

# Illinois Climate Network Monthly Summaries - Carbondale, IL

Illinois Climate Network (ICN)  
September 2005  
Monthly Summary for Carbondale

DAY	MAX WIND SPEED		AVG WIND SPEED	DIR	TOTAL SOLAR RAD	MAX AIR TEMP	MIN AIR TEMP	AVG AIR TEMP	MAX REL HUM	MIN REL HUM	AVG DEW POINT	TOTAL PRECIP		MAX 4" SOIL TEMP	MIN 4" SOIL TEMP	AVG 4" SOIL TEMP	MAX 8" SOIL TEMP	MIN 8" SOIL TEMP	AVG 8" SOIL TEMP
	MPH	ØF										IN	IN						
1	15.9	3.3	282.0	19.65	87.4	61.8	74.3	100.0	56.0	68.0	0.00	0.18	83.8	77.3	80.4	78.0	74.9	76.5	
2	14.4	2.1	110.8	24.30	86.5	58.4	71.8	99.9	32.1	60.8	0.00	0.22	85.0	77.1	80.8	78.4	74.9	76.6	
3	15.8	2.3	30.9	24.51	86.2	57.2	70.7	100.0	36.2	61.0	0.00	0.22	84.6	76.9	80.6	78.2	74.9	76.6	
4	13.7	2.5	105.1	24.41	85.3	54.6	70.3	100.0	39.1	61.0	0.00	0.22	84.7	76.2	80.2	78.0	74.5	76.3	
5	15.7	3.3	91.9	23.77	83.3	55.5	68.7	99.8	40.5	59.7	0.00	0.21	84.1	76.5	80.1	77.8	74.6	76.3	
6	10.5	1.7	240.1	21.23	88.5	56.2	71.6	99.7	45.9	64.8	0.00	0.19	84.2	76.2	80.1	77.8	74.3	76.1	
7	9.7	1.7	159.1	19.37	87.7	61.3	73.2	100.0	46.1	65.7	0.00	0.18	84.7	77.5	80.8	78.2	75.1	76.6	
8	11.5	2.8	256.3	21.95	90.2	63.6	76.1	98.8	41.1	66.7	0.00	0.21	85.3	78.0	81.3	78.8	75.5	77.0	
9	9.1	1.9	265.0	17.81	91.9	63.7	76.5	99.5	45.9	68.7	0.00	0.17	85.4	78.8	82.0	79.1	76.2	77.7	
10	15.3	2.2	145.5	19.68	90.7	64.3	76.3	100.0	46.8	69.1	0.00	0.19	86.3	78.9	82.4	79.4	76.3	77.9	
11	17.1	2.5	179.9	18.15	89.2	62.3	74.5	100.0	39.2	66.2	0.00	0.17	85.3	79.0	81.9	79.0	76.5	77.7	
12	15.7	4.1	205.5	20.98	88.6	60.4	75.0	99.6	40.1	63.7	0.00	0.20	84.6	77.5	81.0	78.5	75.5	77.2	
13	21.6	8.2	195.3	20.22	89.5	69.3E	78.6	73.0	39.0E	63.3	0.00	0.19	85.0	78.4E	81.5	78.8	75.9E	77.4	
14	26.5	4.9	280.0	16.25	81.5	65.3	72.3	97.7	58.9	66.2	0.28	0.14	84.1	79.0	81.3	78.4	76.3	77.4	
15	17.2	4.1	176.5	6.08	73.6	64.6	68.9	98.7	85.4	67.3	0.74	0.05	80.3	76.1	78.6	77.5	74.3	75.6	
16	14.8	4.5	329.1	4.27	67.7	61.4	64.0	99.0	84.0	62.1	0.00	0.03	78.1	75.0	76.6	75.3	72.8	74.1	
17	9.2	2.7	111.1	17.15	72.6	55.1	62.4	100.0	63.3	58.1	0.00	0.14	79.9	72.7	75.7	74.1	71.1	72.5	
18	16.1	3.1	147.4	10.23	75.2	53.0	63.0	99.8	76.0	61.0	0.10	0.08	77.7	72.0	74.3	73.1	70.4	71.6	
19	18.9	6.6	196.5	19.90	88.6	61.0	77.2	99.7	57.6	68.7	0.00	0.19	81.8	73.7	77.5	75.2	71.0	72.9	
20	24.2	3.2	131.8	16.74	83.6	63.8	72.1	99.2	62.2	67.5	0.67	0.15	83.5	76.4	79.5	76.7	73.3	74.8	
21	9.9	2.3	142.4	20.51	87.1	61.3	73.0	99.8	50.8	67.1	0.00	0.19	84.8	76.3	80.2	77.5	73.7	75.6	
22	17.3	6.1	201.7	19.01	89.3	70.2	79.0	95.4	55.7	71.6	0.00	0.18	84.7	78.3	81.3	78.1	75.0	76.5	
23	10.0	2.7	196.1	17.16	89.3	68.3	77.5	97.3	46.3	69.8	0.00	0.16	85.7	79.3	82.2	78.8	75.9	77.4	
24	14.7	4.1	126.1	13.03	84.7	65.9	75.2	99.1	58.9	69.1	0.00	0.12	83.6	79.0	81.3	78.3	76.0	77.2	
25	33.6	6.1	115.9	2.01	76.1	69.6	71.1	98.9	74.0	69.4	1.12	0.02	81.2	78.7	79.5	77.5	75.2	76.1	
26	20.0	5.4	335.2	11.46	78.5	59.6	70.2	98.4	62.2	65.5	0.00	0.10	81.4	77.0	79.0	75.9	74.8	75.2	
27	9.4	1.8	148.7	18.45	77.2	53.4	63.9	99.7	51.3	59.4	0.00	0.15	80.9	73.6	77.0	75.1	72.1	73.6	
28	34.3	7.7	246.9	19.62	81.4	53.9	66.7	99.8	52.9	60.3	0.37	0.17	79.9	73.5	76.3	74.4	71.7	73.0	
29	23.0	4.4	9.4	21.27	63.1	42.2	52.3	99.1	38.2	43.2	0.00	0.16	75.8	69.9	72.7	73.4	69.3	70.7	
30	13.0	2.1	161.1	20.73	69.9	38.3	54.0	100.0	41.2	46.2	0.00	0.16	74.4	66.3	70.2	69.9	66.3	68.0	
TOT				529.90							3.28	4.74							
AVG		3.7	186.2	17.66	82.8	59.8	70.7	98.4	52.2	63.7		0.16	82.7	76.2	79.2	77.0	73.9	75.4	
MAX	34.3				91.9			100.0					86.3			79.4			
MIN						38.3			32.1					66.3					

