	M	M	M	0.03	29.42	29.87	7.2	23	8.1	36	210	25	230	30				
31	83	61	72	M	50	60	0	7	-	-		M	M	M	0.00	29.52	29.96	1.4	02	4.2	15	070	10	030	31				
	76.6	56.3	66.5		M	M	1.9	3.5	<-----Monthly Averages Totals----->			M	M	3.57s	29.54	29.98	1.4	17	5.8	<Monthly Average									
	M	M	M		<-----Departure From Normal----->										M														

Degree Days Monthly Season to Date Total Departure Total Departure Heating: 52 M M M Cooling: 98 M	Greatest 24-hr Precipitation: 1.26s Date: 13-14 Greatest 24-hr Snowfall: M Date: M Greatest Snow Depth: M Date: M		Sea Level Pressure Date Time (LST) Maximum 30.38 18 0908 Minimum 29.45 08 1157	
	Number of Days with ----->	Max Temp >=90: 0 Max Temp <=32: 0 Thunderstorms : 6	Min Temp <=32: 0 Min Temp <=0 : 0 Heavy Fog : 0	Precipitation >=.01 inch: 10s Precipitation >=.10 inch: Snowfall >=1.0 inch : 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: 06/2009

Station Location: SOUTHERN ILLINOIS AIRPORT (93810)

CARBONDALE/MURPHYBORO , IL

Lat. 37.780 Lon. -89.250

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 of Hg)		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				
	1	2	3	4	5	6	7	8	9	10		11	13	14	15	16	17	18	19	20	21	22	23	24	25		26
	1	2	3	4	5	6	7	8	9	10		11	13	14	15	16	17	18	19	20	21	22	23	24	25		26
01	91	61	76	M	62	68	0	11	-	-		M	M	M	0.00	29.51	29.94	5.0	21	5.8	18	200	15	210	01		
02	90	66	78	M	65	69	0	13	-	-	RA BR VCTS	M	M	M	0.14	29.54	29.97	2.1	23	3.5	29	200	21	190	02		
03	79	61	70	M	63	66	0	5	-	-	TS RA BR	M	M	M	0.53	29.52	29.97	7.2	01	8.0	24	010	17	010	03		
04	72	55	64*	M	53	58	1	0	-	-		M	M	M	0.00	29.52	29.96	8.0	02	8.1	23	010	17	010	04		
05	79	52*	66	M	51	58	0	1	-	-	BR	M	M	M	0.00	29.52	29.97	4.2	35	4.5	18	340	14	350	05		
06	81	54	68	M	53	60	0	3	-	-	BR	M	M	M	0.00	29.50	29.95	4.9	17	5.0	18	160	15	170	06		
07	85	62	74	M	60	66	0	9	-	-		M	M	M	0.00	29.42	29.88	8.0	19	8.5	21	180	16	170	07		
08	87	66	77	M	66	69	0	12	-	-	TS RA	M	M	M	0.00s	29.41	29.86	7.5	20	9.7	14s	170	10s	190	08		