Total Heating Degree Days : 25.8

Total Cooling Degree Days : 215.6

Total Hours of Wind > 8 mph : 66

Illinois Climate Network (ICN)  
 October 2005  
 Monthly Summary for Carbondale

DAY	MAX WIND SPEED MPH	AVG WIND SPEED MPH	DIR AVG WIND Ø	TOTAL SOLAR RAD MJ/M*M	MAX AIR TEMP øF	MIN AIR TEMP øF	AVG AIR TEMP øF	MAX REL HUM %	MIN REL HUM %	AVG DEW POINT øF	TOTAL PRECIP IN	TOTAL EVAP IN	MAX 4" SOIL TEMP øF		MIN 4" SOIL TEMP øF		AVG 4" SOIL TEMP øF		MAX 8" SOIL TEMP øF		MIN 8" SOIL TEMP øF		AVG 8" SOIL TEMP øF	
													MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	12.3	2.6	162.0	19.80	78.9	46.7	62.4	99.5	36.1	54.1	0.00	0.17	75.7	67.5	71.4	66.3	68.0	69.9	66.3	68.0	66.3	68.0		
2	17.8	6.5	171.9	15.69	84.9	66.7	75.2	98.7	58.1	68.9	0.00	0.14	78.7	72.0	75.0	69.1	70.3	72.5	69.1	70.3	72.5	70.3		
3	12.6	4.0	174.9	16.14	84.5	67.3	74.7	97.1	59.0	68.9	0.00	0.15	80.6	74.4	77.4	71.2	72.5	74.2	71.2	72.5	74.2	72.5		
4	15.3	3.6	170.0	17.32	84.4	63.0	73.6	98.9	53.3	66.6	0.00	0.16	81.3	75.3	78.1	72.4	73.6	74.9	72.4	73.6	74.9	73.6		
5	13.1	2.8	198.5	18.12	84.1	57.6	70.2	99.4	49.4	64.2	0.00	0.16	80.8	74.1	77.4	72.0	73.4	74.7	72.0	73.4	74.7	72.0		
6	21.3	8.2	350.3	10.27	67.4	47.3	57.9	98.8	44.7	48.4	0.00	0.08	77.1	71.4	74.7	70.6	72.3	74.2	70.6	72.3	74.2	70.6		
7	19.8	8.2	353.7	18.03	57.8	41.7	49.1	85.8	55.6	40.3	0.00	0.13	72.5	67.9	70.0	67.6	68.5	70.7	67.6	68.5	70.7	67.6		
8	19.8	5.2	14.0	18.83	60.4	37.5	48.2	99.2	47.8	40.5	0.00	0.14	70.7	64.8	67.5	64.8	66.0	67.8	64.8	66.0	67.8	64.8		
9	14.8	2.6	33.5	14.30	65.4	36.4	50.4	100.0	51.4	45.0	0.00	0.11	70.1	63.8	66.6	63.5	64.8	66.0	63.5	64.8	67.1	64.2		
10	10.1	2.6	23.0	5.24	59.2	41.6	52.3	99.8	75.6	49.3	0.00	0.04	67.3	64.1	66.0	63.5	64.2	65.5	63.5	64.2	67.1	64.2		
11	8.9	1.7	8.2	3.76	60.7	47.6	55.6	99.3	79.0	53.2	0.00	0.03	68.3	65.9	66.9	64.0	64.4	65.0	64.0	64.4	67.1	64.2		
12	9.8	1.4	311.2	15.00	71.9	48.1	58.3	99.7	53.8	53.4	0.00	0.12	71.7	65.2	67.8	63.5	64.8	66.5	63.5	64.8	67.1	64.2		
13	11.8	2.2	270.3	17.27	75.7	45.9	59.2	99.7	48.2	53.1	0.00	0.14	72.4	65.1	68.5	64.0	65.5	67.1	64.0	65.5	67.1	64.2		
14	14.5	2.0	301.1	17.42	75.0	45.3	58.6	99.7	37.9	51.4	0.00	0.14	72.2	65.1	68.4	64.2	65.7	67.1	64.2	65.7	67.1	64.2		
15	16.3	3.8	332.2	17.76	72.9	40.4	57.9	98.1	26.3	45.9	0.00	0.15	71.5	65.4	68.0	64.3	65.5	66.7	64.3	65.5	67.1	64.2		
16	11.8	1.9	329.1	17.62	71.1	36.5	52.2	100.0	25.0	40.6	0.00	0.14	69.8	62.4	65.8	62.5	64.0	65.7	62.5	64.0	67.1	64.2		
17	21.3	5.2	208.1	16.12	78.0	39.5	60.4	98.6	35.3	47.1	0.00	0.14	69.6	62.5	66.0	62.2	63.7	65.1	62.2	63.7	67.1	64.2		
18	11.7	2.3	133.5	16.68	79.2	50.4	62.6	98.7	31.2	50.7	0.01	0.14	72.2	65.2	68.4	63.8	65.1	66.7	63.8	65.1	67.1	64.2		
19	15.3	3.3	253.1	15.76	86.9	49.2	67.8	98.4	39.8	58.5	0.00	0.14	73.4	65.6	69.3	64.2	65.8	67.7	64.2	65.8	67.7	64.2		
20	21.4	4.7	112.1	3.33	69.2	55.2	60.6	98.8	74.3	57.2	0.41	0.03	70.2	67.8	68.9	65.6	66.2	67.5	65.6	66.2	67.7	64.2		
21	20.8	7.0	324.8	1.71	60.7	45.1	52.3	98.9	91.0	51.1	0.02	0.01	68.4	63.4	66.6	63.0	64.8	66.0	63.0	64.8	67.7	64.2		
22	21.1	4.3	293.5	14.53	62.4	41.5	51.1	99.6	46.1	44.8	0.01	0.11	66.6	61.1	63.7	60.8	62.1	63.1	60.8	62.1	67.7	64.2		
23	21.2	5.6	317.3	10.52	51.2	38.5	43.0	97.2	50.2	38.8	0.26	0.07	64.1	59.3	61.7	59.6	60.8	62.6	59.6	60.8	67.7	64.2		
24	24.9	8.7	329.5	8.00	51.0	41.4	45.1	89.3	57.2	37.2	0.01	0.05	60.0	57.7	58.8	57.6	58.3	59.7	57.6	58.3	67.7	64.2		
25	18.5	5.4	329.0	10.57	53.3	32.3	43.0	99.7	50.7	35.8	0.00	0.07	59.1	55.4	57.2	55.7	56.7	57.7	55.7	56.7	67.7	64.2		
26	10.8	1.5	313.0	13.06	56.6	29.6	43.5	100.0	43.1	36.5	0.00	0.09	58.9	52.6	55.9	53.8	55.4	56.6	53.8	55.4	67.7	64.2		
27	12.5	2.0	346.7	12.29	57.9	32.8	45.5	99.6	40.2	38.3	0.00	0.09	60.7	55.9	57.7	55.5	56.5	57.6	55.5	56.5	67.7	64.2		
28	10.9	1.4	35.2	15.47	58.8	28.0	41.2	100.0	39.0	34.3	0.00	0.11	59.4	52.6	55.9	53.7	55.2	56.7	53.7	55.2	67.7	64.2		
29	13.6	2.4	165.5	15.76	60.9	28.5	42.4	100.0	35.7	34.0	0.01	0.11	59.0	51.9	55.2	53.1	54.7	55.9	53.1	54.7	67.7	64.2		
30	20.7	5.4	199.0	14.16	65.3	30.0	50.5	99.2	35.5	36.9	0.00	0.11	58.0	51.6	55.0	52.7	54.3	55.6	52.7	54.3	67.7	64.2		
31	19.2	6.3	199.5	8.33	70.0	51.2	57.9	97.6	45.6	46.0	0.04	0.07	60.9	56.7	58.6	55.4	56.3	57.7	55.4	56.3	67.7	64.2		
TOT				418.86							0.77	3.34												
AVG		4.0	307.9	13.51	68.2	44.0	55.6	98.4	48.9	48.1		0.11	69.1	63.4	66.1	62.6	63.8	65.3	62.6	63.8	67.7	64.2		
MAX	24.9				86.9			100.0					81.3			74.9								
MIN			28.0						25.0					51.6			52.7							