09	78	63	71	M	65	68	0	6	-	-	RA BR	M	M	M	T	29.49	29.92	0.5	07	4.0	13	150	10	030	09		
10	87	68	78	M	69	72	0	13	-	-	TSRA RA BR VCTS	M	M	M	0.56	29.35	29.79	3.3	21	5.2	35	310	23	310	10		
11	86	67	77	M	67	69	0	12	-	-	TS RA BR	M	M	M	0.25	29.34	29.76	4.0	29	8.3	28	310	20	320	11		
12	76	64	70	M	63	65	0	5	-	-	BR HZ	M	M	M	0.01s	29.47	29.90	2.2	36	3.3	13	340	9	340	12		
13	85	62	74	M	65	68	0	9	-	-	FG+ BR	M	M	M	0.00	29.49	29.92	1.6	21	2.2	13	240	12	240	13		
14	85	68	77	M	67	70	0	12	-	-	BR	M	M	M	0.00	29.50	29.95	1.8	30	2.8	14	030	10	010	14		
15	75	68	72	M	69	70	0	7	-	-	TSRA RA BR	M	M	M	0.56	29.49	29.94	2.2	12	3.1	13	160	10	170	15		
16	82	68	75	M	69	70	0	10	-	-	TSRA RA BR VCTS	M	M	M	0.84	29.42	29.87	4.3	18	5.0	29	260	22	260	16		
17	93	70	82	M	74	77	0	17	-	-		M	M	M	0.00	29.42	29.88	2.2	25	3.5	14	270	10	270	17		
18	92	78	85	M	74	77	0	20	-	-	HZ	M	M	M	0.00	29.39	29.84	7.5	21	8.1	20	230	15	230	18		
19	94	75	85	M	73	77	0	20	-	-		M	M	M	0.00	29.37	29.80	10.3	21	10.7	24	200	21	190	19		
20	93	74	84	M	74	77	0	19	-	-		M	M	M	0.04	29.41	29.84	3.3	25	3.2	24	270	16	220	20		
21	95	74	85	M	74	77	0	20	-	-		M	M	M	0.00	29.38	29.82	3.2	22	4.0	18	280	13	200	21		
22	95	76	86	M	75	78	0	21	-	-	RA VCTS	M	M	M	0.44	29.35	29.79	2.4	23	3.9	25	140	17	160	22		
23	96	75	86*	M	74	77	0	21	-	-		M	M	M	0.00	29.41	29.84	3.7	03	4.3	17	010	13	010	23		
24	95	73	84	M	72	75	0	19	-	-	BR HZ	M	M	M	0.00	29.47	29.90	0.5	01	2.2	23	340	18	350	24		
25	94	74	84	M	73	76	0	19	-	-	BR HZ	M	M	M	0.01s	29.42	29.86	5.2	23	5.4	18	230	14	240	25		
26	96	74	85	M	73	76	0	20	-	-	BR	M	M	M	0.00	29.39	29.82	1.1	33	2.5	33s	220	13	070	26		
27	97*	73	85	M	73	77	0	20	-	-	BR	M	M	M	0.00	29.39	29.83	1.0	26	2.5	20	010	10	310	27		
28	88	64	76	M	61	68	0	11	-	-	BR	M	M	M	0.00	29.42	29.86	7.5	33	7.7	25	350	20	340	28		
29	91	61	76	M	58	66	0	11	-	-		M	M	M	0.00	29.29	29.74	7.3	28	7.6	28	270	21	260	29		
30	89	65	77	M	59	66	0	12	-	-		M	M	M	0.00	29.27	29.71	5.4	30	6.1	24	280	17	300	30		

87.5 67.0 77.3 66.5 70.3 0.0 12.6 <-----Monthly Averages | Totals-----> M M 2.71s 29.43 29.87 1.7 25 5.3 <Monthly Average

M M M <-----Departure From Normal-----> M

Degree Days	Monthly	Season to Date	Greatest 24-hr Precipitation: 0.93s Date: 15-16		Sea Level Pressure Date Time (LST)	
	Total	Departure	Total	Departure	Maximum 30.03 15 1047	Minimum 29.65 30 1828
Heating:	1	M	M	M	Max Temp >=90: 14 Max Temp <=32: 0 Thunderstorms : 6	Min Temp <=32: 0 Min Temp <=0 : 0 Heavy Fog : 1
Cooling:	378	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: 07/2009

Station Location: SOUTHERN ILLINOIS AIRPORT (93810)

CARBONDALE/MURPHYBORO , IL

Lat. 37.780 Lon. -89.250

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 of Hg)		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				
	1	2	3	4	5	6	7	8	9	10		11	13	14	15	16	17	18	19	20	21	22	23	24	25		26
	1	2	3	4	5	6	7	8	9	10		11	13	14	15	16	17	18	19	20	21	22	23	24	25		26
01	85	62	74	M	60	65	0	9	-	-		M	M	M	0.00	29.38	29.80	3.5	31	4.9	18	290	14	310	01		
02	84	63	74	M	61	66	0	9	-	-		M	M	M	0.00	29.56	29.97	2.9	33	3.7	21	330	16	330	02		
03	87	62	75	M	62	67	0	10	-	-	BR	M	M	M	0.00	29.64	30.07	1.1	36	2.5	15	330	10	300	03		
04	77	69	73	M	68	69	0	8	-	-	RA BR VCTS	M	M	M	1.00	29.45	29.92	3.8	13	5.6	21	110	17	110	04		
05	76	66	71	M	67	69	0	6	-	-	BR HZ	M	M	M	0.00	29.43	29.86	4.8	35	4.7	20	360	15	360	05		
06	85	63	74	M	63	67	0	9	-	-	FG+ FG BR	M	M	M	0.01s	29.46	29.89	3.0	01	3.7	15	030	10	360	06		
07	87	60	74	M	62	67	0	9	-	-	BR	M	M	M	0.00	29.44	29.88	0.6	32	1.2	12	020	8	360	07		
08	89	66	78	M	63	68	0	13	-	-	BR HZ	M	M	M	0.01s	29.46	29.89	2.7	20	3.6	15	050	13	250	08		
09	93*	65	79	M	66	71	0	14	-	-	BR	M	M	M	0.00	29.57	29.99	1.8	17	2.8	14	270	9	250	09		
10	90	73	82*	M	69	73	0	17	-	-		M	M	M	0.00	29.64	30.07	6.2	19	6.5	20	200	15	210	10		
11	85	71	78	M	72	74	0	13	-	-	TSRA RA BR HZ VCTS	M	M	M	3.21	29.62	30.07	5.7	17	9.4	23s	200	20s	160	11		
12	84	68	76	M	71	72	0	11	-	-	TSRA RA FG BR	M	M	M	0.82	29.60	30.05	0.7	08	2.3	3s	330	3s	130	12		
13	85	66	76	M	67	69	0	11	-	-	FG+ FG BR	M	M	M	0.00	29.58	30.02	3.3	08	3.6	17	070	13	060	13		
14	85	65	75	M	66	70	0	10	-	-	FG+ FG BR	M	M	M	0.01s	29.59	30.03	5.1	14	5.5	15s	150	12	150	14		
15	89	71	80	M	73	74	0	15	-	-	TSRA RA BR	M	M	M	0.17	29.55	29.99	4.3	20	6.2	20	200	16	200	15		
16	87	70	79	M	71	73	0	14	-	-	TSRA RA FG+ BR	M	M	M	0.16	29.51	29.96	2.7	22	3.5	14	270	10	230	16		
17	78	66	72	M	58	63	0	7	-	-	VCTS	M	M	M	0.20	29.54	29.96	9.1	31	9.7	26	320	18	310	17		
18	75	62	69	M	56	61	0	4	-	-		M	M	M	0.00	29.65	30.08	5.5	33	6.1	20	330	15	330	18		
19	78	58*	68*	M	57	62	0	3	-	-		M	M	M	0.00	29.68	30.13	0.8	24	1.5	9	250	7	220	19		
20	84	62	73	M	60	65	0	8	-	-		M	M	M	0.00	29.60	30.06	4.2	14	5.0	15	170	12	130	20		
21	77	66	72	M	62	65	0	7	-	-	BR HZ	M	M	M	0.39	29.51	29.96	6.0	12	7.1	18	140	15	150	21		
22	77	65	71	M	65	67	0	6	-	-	BR	M	M	M	0.02s	29.47	29.92	5.0	33	6.1	21	350	15	330	22		
23	84	63	74	M	64	68	0	9	-	-	TS TSRA RA BR	M	M	M	0.08	29.52	29.97	2.5	29	3.9	21	280	15	280	23		
24	89	65	77	M	68	71	0	12	-	-	BR	M	M	M	0.01	29.46	29.90	3.8	21	5.7	17	200	14	210	24		
25	87	71	79	M	69	72	0	14	-	-	RA	M	M	M	0.04	29.43	29.86	8.0	23	8.7	31	210	24	210	25		
26	86	66	76	M	64	69	0	11	-	-	BR	M	M	M	0.00	29.50	29.92	3.6	30	3.9	20	310	14	320	26		
27	87	63	75	M	64	68	0	10	-	-	BR	M	M	M	0.01s	29.51	29.95	0.4	19	0.8	15	270	9	210	27		
28	87	69	78	M	69	71	0	13	-	-	TS TSRA BR	M	M	M	0.01	29.38	29.83	4.5	19	5.1	16s	200	14s	210	28		
29	84	69	77	M	68	71	0	12	-	-	BR	M	M	M	0.00	29.41	29.85	2.5	30	3.8	14	350	12	350	29		
30	82	72	77	M	70	72	0	12	-	-	RA BR	M	M	M	0.07	29.42	29.86	3.5	21	5.2	17	200	13	220	30		
31	83	64	74	M	62	66	0	9	-	-	BR	M	M	M	0.01s	29.57	30.00	2.9	32	3.6	16	360	12	340	31		