Total Heating Degree Days : 315.2

Total Cooling Degree Days : 39.3

Total Hours of Wind > 8 mph : 110

Illinois Climate Network (ICN)  
 November 2005  
 Monthly Summary for Carbondale

DAY	WIND SPEED		DIR		TOTAL SOLAR		MAX AIR		MIN AIR		AVG AIR		REL HUM		DEW POINT		TOTAL PRECIP		TOTAL EVAP		MAX 4"		MIN 4"		AVG 4"		MAX 8"		MIN 8"		AVG 8"	
	MPH	MPH	°	°	MJ/M*H	°F	°F	°F	°F	°F	%	%	°F	°F	IN	IN	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F		
1	18.1	5.1	334.0		15.32	60.5	36.7	48.9	96.1	35.9	40.5	0.02	0.11	61.7	57.0	59.4	58.4	56.8	57.6													
2	22.0	4.3	201.4		14.83	71.7	35.5	55.0	98.0	30.3	39.4	0.00	0.12	61.1	54.1	57.6	57.8	54.8	56.5													
3	34.0	13.6	206.1		13.65	72.1	54.1	63.0	59.2	30.9	40.3	0.00	0.12	61.6	57.2	59.4	59.0	56.4	57.6													
4	31.1	13.4	207.5		10.23	71.2	58.6	64.0	77.1	45.2	51.8	0.00	0.09	63.7	59.4	61.5	60.5	58.0	59.0													
5	33.6	13.2	203.4		7.41	74.1	61.3	68.2	87.4	56.7	58.5	0.16	0.06	65.4	62.2	63.9	62.3	59.9	60.8													
6	35.2	6.7	270.6		13.77	67.3	40.4	55.8	98.2	45.6	47.3	0.29	0.11	65.4	60.4	63.7	62.6	60.4	61.5													
7	17.3	5.5	178.3		9.10	69.2	35.9	55.8	99.8	38.7	44.8	0.00	0.07	61.7	56.8	59.5	60.6	57.3	58.6													
8	24.6	9.6	217.3		10.48	78.7	64.3	71.4	87.7	58.1	62.2	0.00	0.09	66.7	60.5	63.9	62.6	58.8	60.4													
9	20.9	9.5	290.7		10.81	71.1	48.0	63.1	85.9	31.2	48.0	0.00	0.09	67.7	62.3	65.7	63.5	62.0	62.8													
10	12.0	3.0	329.2		14.27	56.5	31.9	42.6	91.8	28.8	28.0	0.00	0.09	62.3	57.1	59.5	62.1	58.0	59.4													
11	18.9	5.9	189.3		13.10	64.4	30.0	49.1	94.2	26.9	28.8	0.00	0.10	59.3	54.3	56.8	58.1	55.3	56.5													
12	33.9	12.2	185.6		11.86	71.3	40.9	59.2	68.8	24.4	32.7	0.00	0.10	59.8	54.7	57.4	57.8	54.9	56.3													
13	22.0	6.5	251.6		7.98	66.8	35.6	56.1	91.8	31.2	43.2	0.01	0.06	62.5	57.7	60.3	59.2	57.5	58.3													
14	23.1	5.3	86.1		3.73	53.3	34.2	46.9	99.1	53.1	40.5	1.24	0.03	57.7	55.5	56.7	58.1	55.7	56.3													
15	39.2	11.3	265.3		3.71	71.0	39.4	53.2	100.0E	61.0	48.9	6.11	0.03	61.8	55.6	58.1	58.0	54.8	56.1													
16	29.2	12.1	294.5		13.50	39.7	26.5	34.5	71.2	31.2	18.3	0.00	0.07	56.8	48.8	52.7	57.1	51.3	54.0													
17	14.1	4.1	330.5		13.25	35.3	19.6	25.9	90.1	36.5	13.8	0.00	0.06	49.0	45.3	47.1	51.4	47.8	48.9													
18	17.6	6.3	202.0		12.74	50.1	25.4	37.8	85.3	34.5	22.3	0.01	0.08	49.1	44.3	46.6	48.1	46.2	47.1													
19	28.3	9.7	205.4		11.77	53.5	38.1	45.1	62.4	31.2	27.0	0.01	0.08	49.5	45.5	47.5	48.3	46.5	47.5													
20	12.5	3.3	217.6		6.25	52.3	30.0	42.6	98.5	49.5	32.5	0.01	0.04	51.0	47.2	48.7	49.2	47.4	48.2													
21	21.2	5.0	313.4		8.45	53.2	26.3	40.5	100.0	48.2	32.0	0.00	0.05	49.7	45.5E	47.7	48.3	46.7E	47.7													
22	21.3	6.9	330.4		11.93	47.0	30.1	39.7	83.8	32.9	26.1	0.04	0.07	49.7	46.6	47.8	48.3	47.1	47.7													
23	27.2	9.9	242.9		8.27	64.6	38.9	50.9	58.3	26.0	29.1	0.02	0.06	50.6	46.5	48.2	48.8	46.7	47.7													
24	26.9	10.4	336.8		11.60	51.8	22.6	39.4	61.6	14.8	15.6	0.01	0.07	49.6	45.1	48.0	48.7	47.0	48.0													
25	19.0	4.6	166.4		12.10	37.3	15.4	27.7	78.7	21.0	5.2	0.00	0.06	45.8	41.9	43.9	47.2	44.1	45.1													
26	21.4	8.3	192.2		3.66	58.2	34.7	47.1	92.6	26.4	28.2	0.28	0.03	48.2	42.8	45.3	46.6	44.0	45.0													
27	37.5	13.3	149.5		2.10	63.9	52.0	57.2	92.5	77.5	53.1	0.55	0.02	54.4	48.1	51.3	51.2	46.5	48.6													
28	35.7	15.9	211.8		8.77	66.7	40.8	53.6	91.0	44.3	41.0	0.68	0.07	55.7	51.2	54.5	52.9	50.6	52.0													
29	28.8	10.1	261.6		3.28	40.9	28.6	35.4	69.8	44.0	20.1	0.00	0.02	51.4	45.2	47.8	51.5	46.7	48.7													
30	11.3	3.2	243.9		11.89	40.3	22.6	32.0	85.8	42.4	21.2	0.00	0.06	46.5	42.1	44.2	46.8	44.2	45.3													
TOT					299.81							9.44	2.11																			
AVG	8.3	229.6			9.99	59.1	36.6	48.7	85.2	38.6	34.7		0.07	56.5	51.7	54.2	54.8	52.1	53.3													
MAX	39.2					78.7			100.0E					67.7			63.5															
MIN						15.4				14.8				41.9				44.0														

Total Heating Degree Days : 523.3

Total Cooling Degree Days : 9.2

Total Hours of Wind > 8 mph : 359

Illinois Climate Network (ICN)  
 December 2005  
 Monthly Summary for Carbondale

DAY	MAX WIND SPEED MPH	AVG WIND SPEED MPH	DIR AVG WIND ø	TOTAL SOLAR RAD MJ/M*M	MAX AIR TEMP øF	MIN AIR TEMP øF	AVG AIR TEMP øF	MAX REL HUM %	MIN REL HUM %	AVG DEW POINT øF	TOTAL PRECIP IN	TOTAL EVAP IN	MAX 4"		MIN 4"		AVG 4"		MAX 8"		MIN 8"		AVG 8"	
													SOIL TEMP øF	SOIL TEMP øF	SOIL TEMP øF	SOIL TEMP øF	SOIL TEMP øF	SOIL TEMP øF	SOIL TEMP øF	SOIL TEMP øF				
1	30.5	8.9	296.3	3.09	39.0	23.4	33.3	75.5	57.4	22.3	0.00	0.02	44.5	41.3	43.7	45.2	43.3	44.4						
2	11.9	4.9	76.4	10.99	35.6	19.7	28.4	76.9	33.6	12.9	0.01	0.05	42.8	39.5	41.0	43.4	41.4	42.3						
3	21.6	5.7	74.2	1.08	39.4	31.0	36.1	96.5	52.0	29.3	0.00	0.01	42.9	40.5	41.7	42.6	41.4	41.9						
4	24.4	8.1	347.2	1.92	35.0	26.3	29.1	90.2	70.9	23.4	0.01	0.01	42.8	40.2	41.5	42.7	41.3	42.1						
5	18.4	5.1	352.6	9.78	28.3	16.5	22.8	87.3	51.6	14.7	0.00	0.04	40.7	38.3	39.4	41.4	39.9	40.5						
6	13.8	5.1	287.6	11.64	34.6	16.3	25.9	86.0	35.1	15.3	0.00	0.06	38.7	37.1	37.8	40.0	38.6	39.0						
7	14.4	6.0	39.8	10.86	28.4	14.5	21.4	88.6	35.8	9.0	0.00	0.05	37.5	36.3	36.7	38.8	37.5	37.9						
8	21.6	7.3	300.4	1.29	28.7	14.6	24.1	93.6	62.2	17.1	0.13	0.01	36.4	36.0	36.1	37.6	37.0	37.2						
9	17.6	3.5	287.1	11.73	25.6	1.6	14.4	87.6	40.8	4.6	0.00	0.04	36.5	36.2	36.3	37.3	37.0	37.2						
10	24.8	8.7	216.6	10.70	39.0	11.8	26.8	83.4	55.1	17.2	0.00	0.05	37.0	36.3	36.5	37.3	37.0	37.2						
11	26.9	7.2	266.2	4.44	45.5	35.6	40.3	92.4	53.4	30.7	0.00	0.03	40.1	36.9	38.5	39.3	37.1	37.9						
12	15.3	4.4	314.0	2.76	41.9	28.8	38.7	94.7	63.8	32.5	0.00	0.02	41.9	39.5	40.6	40.6	39.2	39.7						
13	17.9	4.9	150.2	4.96	43.9	29.9	37.9	95.1	51.1	30.7	0.00	0.03	42.8	40.0	41.4	41.4	39.9	40.5						
14	25.6	8.4	175.6	1.29	48.0	35.4	42.6	92.7	62.3	37.8	0.09	0.01	43.9	41.1	42.3	42.4	40.8	41.4						
15	25.1	7.6	285.8	9.72	48.6	32.6	41.5	89.3	32.6	26.8	0.00	0.06	45.0	42.1	43.5	43.3	42.0	42.6						
16	27.8	7.1	260.3	10.83	43.1	21.5	33.4	86.8	27.1	16.7	0.00	0.06	42.9	39.6	41.2	42.9	40.8	41.5						
17	12.5	2.4	74.3	10.34	42.6	18.5	31.3	90.8	32.9	19.4	0.00	0.06	40.9	37.7	39.2	40.9	39.0	39.7						
18	14.9	6.3	4.4	8.29	35.9	22.3	29.7	78.8	46.8	19.8	0.00	0.04	41.2	38.7	39.6	40.2	39.2	39.7						
19	13.7	4.1	345.5	10.75	28.5	13.0	20.3	88.4	41.8	9.7	0.00	0.05	38.8	36.6	37.6	39.7	37.8	38.5						
20	12.1	2.7	221.1	6.18	32.1	10.8	22.5	89.9	42.6	13.3	0.00	0.03	36.7	35.5	35.8	37.9	36.4	37.0						
21	11.1	3.0	217.1	6.39	40.4	17.5	29.1	94.2	60.5	23.4	0.00	0.03	35.6	35.1	35.4	36.5	35.9	36.1						
22	24.0	8.4	205.2	10.61	45.6	20.5	34.9	96.3	53.9	27.9	0.00	0.06	36.4	35.1	35.6	36.4	35.8	36.0						
23	27.7	12.9	208.5	10.36	56.1	36.7	46.0	79.9	44.2	33.6	0.00	0.07	41.6	36.3	38.8	39.8	36.3	37.6						
24	20.8	6.3	197.0	1.76	48.6	42.2	45.9	96.7	53.1	40.1	0.00	0.01	43.4	40.8	42.1	41.7	39.6	40.5						
25	21.3	9.6	323.0	0.80	44.3	35.9	38.1	96.2	80.2	35.1	0.01	0.00	43.1	41.6	42.4	41.8	41.1	41.5						
26	18.0	5.6	227.7	4.99	45.7	35.3	39.0	85.7	59.7	32.7	0.00	0.03	43.2	41.1	41.9	41.7	40.8	41.2						
27	29.6	12.9	191.2	3.31	64.6	40.6	51.8	86.1	69.4	44.4	0.01	0.02	47.1	41.1	43.3	43.8	40.7	41.7						
28	25.0	11.4	276.8	0.84	64.0	36.6	45.7	92.3	53.1	39.4	0.01	0.01	48.2	44.5	46.6	45.3	43.6	44.8						
29	19.0	6.1	321.7	1.34	37.2	34.9	36.0	86.2	73.9	30.6	0.03	0.01	44.6	42.7	43.5	44.2	42.5	43.2						
30	20.6	7.9	185.4	4.63	48.9	34.8	39.6	95.1	61.4	35.2	0.25	0.03	44.4	42.1	43.2	43.0	41.9	42.4						
31	18.9	6.0	247.8	10.41	53.0	32.4	41.0	93.4	41.0	31.8	0.00	0.07	45.0	40.8	42.8	43.1	41.3	42.3						
TOT				198.08							0.55	1.07												
AVG	6.7	6.7	258.7	6.39	41.7	25.5	33.8	89.2	51.6	25.1		0.03	41.5	39.0	40.2	41.0	39.6	40.2					40.2	
MAX	30.5				64.6			96.7					48.2			45.3								
MIN						1.6			27.1					35.1										35.8

Total Heating Degree Days : 973.1  
 Total Cooling Degree Days : 0.0  
 Total Hours of Wind > 8 mph : 243