84.1	65.8	75.0		65.1	68.5	0.0	10.2	<-----Monthly Averages Totals----->				M	M	6.23s	29.52	29.96	0.9	24	4.7	<Monthly Average					
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M	M	M		<-----Departure From Normal----->				M																		
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Degree Days	Monthly	Season to Date	Greatest 24-hr Precipitation: 3.21 Date: 11										Sea Level		Pressure		Date		Time (LST)	
	Total Departure	Total Departure	Greatest 24-hr Snowfall: M Date: M										Maximum 30.19		19		0830			
Heating:	0	M	M	M	Greatest Snow Depth: M Date: M										Minimum 29.73		01		0202	
Cooling:	315	M	Number of Days with ----->										Max Temp >=90: 2		Min Temp <=32: 0		Min Temp <=0 : 0		Precipitation >=.01 inch: 18	
													Thunderstorms : 8		Heavy Fog : 4		Snowfall >=1.0 inch : 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: 08/2009

Station Location: SOUTHERN ILLINOIS AIRPORT (93810)
CARBONDALE/MURPHYBORO , IL

Lat. 37.780 Lon. -89.250

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 of Hg)		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				
	1	2	3	4	5	6	7	8	9	10		11	13	14	15	16	17	18	19	20	21	22	23	24	25		26
	Depth	Water Equiv	Snow Fall	Water Equiv																	Speed	Dir	Speed	Speed	Dir		Speed
01	84	62	73	M	66	68	0	8	-	-	RA BR	M	M	M	0.60	29.52	29.97	4.7	20	5.3	25	200	20	200	01		
02	83	62	73	M	63	67	0	8	-	-	FG+ BR	M	M	M	0.01s	29.56	30.00	0.9	33	2.5	12	320	9	310	02		
03	89	62	76	M	70	72	0	11	-	-	BR	M	M	M	0.01s	29.49	29.94	7.5	19	7.6	23	190	17	190	03		
04	91	70	81	M	71	73	0	16	-	-	TS TSRA BR VCTS	M	M	M	0.23	29.49	29.91	5.3	21	8.5	14s	220	10s	220	04		
05	84	68	76	M	69	71	0	11	-	-	BR HZ	M	M	M	0.08s	29.57	30.01	0.4	30	1.9	10	030	8	020	05		
06	86	68	77	M	65	69	0	12	-	-	FG+ FG BR HZ	M	M	M	0.01s	29.64	30.07	1.7	04	2.2	14	010	9	030	06		
07	88	64	76	M	69	71	0	11	-	-	BR HZ	M	M	M	0.01s	29.63	30.08	5.3	18	5.8	22	180	15	190	07		
08	91	72	82	M	72	75	0	17	-	-	BR	M	M	M	0.00	29.61	30.05	9.8	19	10.0	25	200	20	180	08		
09	91	72	82	M	73	75	0	17	-	-	BR HZ	M	M	M	0.00	29.65	30.08	8.3	19	8.5	26	190	21	190	09		
10	92*	72	82	M	73	75	0	17	-	-	RA	M	M	M	0.41	29.60	30.03	M	M	M	37	230	20	240	10		
11	84	68	76	M	70	72	0	11	-	-	RA BR	M	M	M	0.37	29.58	30.02	M	M	3.2	16	330	13	330	11		
12	84	64	74	M	63	67	0	9	-	-	BR	M	M	M	0.00	29.64	30.07	2.7	36	3.5	20	340	13	340	12		
13	85	59	72	M	63	67	0	7	-	-	FG BR	M	M	M	0.01s	29.65	30.09	0.7	06	1.0	9	020	7	110	13		
14	88	62	75	M	66	69	0	10	-	-	FG+ FG BR	M	M	M	0.01s	29.64	30.08	1.8	11	2.0	10	090	7	120	14		
15	88	65	77	M	69	72	0	12	-	-	FG+ BR	M	M	M	0.00	29.60	30.04	3.9	17	4.5	18	200	14	170	15		
16	90	73	82*	M	72	75	0	17	-	-	BR HZ	M	M	M	0.00	29.60	30.03	7.1	18	7.5	24	200	20	210	16		
17	88	71	80	M	71	74	0	15	-	-	RA BR	M	M	M	0.39	29.60	30.05	6.7	18	6.6	30	310	22	330	17		
18	85	67	76	M	71	73	0	11	-	-	TS FG+ BR VCTS	M	M	M	0.26	29.58	30.03	0.2	02	3.0	35	170	24	180	18		
19	88	71	80	M	71	73	0	15	-	-	TS RA VCTS	M	M	M	0.41	29.44	29.89	8.4	19	8.9	29	230	22	210	19		
20	78	67	73	M	67	69	0	8	-	-	TSRA RA BR	M	M	M	0.47	29.41	29.84	9.4	22	10.0	40	250	28	260	20		
21	82	64	73	M	61	65	0	8	-	-		M	M	M	0.01s	29.47	29.90	7.3	27	8.5	21	270	16	240	21		
22	77	57	67	M	57	61	0	2	-	-		M	M	M	0.00	29.58	30.01	6.0	33	6.2	22	320	16	340	22		
23	76	55	66	M	57	60	0	1	-	-	FG BR	M	M	M	0.00	29.64	30.08	2.2	02	2.6	16	340	12	340	23		
24	79	54	67	M	59	62	0	2	-	-	FG+ FG BR	M	M	M	0.01s	29.69	30.13	2.3	06	2.6	13	090	10	090	24		
25	83	55	69	M	61	64	0	4	-	-	FG+ FG BR	M	M	M	0.01s	29.64	30.09	1.3	18	1.6	13	200	9	200	25		
26	87	61	74	M	65	68	0	9	-	-	BR	M	M	M	0.00	29.61	30.06	1.8	16	2.0	13	200	10	210	26		
27	87	63	75	M	66	69	0	10	-	-	BR	M	M	M	0.01s	29.54	29.99	2.2	18	2.7	14	150	10	160	27		
28	79	64	72	M	67	69	0	7	-	-	RA BR	M	M	M	0.11	29.46	29.91	1.2	30	2.7	15	330	12	340	28		
29	81	58	70	M	62	65	0	5	-	-	BR	M	M	M	0.00	29.51	29.94	5.0	33	5.9	18	320	13	340	29		
30	73	54	64	M	54	58	1	0	-	-		M	M	M	0.00	29.68	30.11	5.1	35	5.6	22	350	16	340	30		
31	73	50*	62*	M	54	58	3	0	-	-	FG BR	M	M	M	0.01s	29.77	30.20	3.6	03	4.0	16	040	12	020	31		

84.3 63.7 74.0 65.7 68.6 0.1 9.4 <-----Monthly Averages | Totals-----> M M 2.82s 29.59 30.03 1.9 20 4.9 <Monthly Average

M M M <-----Departure From Normal-----> M

Degree Days Monthly Season to Date Total Departure Total Departure Heating: 4 M M M Cooling: 291 M	Greatest 24-hr Precipitation: 0.85s Date: 19-20 Greatest 24-hr Snowfall: M Date: M Greatest Snow Depth: M Date: M	Sea Level Pressure Date Time (LST) Maximum 30.25 31 1045 Minimum 29.73 20 0716
	Number of Days with -----> Max Temp >=90: 5 Max Temp <=32: 0 Thunderstorms : 5	Min Temp <=32: 0 Min Temp <=0 : 0 Heavy Fog : 7

* 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: 09/2009

Station Location: SOUTHERN ILLINOIS AIRPORT (93810)