Illinois Climate Network (ICN)  
 January 2006  
 Monthly Summary for Carbondale

DAY	MAX WIND SPEED		AVG WIND		DIR WIND		TOTAL SOLAR RAD		MAX AIR TEMP		MIN AIR TEMP		AVG AIR TEMP		TOTAL PRECIP IN		TOTAL EVAP IN		MAX 4" SOIL TEMP		MIN 4" SOIL TEMP		AVG 4" SOIL TEMP		MAX 8" SOIL TEMP		MIN 8" SOIL TEMP		AVG 8" SOIL TEMP	
	MPH	ØF	MPH	ØF	ØF	ØF	ØF	MJ/M*M	ØF	ØF	ØF	ØF	ØF	ØF	ØF	ØF	ØF	ØF	ØF	ØF	ØF	ØF	ØF	ØF	ØF	ØF	ØF	ØF	ØF	ØF
1	28.8	10.5	170.1	31.6	52.9	92.2	56.7	3.77	65.7	31.6	52.9	92.2	56.7	44.2	0.00	0.03	49.0	41.3	44.1	45.1	41.4	42.6								
2	30.0	12.7	252.5	42.2	56.8	91.1	41.8	6.49	67.8	42.2	56.8	91.1	41.8	47.7	0.00	0.05	52.6	48.9	51.1	48.9	45.0	47.7								
3	21.9	7.8	245.4	41.3	44.2	89.2	74.1	2.99	47.6	41.3	44.2	89.2	74.1	39.2	0.01	0.02	49.7	47.7	48.6	48.3	46.7	47.1								
4	25.6	7.5	290.9	31.1	44.8	92.3	56.7	6.02	53.7	31.1	44.8	92.3	56.7	37.4	0.00	0.04	48.3	45.8	47.1	47.0	45.6	46.2								
5	18.3	7.4	342.7	31.0	34.7	94.9	78.4	1.14	37.7	31.0	34.7	94.9	78.4	30.9	0.00	0.01	45.9	42.9	44.1	46.0	43.3	44.2								
6	16.4	6.4	313.6	25.6	32.2	91.1	59.9	3.57	35.2	25.6	32.2	91.1	59.9	25.2	0.00	0.02	42.9	41.1	42.1	43.3	41.8	42.4								
7	19.2	8.7	207.8	30.5	40.5	76.0	46.0	10.22	49.0	30.5	40.5	76.0	46.0	27.0	0.00	0.06	43.7	39.9	41.7	42.4	40.7	41.5								
8	35.3	16.6	206.1	44.0	55.9	60.3	28.1	7.88	64.1	44.0	55.9	60.3	28.1	32.5	0.00	0.07	46.9	42.1	44.4	44.7	41.6	42.8								
9	19.6	6.7	5.9	33.2	42.8	86.2	38.6	10.08	56.4	33.2	42.8	86.2	38.6	32.5	0.00	0.06	47.2	44.0	45.7	45.0	43.8	44.4								
10	22.6	8.4	122.8	37.2	41.4	98.4	75.3	0.90	50.5	37.2	41.4	98.4	75.3	38.8	1.41	0.01	45.6	43.6	44.6	44.8	43.4	43.9								
11	22.7	9.4	215.1	36.6	43.3	92.8	46.8	11.23	51.0	36.6	43.3	92.8	46.8	33.8	0.00	0.07	47.0	43.6	45.1	44.9	43.4	44.1								
12	36.2	12.4	189.2	37.1	50.9	89.6	51.3	10.36	61.3	37.1	50.9	89.6	51.3	42.3	0.00	0.08	49.1	42.9	45.7	46.1	43.0	44.2								
13	30.3	12.3	295.9	31.7	40.1	98.5	64.9	1.38	57.5	31.7	40.1	98.5	64.9	36.1	0.26	0.01	49.4	43.1	46.9	47.0	43.9	46.0								
14	29.5	7.5	331.4	25.4	32.0	93.4	46.9	12.11	41.1	25.4	32.0	93.4	46.9	23.0	0.00	0.06	43.9	40.5	42.1	44.2	41.6	42.4								
15	29.3	9.7	176.9	24.9	38.3	94.2	39.9	5.91	46.9	24.9	38.3	94.2	39.9	25.5	0.00	0.04	41.7	39.2	40.5	42.1	40.1	40.8								
16	24.2	9.2	198.8	41.4	52.2	96.4	55.4	9.42	59.6	41.4	52.2	96.4	55.4	44.2	0.04	0.07	48.1	41.0	44.1	44.9	40.8	42.1								
17	26.3	9.7	316.3	28.0	34.2	95.5	55.6	1.42	56.7	28.0	34.2	95.5	55.6	28.0	0.22	0.01	48.3	41.3	44.6	45.5	42.2	44.2								
18	24.3	9.4	218.9	26.3	38.3	68.3	35.2	11.58	49.2	26.3	38.3	68.3	35.2	22.8	0.00	0.07	42.8	38.9	41.0	42.3	40.1	41.2								
19	42.2	18.1	201.1	45.5	54.5	72.6	55.4	8.38	60.5	45.5	54.5	72.6	55.4	43.2	0.00	0.07	48.0	41.8	44.8	45.4	41.3	42.6								
20	33.8	13.2	201.6	50.5	58.3	89.4	65.5	4.92	62.0	50.5	58.3	89.4	65.5	49.5	0.08	0.04	51.4	47.9	49.5	48.3	45.0	46.4								
21	28.0	7.3	345.9	28.6	37.6	95.0	62.3	4.65	51.4	28.6	37.6	95.0	62.3	31.6	0.02	0.03	51.4	44.4	47.8	48.4	45.2	46.9								
22	13.0	3.2	5.5	28.4	34.0	97.0	87.4	0.99	37.5	28.4	34.0	97.0	87.4	32.5	0.74	0.01	44.6	42.4	43.0	45.3	42.5	43.3								
23	15.0	4.8	344.2	24.7	33.3	95.9	68.1	10.17	39.2	24.7	33.3	95.9	68.1	29.7	0.01	0.05	45.4	41.6	43.2	43.3	41.9	42.6								
24	33.0	12.0	277.1	25.1	45.0	96.3	16.7	13.08	61.6	25.1	45.0	96.3	16.7	23.9	0.00	0.10	45.0	39.6	42.1	43.0	40.5	41.7								
25	16.1	5.5	316.9	23.6	34.7	87.5	32.1	13.55	44.0	23.6	34.7	87.5	32.1	18.0	0.00	0.08	44.0	39.6	41.7	42.7	40.6	41.5								
26	10.4	2.7	134.7	21.0	34.7	93.5	23.9	13.67	53.0	21.0	34.7	93.5	23.9	21.2	0.00	0.08	43.7	38.3	40.6	41.6	39.4	40.6								
27	25.7	7.5	184.3	31.5	45.0	84.1	27.5	9.96	56.7	31.5	45.0	84.1	27.5	25.5	0.00	0.07	44.3	39.7	41.7	42.2	40.0	41.0								
28	32.4	12.8	175.5	47.9	53.8	91.6	42.3	4.87	61.1	47.9	53.8	91.6	42.3	42.1	0.65	0.04	48.8	42.8	45.3	45.3	41.9	43.0								
29	29.6	10.5	234.9	41.6	54.0	92.4	37.9	10.40	59.3	41.6	54.0	92.4	37.9	41.4	0.16	0.08	51.5	48.0	49.6	47.8	45.2	46.8								
30	21.8	6.8	313.5	30.6	42.1	88.0	46.3	11.95	50.4	30.6	42.1	88.0	46.3	30.6	0.00	0.08	48.7	44.6	46.8	47.3	45.0	45.9								
31	13.4	4.4	206.8	25.2	39.2	95.1	36.9	14.36	52.3	25.2	39.2	95.1	36.9	28.8	0.00	0.09	47.1	41.1	44.1	45.2	42.3	43.7								
TOT								237.42							3.60	1.60														
AVG		9.1	233.0	33.0	43.3	89.6	50.1	7.66	52.9	33.0	43.3	89.6	50.1	33.2		0.05	47.0	42.6	44.6	45.1	42.6	43.7								
MAX		42.2				98.5	16.7		67.8			98.5	16.7				52.6			48.9										
MIN				21.0						21.0								38.3				39.4								