CARBONDALE/MURPHYBORO , IL

Lat. 37.780 Lon. -89.250

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 of Hg)		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			
	1	2	3	4	5	6	7	8	9	10		11	13	14	15	16	17	18	19	20	21	22	23		24	25
01	76	53	65	M	54	58	0	0	-	-	BR	M	M	M	0.00	29.78	30.23	2.3	04	3.1	20	040	13	010	01	
02	79	49	64	M	55	59	1	0	-	-	FG+ BR	M	M	M	0.01s	29.70	30.16	0.8	02	1.3	9	020	7	030	02	
03	81	56	69	M	61	64	0	4	-	-	BR VCTS	M	M	M	T	29.61	30.07	1.8	06	2.2	7s	050	6s	040	03	
04	83	59	71	M	63	66	0	6	-	-	FG+ FG BR	M	M	M	0.01s	29.62	30.06	1.0	06	1.3	15	150	7	140	04	
05	76	65	71	M	66	68	0	6	-	-	RA BR VCTS	M	M	M	0.51	29.65	30.09	2.7	09	3.0	15	120	13	110	05	
06	82	64	73	M	65	67	0	8	-	-	TSRA RA FG BR VCTS	M	M	M	0.18	29.65	30.10	1.8	10	3.7	15	020	12	350	06	
07	83	62	73	M	66	68	0	8	-	-	FG+ BR	M	M	M	0.01s	29.59	30.04	0.6	03	1.2	9	150	7	150	07	
08	84	60	72	M	64	66	0	7	-	-	FG+ FG BR HZ	M	M	M	0.00	29.57	30.02	2.2	05	2.4	15	040	12	060	08	
09	83	58	71	M	62	65	0	6	-	-	FG+ BR HZ	M	M	M	0.01s	29.62	30.06	2.4	04	2.6	15	050	8	020	09	
10	84	59	72	M	64	66	0	7	-	-	FG+ FG BR HZ	M	M	M	0.01s	29.66	30.10	1.7	04	1.8	13	060	10	050	10	
11	84	59	72	M	63	66	0	7	-	-	FG+ FG BR	M	M	M	0.01s	29.63	30.08	1.7	02	2.2	10	040	8	350	11	
12	82	60	71	M	61	65	0	6	-	-	FG+ BR HZ	M	M	M	0.00	29.60	30.05	3.7	06	4.1	17	050	15	050	12	
13	81	52	67	M	58	61	0	2	-	-	FG+ BR	M	M	M	0.01s	29.59	30.04	3.6	06	3.8	17	040	14	060	13	
14	82	54	68	M	61	64	0	3	-	-	FG+ BR	M	M	M	0.01s	29.54	30.00	3.7	07	3.9	15	060	12	060	14	
15	80	66	73	M	65	67	0	8	-	-	TSRA RA BR VCTS	M	M	M	0.02	29.52	29.96	3.5	06	4.1	18	090	14	100	15	
16	84*	64	74	M	62	66	0	9	-	-	HZ	M	M	M	0.00	29.56	29.99	8.3	06	8.7	25	060	20	060	16	
17	80	61	71	M	58	63	0	6	-	-		M	M	M	0.00	29.60	30.04	6.9	04	7.0	23	030	17	040	17	
18	81	59	70	M	58	63	0	5	-	-		M	M	M	0.00	29.64	30.07	5.0	03	5.3	20	030	14	030	18	
19	80	61	71	M	61	65	0	6	-	-		M	M	M	T	29.61	30.07	5.4	06	5.9	15	050	12	050	19	
20	82	65	74	M	67	69	0	9	-	-	TSRA RA FG+ BR	M	M	M	0.04	29.50	29.95	0.1	07	3.7	20	160	16	160	20	
21	82	65	74	M	68	70	0	9	-	-	FG+ BR HZ	M	M	M	0.62	29.51	29.96	3.3	18	4.2	18	190	16	200	21	
22	81	67	74	M	67	69	0	9	-	-	RA BR	M	M	M	0.02	29.55	29.99	2.4	19	4.8	22	320	18	320	22	
23	81	68	75*	M	67	69	0	10	-	-	RA BR	M	M	M	0.01	29.67	30.10	1.9	04	2.6	10	080	8	070	23	
24	74	68	71	M	67	68	0	6	-	-	RA BR	M	M	M	1.37	29.62	30.07	4.6	02	4.9	18	030	13	050	24	
25	80	59	70	M	64	66	0	5	-	-	RA FG+ FG BR	M	M	M	0.02	29.63	30.08	2.5	31	2.9	15	320	13	310	25	
26	80	53	67	M	58	60	0	2	-	-	TSRA RA FG+ FG BR	M	M	M	0.32	29.46	29.93	0.9	31	1.8	40	340	33	340	26	
27	79	52	66	M	59	63	0	1	-	-	FG+ FG BR	M	M	M	0.00	29.26	29.73	8.0	21	9.0	25	240	21	210	27	
28	74	50	62	M	41	51	3	0	-	-		M	M	M	0.00	29.47	29.88	10.7	29	11.3	36	310	23	320	28	
29	68	47	58	M	45	51	7	0	-	-	BR	M	M	M	0.00	29.61	30.03	5.6	31	6.1	23	310	17	330	29	
30	71	42*	57*	M	48	52	8	0	-	-	FG+ FG BR	M	M	M	0.00	29.62	30.08	0.9	10	1.0	9	120	7	120	30	
79.9	58.6	69.3			60.6	63.8	0.6	5.2	<-----Monthly Averages Totals----->			M	M	M	3.19s	29.59	30.03	1.5	04	4.0	<Monthly Average					
M	M	M	<-----Departure From Normal----->											M												

Degree Days	Monthly	Season to Date	Greatest 24-hr Precipitation: 1.38 Date: 23-24		Sea Level Pressure Date Time (LST)	
	Total Departure	Total Departure	Greatest 24-hr Snowfall: M Date: M		Maximum 30.28 01 1008	
Heating:	19	M M M	Greatest Snow Depth: M Date: M		Minimum 29.58 27 2220	
Cooling:	155	M	Number of Days with ----->		Max Temp >=90: 0	Precipitation >=.01 inch: 17s
					Max Temp <=32: 0	Precipitation >=.10 inch:
					Thunderstorms : 4	Snowfall >=1.0 inch : M
					Min Temp <=32: 0	
					Heavy Fog : 16	

* 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: 10/2009

Station Location: SOUTHERN ILLINOIS AIRPORT (93810)

CARBONDALE/MURPHYBORO , IL

Lat. 37.780 Lon. -89.250

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 of Hg)		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				
	1	2	3	4	5	6	7	8	9	10		11	13	14	15	16	17	18	19	20	21	22	23	24	25		26
	Depth	Water Equiv	Snow Fall	Water Equiv																		Speed	Dir	Speed	Dir		Speed
01	74*	50	62	M	56	59	3	0	-	-	RA	VCTS	M	M	M	0.29	29.38	29.85	9.6	17	10.4	28	180	22	170	01	
02	70	49	60	M	41	51	5	0	-	-			M	M	M	0.00	29.29	29.75	11.4	24	11.9	38	220	30	240	02	
03	66	43	55	M	42	49	10	0	-	-			M	M	M	0.00	29.47	29.89	6.4	26	7.3	24	280	18	230	03	
04	62	39	51	M	44	47	14	0	-	-	FG+	FG BR	M	M	M	0.00	29.62	30.07	0.2	19	0.5	14	210	8	170	04	
05	71	40	56	M	47	51	9	0	-	-	FG+	FG BR	M	M	M	0.00	29.54	30.01	2.1	12	2.5	14	110	10	080	05	
06	68	56	62	M			3	0	-	-	TSRA	RA BR	M	M	M	0.41	29.36	29.81	8.0	22	10.3	26	310	21	220	06	
07	66	43	55	M	43	49	10	0	-	-	RA		M	M	M	0.01	29.64	30.08	1.6	30	3.9	20	300	14	170	07	
08	61	53	57	M	54	55	8	0	-	-	RA	FG BR	M	M	M	2.95	29.44	29.92	2.9	09	4.6	28	020	21	030	08	
09	67	49	58	M			7	0	-	-	RA	BR	M	M	M	1.01	29.47	29.91	3.9	31	8.4	25	300	20	320	09	
10	61	40	51	M	40	45	14	0	-	-	BR		M	M	M	0.00	29.78	30.20	4.4	35	4.9	17	030	14	340	10	
11	59	39	49	M	38	43	16	0	-	-			M	M	M	0.00	29.82	30.28	4.3	03	5.4	16	040	13	040	11	
12	65	45	55	M	47	51	10	0	-	-	RA	BR	M	M	M	0.01	29.68	30.14	1.6	34	4.2	23	110	17	110	12	
13	54	49	52	M	44	48	13	0	-	-	RA	BR HZ	M	M	M	0.02	29.75	30.22	7.1	04	7.9	18	040	14	040	13	
14	51	47	49	M			16	0	-	-	RA	DZ BR	M	M	M	0.68	29.52	30.00	5.1	04	5.7	18	070	13	050	14	