Total Heating Degree Days : 683.4

Total Cooling Degree Days : 0.0

Total Hours of Wind > 8 mph : 418

Illinois Climate Network (ICN)  
February 2006  
Monthly Summary for Carbondale

DAY	MAX WIND SPEED MPH	AVG WIND SPEED MPH	DIR AVG WIND ø	TOTAL SOLAR RAD MJ/M*M	MAX AIR TEMP øF	MIN AIR TEMP øF	AVG AIR TEMP øF	MAX REL HUM %	MIN REL HUM %	AVG DEW POINT øF	TOTAL PRECIP IN	TOTAL EVAP IN	MAX 4"		MIN 4"		AVG 4"		MAX 8"		MIN 8"		AVG 8"	
													SOIL TEMP øF	SOIL TEMP øF	SOIL TEMP øF	SOIL TEMP øF	SOIL TEMP øF	SOIL TEMP øF	SOIL TEMP øF	SOIL TEMP øF				
1	23.4	8.2	199.3	12.06	61.4	38.9	48.9	92.9	39.5	34.5	0.00	0.09	48.4	42.8	45.3	42.7	45.4	42.7	45.4	42.7	43.9	43.9		
2	14.7	3.7	115.5	1.18	51.7	42.7	46.9	97.7	77.3	45.0	1.13	0.01	48.0	46.3	47.1	45.0	46.0	45.0	46.0	45.0	45.3	45.3		
3	30.2	5.6	287.8	9.54	58.0	36.9	46.9	98.3	37.2	40.1	0.16	0.07	51.8	47.1	48.9	45.7	48.0	45.7	48.0	45.7	46.6	46.6		
4	23.3	10.7	318.4	3.64	37.0	25.7	29.8	75.0	56.8	20.1	0.00	0.02	48.4	40.7	43.9	42.1	47.6	42.1	47.6	42.1	44.6	44.6		
5	18.3	5.5	287.9	15.34	39.9	20.9	28.4	83.3	34.5	16.3	0.00	0.08	42.2	38.4	40.1	39.8	42.2	39.8	42.2	39.8	40.8	40.8		
6	16.4	3.2	324.1	15.90	41.8	20.0	29.8	90.6	30.3	19.0	0.00	0.08	42.9	38.0	39.9	39.0	40.9	39.0	40.9	39.0	40.1	40.1		
7	14.3	3.6	284.0	10.80	42.1	19.0	31.6	84.8	24.7	15.3	0.00	0.06	40.4	37.3	39.0	38.5	40.4	38.5	40.4	38.5	39.4	39.4		
8	16.5	3.9	333.7	2.70	34.8	24.2	30.4	95.8	59.7	25.9	0.12	0.01	39.4	37.8	38.3	38.2	39.6	38.2	39.6	38.2	38.7	38.7		
9	16.5	3.6	188.7	14.85	35.6	13.2	26.8	93.6	36.0	16.9	0.00	0.07	39.0	36.8	37.8	37.4	38.4	37.4	38.4	37.4	37.9	37.9		
10	16.0	4.3	231.7	4.14	38.5	23.7	32.4	95.9	56.3	23.7	0.00	0.02	38.3	36.6	37.2	37.2	38.1	37.2	38.1	37.2	37.4	37.4		
11	22.0	7.6	306.4	4.47	36.4	23.2	30.0	96.4	61.7	23.9	0.00	0.02	37.1	36.1	36.5	36.6	37.5	36.6	37.5	36.6	36.9	36.9		
12	17.7	6.7	294.9	6.56	31.5	22.0	26.4	92.1	51.8	18.7	0.00	0.03	36.6	35.6	36.0	36.0	36.8	36.0	36.8	36.0	36.3	36.3		
13	30.0	10.3	226.5	16.20	40.3	18.3	30.7	86.0	42.1	19.0	0.00	0.08	37.0	35.3	36.0	35.6	36.4	35.6	36.4	35.6	36.0	36.0		
14	27.0	10.9	202.6	16.44	58.7	34.0	45.7	63.8	24.0	25.2	0.00	0.12	42.2	35.8	38.5	35.9	39.5	35.9	39.5	35.9	37.0	37.0		
15	22.9	11.2	188.1	6.76	62.9	43.0	53.6	77.5	44.7	41.4	0.00	0.05	46.3	39.8	42.6	38.9	42.6	38.9	42.6	38.9	40.1	40.1		
16	42.0	16.8	213.2	2.87	68.4	29.6	57.9	93.4	61.0	49.5	0.47	0.03	51.6	46.1	48.7	42.5	47.3	42.5	47.3	42.5	44.8	44.8		
17	29.1	9.7	355.8	9.76	32.2	25.8	28.8	74.9	56.1	18.3	0.00	0.05	48.4	40.8	43.7	41.6	47.0	41.6	47.0	41.6	43.5	43.5		
18	21.1	8.8	1.1	11.75	25.9	7.8	12.9	86.9	40.0	1.2	0.03	0.04	40.9	37.9	39.0	38.6	41.8	38.6	41.8	38.6	39.7	39.7		
19	10.1	2.3	8.4	10.83	20.0	2.5	13.6	84.3	34.5	0.9	0.01	0.04	38.1	36.8	37.2	37.4	38.7	37.4	38.7	37.4	37.8	37.8		
20	11.1	4.1	206.7	6.81	29.8	18.6	23.9	78.0	57.8	15.3	0.00	0.03	37.8	36.6	37.0	36.9	37.5	36.9	37.5	36.9	37.2	37.2		
21	12.8	4.7	195.8	15.76	45.1	21.0	33.1	91.5	46.2	23.5	0.00	0.09	41.3	35.9	38.3	36.4	39.0	36.4	39.0	36.4	37.4	37.4		
22	15.5	3.6	247.7	9.01	47.5	29.9	38.8	96.8	47.6	32.5	0.00	0.05	43.6	38.5	41.0	38.4	40.8	38.4	40.8	38.4	39.4	39.4		
23	22.6	4.6	282.3	17.10	61.2	25.8	43.5	96.5	13.4	23.4	0.00	0.12	45.3	38.2	41.7	38.8	41.9	38.8	41.9	38.8	40.3	40.3		
24	23.5	7.1	185.7	17.27	61.2	25.0	46.4	91.5	23.5	27.1	0.00	0.12	46.1	39.2	42.8	39.6	42.7	39.6	42.7	39.6	41.0	41.0		
25	23.0	9.2	359.0	9.29	52.7	31.3	43.0	74.1	32.8	24.1	0.00	0.06	45.3	41.7	43.9	41.9	42.9	41.9	42.9	41.9	42.4	42.4		
26	13.1	4.1	146.2	18.94	45.7	19.3	33.3	81.9	10.0	8.6	0.00	0.10	45.1	38.5	41.5	39.4	42.1	39.4	42.1	39.4	40.8	40.8		
27	23.6	10.2	213.9	16.94	59.1	33.2	47.5	54.2	33.3	25.0	0.00	0.12	46.1	39.4	42.6	39.6	43.1	39.6	43.1	39.6	41.2	41.2		
28	17.7	7.4	214.7	15.45	68.3	44.2	58.3	80.4	40.3	43.5	0.00	0.12	51.0	44.0	47.5	42.8	46.8	42.8	46.8	42.8	44.2	44.2		
TOT				302.36							1.92	1.78												
AVG		6.8	246.5	10.80	46.0	25.7	36.4	86.0	41.9	24.2		0.06	43.5	39.2	41.1	39.4	41.8	39.4	41.8	39.4	40.4	40.4		
MAX		42.0			68.4			98.3					51.8				48.0							
MIN						2.5			10.0					35.3										