15	51	47	49	M	46	48	16	0	-	-	RA	BR HZ	M	M	M	0.24	29.46	29.90	6.2	35	6.7	17	330	14	320	15	
16	50	44	47	M	40	43	18	0	-	-	RA		M	M	M	T	29.67	30.09	8.3	34	8.5	20	340	15	360	16	
17	55	35	45	M	37	41	20	0	-	-			M	M	M	0.01	29.88	30.31	5.7	34	6.1	24	010	17	010	17	
18	59	30*	45*	M	33	39	20	0	-	-	BR		M	M	M	0.00	29.86	30.34	2.7	18	3.2	15	240	12	210	18	
19	67	38	53	M	39	47	12	0	-	-			M	M	M	0.00	29.68	30.16	11.6	19	11.8	30	200	24	200	19	
20	71	47	59	M	46	52	6	0	-	-			M	M	M	0.00	29.68	30.13	9.9	19	10.2	28	190	23	190	20	
21	67	42	55	M	46	51	10	0	-	-			M	M	M	0.00	29.64	30.11	4.6	17	5.2	17	200	13	210	21	
22	67	57	62	M	56	58	3	0	-	-	RA	BR	M	M	M	1.36	29.31	29.82	7.3	14	8.0	22	140	17	150	22	
23	68	48	58	M	51	55	7	0	-	-	RA	BR	M	M	M	0.12	29.21	29.64	8.6	25	10.9	39	150	26	160	23	
24	62	43	53	M	39	46	12	0	-	-			M	M	M	0.00	29.45	29.87	6.0	23	8.0	23	290	17	260	24	
25	69	43	56	M	42	49	9	0	-	-			M	M	M	0.00	29.59	30.02	6.0	17	6.4	18	150	15	180	25	
26	70	45	58	M	47	52	7	0	-	-	RA		M	M	M	T	29.60	30.05	0.7	24	5.3	16	340	13	190	26	
27	55	52	54	M	51	53	11	0	-	-	RA	BR	M	M	M	0.85	29.38	29.86	3.2	04	3.8	13	050	10	060	27	
28	59	46	53	M	51	53	12	0	-	-	BR		M	M	M	T	29.54	29.98	2.7	14	3.0	12	200	10	200	28	
29	68	43	56	M	55	56	9	0	-	-	RA	FG+ FG BR	M	M	M	0.44	29.42	29.90	7.7	13	8.4	26	160	18	160	29	
30	73	52	63*	M			2	0	-	-	RA		M	M	M	1.41	29.28	29.71	11.0	19	13.2	41	170	30	170	30	
31	59	38	49	M	38	45	16	0	-	-			M	M	M	0.00	29.58	29.99	4.7	26	5.8	18	320	13	310	31	
-----Monthly Averages Totals-----													M	M	9.82s	29.55	30.00	1.7	21	6.9	<Monthly Average						
-----Departure From Normal-----													M														

Degree Days Monthly Season to Date Total Departure Total Departure Heating: 328 M M M Cooling: 0 M	Greatest 24-hr Precipitation: 3.44s Date: 08-09 Greatest 24-hr Snowfall: M Date: M Greatest Snow Depth: M Date: M				Sea Level Pressure Date Time (LST) Maximum 30.45 18 0922 Minimum 29.45 23 0101										
	Number of Days with ----->				Max Temp >=90: 0 Max Temp <=32: 0 Thunderstorms : 1				Min Temp <=32: 1 Min Temp <=0 : 0 Heavy Fog : 3				Precipitation >=.01 inch: 15 Precipitation >=.10 inch: : M Snowfall >=1.0 inch : M		

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

Data Version: VER2