Total Heating Degree Days : 816.1

Total Cooling Degree Days : 0.0

Total Hours of Wind > 8 mph : 258

Illinois Climate Network (ICN)  
 March 2006  
 Monthly Summary for Carbondale

DAY	MAX WIND SPEED		AVG WIND		DIR WIND		TOTAL SOLAR RAD		MAX AIR TEMP		MIN AIR TEMP		AVG AIR TEMP		REL HUM		MIN REL HUM		AVG DEW POINT		TOTAL PRECIP		TOTAL EVAP		MAX 4" SOIL TEMP		MIN 4" SOIL TEMP		AVG 4" SOIL TEMP		MAX 8" SOIL TEMP		MIN 8" SOIL TEMP		AVG 8" SOIL TEMP	
	MPH	Ø	MPH	Ø	Ø	Ø	MJ/M*Ø	ØF	ØF	ØF	ØF	ØF	ØF	%	%	ØF	ØF	ØF	ØF	ØF	ØF	ØF	ØF	ØF	ØF	ØF	ØF	ØF	ØF	ØF	ØF	ØF	ØF	ØF	ØF	
1	26.9	9.5	205.9		73.9	56.3	64.9	88.1	53.6	55.4	0.00	0.12	55.6	49.5	52.5	50.7	46.6	48.2																		
2	29.1	11.4	325.2		66.0	34.7	53.4	80.9	22.8	34.0	0.00	0.14	55.9	50.8	53.8	51.3	49.9	50.5																		
3	18.3	5.0	353.2		48.4	27.2	37.4	88.7	34.1	25.0	0.00	0.11	52.1	47.1	49.3	50.3	46.9	48.2																		
4	10.1	2.3	27.2		44.7	22.7	36.1	95.0	41.5	24.8	0.00	0.06	47.8	43.8	46.2	47.8	44.6	45.7																		
5	17.9	4.3	159.0		49.5	32.4	42.3	96.5	43.7	32.9	0.04	0.02	47.0	44.9	46.0	45.8	44.5	45.1																		
6	26.5	8.5	344.6		18.19	34.3	45.7	91.3	36.0	35.2	0.01	0.13	51.8	45.2	48.0	47.6	44.5	45.7																		
7	17.2	7.2	120.6		16.41	33.0	43.9	76.3	38.3	29.8	0.00	0.11	50.8	45.1	47.7	47.2	44.7	46.0																		
8	33.9	12.1	198.5		4.68	43.4	57.4	97.2	46.5	46.2	1.72	0.04	54.0	47.3	49.6	49.5	46.0	47.1																		
9	33.6	10.8	194.4		1.34	52.1	56.7	97.6	68.7	53.6	4.01	0.01	54.8	53.4	54.1	51.4	49.4	50.5																		
10	29.6	6.5	216.2		18.57	47.0	53.8	85.0	45.0	42.6	0.00	0.14	58.4	51.1	54.5	52.9	49.6	51.1																		
11	23.8	7.4	176.6		8.80	51.2	65.5	97.9	63.4	58.8	0.23	0.08	60.9	54.0	57.0	55.5	51.5	52.9																		
12	29.4	10.3	184.3		9.01	60.3	69.1	98.3	62.3	63.1	1.22	0.08	64.4	59.9	61.9	58.7	55.4	56.7																		
13	39.3	14.6	260.2		16.90	41.3	61.7	90.2	20.3	45.0	0.10	0.14	65.0	57.4	62.8	59.6	57.3	58.6																		
14	21.9	7.6	308.5		21.92	32.4	41.5	87.9	25.4	25.0	0.00	0.14	57.8	51.7	54.9	57.4	52.1	53.8																		
15	11.6	3.7	119.8		21.12	32.4	49.3	89.2	27.7	29.3	0.00	0.15	58.3	49.0	53.6	53.4	49.5	51.4																		
16	28.0	10.8	241.8		19.86	48.5	58.8	64.9	15.3	33.3	0.00	0.17	59.7	53.0	55.9	54.6	51.5	52.9																		
17	22.2	7.5	345.2		3.45	29.9	39.4	96.0	60.1	33.1	0.00	0.02	55.8	49.0	52.3	54.0	49.5	51.6																		
18	16.3	5.9	51.3		18.82	29.6	39.6	97.3	29.4	23.2	0.00	0.11	53.2	46.7	49.6	49.7	47.1	48.6																		
19	18.1	8.4	76.8		8.05	37.8	41.9	58.8	26.7	19.2	0.00	0.05	49.7	47.5	48.7	49.2	47.2	47.8																		
20	27.1	12.0	87.1		2.31	35.5	39.9	96.2	38.8	32.4	0.59	0.01	48.3	46.0	46.9	47.6	45.7	46.6																		
21	21.0	8.5	16.3		2.43	29.1	33.6	96.6	68.7	30.0	0.10	0.01	46.2	42.9	45.1	45.8	43.7	45.0																		
22	21.1	4.7	5.7		23.09	23.0	33.4	94.3	37.2	23.0	0.00	0.13	49.5	40.5	44.6	45.5	41.7	43.5																		
23	15.0	3.4	302.2		8.18	27.1	36.3	91.3	40.3	26.8	0.00	0.05	47.0	43.0	44.8	45.1	43.0	43.9																		
24	17.2	5.8	306.5		5.94	26.7	37.2	90.7	51.0	27.3	0.00	0.04	45.4	42.6	44.6	44.4	43.1	43.7																		
25	18.1	4.6	326.9		14.03	26.2	37.9	93.1	33.1	26.6	0.00	0.08	47.6	41.0	44.1	44.4	41.5	42.8																		
26	11.9	3.1	93.2		23.17	24.9	40.6	95.8	31.2	25.9	0.00	0.15	52.0	41.4	46.6	46.9	42.1	44.2																		
27	23.7	9.6	173.6		5.25	37.7	47.1	92.1	36.7	35.2	0.00	0.04	48.0	45.0	46.8	46.5	44.4	45.1																		
28	16.3	5.9	295.1		4.63	41.8	46.9	86.1	65.4	39.2	0.00	0.03	48.7	46.1	47.7	46.3	45.1	45.7																		
29	12.5	3.1	109.8		22.81	31.5	48.2	97.1	42.7	38.7	0.00	0.16	55.9	45.3	50.4	49.9	44.9	47.1																		
30	29.8	9.7	177.1		16.53	36.1	61.5	97.0	44.5	47.7	0.00	0.14	57.3	48.8	53.1	52.1	47.6	49.5																		
31	32.3	10.5	213.5		18.13	57.5	67.6	93.6	45.1	57.0	0.65	0.16	63.8	56.2	59.7	56.9	51.9	54.1																		
TOT					397.58						8.67	2.82																								
AVG		7.6	222.7		12.83	36.9	48.0	90.4	41.8	36.1		0.09	53.6	47.9	50.7	50.3	47.2	48.5																		
MAX	39.3				77.6			98.3					65.0			59.6																				
MIN					22.7				15.3				40.5				41.5																			

Total Heating Degree Days : 561.1

Total Cooling Degree Days : 6.5

Total Hours of Wind > 8 mph : 336

Illinois Climate Network (ICN)  
 April 2006  
 Monthly Summary for Carbondale

DAY	MAX WIND SPEED		AVG WIND SPEED		DIR		TOTAL SOLAR RAD		MAX AIR TEMP		MIN AIR TEMP		AVG AIR TEMP		REL HUM %		MIN REL HUM %		AVG DEW POINT		TOTAL PRECIP IN		TOTAL EVAP IN		MAX 4" SOIL TEMP		MIN 4" SOIL TEMP		AVG 4" SOIL TEMP		MAX 8" SOIL TEMP		MIN 8" SOIL TEMP		AVG 8" SOIL TEMP	
	MPH	ØF	MPH	ØF	Ø	ØF	MJ/M*H	ØF	ØF	ØF	ØF	ØF	ØF	%	%	ØF	ØF	ØF	ØF	ØF	ØF	ØF	ØF	ØF	ØF	ØF	ØF	ØF	ØF	ØF	ØF	ØF	ØF	ØF	ØF	
1	13.8	4.4	340.9	23.65	71.4	49.0	60.1	81.0	40.6	46.2	0.00	0.19	65.2	56.2	60.4	58.2	54.1	55.9																		
2	39.9	8.5	190.7	10.44	74.6	52.8	61.7	94.7	40.8	55.2	0.09	0.09	63.1	58.0	60.4	57.8	55.4	56.7																		
3	34.9	10.4	304.8	8.65	66.3	40.5	53.6	84.6	32.3	39.6	0.00	0.07	60.1	54.7	57.6	57.5	54.0	55.4																		
4	16.0	3.9	295.7	25.73	62.4	34.9	48.2	90.3	20.6	31.8	0.00	0.19	60.5	50.8	55.6	55.0	50.9	53.1																		
5	18.0	4.3	176.9	24.57	71.7	34.8	57.4	94.6	19.4	35.8	0.00	0.20	62.3	52.3	57.4	56.1	51.7	53.8																		
6	23.6	8.8	180.2	6.51	72.6	53.3	63.9	91.4	49.1	54.7	0.36	0.05	60.4	57.5	59.2	56.5	54.8	55.6																		
7	30.2	9.3	215.0	18.67	81.4	50.7	66.2	97.2	32.4	58.3	0.23	0.17	66.8	59.5	62.8	60.0	56.3	57.7																		
8	23.5	9.7	5.9	18.87	52.4	34.9	45.5	93.3	42.2	35.4	0.00	0.13	62.9	56.8	59.7	59.6	56.1	57.4																		
9	12.6	3.1	89.2	26.10	60.9	30.5	47.3	97.1	27.0	32.4	0.00	0.18	62.2	52.6	57.4	56.6	52.5	54.7																		
10	19.0	4.8	173.5	26.24	70.6	34.4	54.3	94.9	20.5	35.6	0.00	0.21	62.9	54.0	58.5	56.9	53.2	55.2																		
11	37.1	12.1	196.2	22.16	77.5	44.1	66.9	85.1	33.1	45.9	0.00	0.20	63.2	55.9	59.7	58.0	54.2	55.9																		
12	25.1	8.6	220.2	23.24	82.0	61.8	72.7	87.1	35.1	54.9	0.00	0.21	68.8	60.5	64.4	61.7	57.3	59.0																		
13	23.8	6.6	195.6	25.03	84.3	52.3	72.3	98.5	26.4	56.5	0.00	0.23	70.7	62.3	66.6	63.7	59.6	61.5																		
14	26.6	11.7	214.9	23.74	84.9	65.3	76.1	82.3	38.4	58.5	0.00	0.22	72.0	65.9	68.7	65.3	62.1	63.5																		
15	25.4	8.0	200.6	10.58	77.0	67.0	72.1	82.2	46.1	58.6	0.00	0.09	69.5	66.8	68.4	64.9	63.2	64.0																		
16	31.8	12.9	209.9	23.58	83.3	68.2	75.2	74.4	45.9	60.1	0.00	0.21	72.2	66.8	69.3	65.9	63.1	64.4																		
17	16.6	5.8	345.2	11.84	68.1	54.1	63.0	91.9	65.5	55.2	0.00	0.10	69.8	66.7	68.2	65.8	63.6	64.4																		
18	18.2	6.9	111.2	24.22	83.6	54.5E	69.8	93.0E	45.7	57.7	0.00	0.21	72.5	64.6E	68.5	65.9	62.1E	63.7																		
19	25.8	4.3	353.7	25.33	78.7	61.1	69.6	91.5	47.5	57.4	0.00	0.22	75.3	67.7	71.2	67.9	64.3	65.8																		
20	9.6	2.6	277.9	10.99	72.4	55.9	64.4	98.2	51.2	54.9	0.00	0.09	71.5	68.3	70.0	67.3	65.1	65.8																		
21	14.9	2.6	335.5	14.84	73.7	49.8	59.9	99.3	30.2	49.1	0.00	0.12	70.6	65.9	67.8	65.5	63.1	64.2																		
22	22.5	5.5	258.7	22.65	82.5	48.9	64.9	97.4	23.7	52.5	0.37	0.20	71.2	63.8	67.5	65.1	61.7	63.5																		
23	18.7	3.6	131.5	10.00	68.5	54.4	61.9	98.2	52.6	58.5	0.16	0.08	69.6	65.8	67.6	64.6	62.8	63.7																		
24	12.4	3.0	232.1	17.32	75.8	60.9	67.5	98.4	59.3	62.2	0.00	0.15	73.7	66.7	69.8	66.8	63.2	64.6																		
25	18.1	6.3	349.9	10.14	72.7	49.8	61.3	98.6	68.8	57.2	0.11	0.08	71.5	67.2	69.8	66.6	64.7	65.7																		
26	17.6	5.4	349.8	15.14	61.5	40.5	50.5	96.5	27.8	42.3	0.00	0.11	68.0	63.8	65.8	64.8	61.8	62.8																		
27	11.7	2.3	283.4	28.45	69.4	35.7	53.4	98.9	20.9	39.6	0.00	0.22	69.1	59.7	64.2	63.0	58.7	61.0																		
28	18.2	4.0	123.1	18.10	70.9	42.2	59.0	97.9	28.2	45.7	0.00	0.15	67.2	61.5	64.6	62.6	59.7	61.2																		
29	35.3	11.1	142.8	7.07	68.8	55.7	61.7	96.4	56.4	53.2	0.09	0.06	65.8	63.8	64.8	62.0	60.7	61.3																		
30	27.5	9.9	159.7	13.20	69.2	54.4	60.3	95.8	67.8	56.1	0.97	0.11	68.4	63.2	65.1	62.5	60.2	61.2																		
TOT				547.05							2.38	4.54																								
AVG		6.7	208.5	18.24	73.0	49.7	62.0	92.7	39.8	50.0		0.15	67.6	61.3	64.4	62.1	59.0	60.4																		
MAX		39.9			84.9			99.3					75.3			67.9																				
MIN						30.5			19.4																											

Total Heating Degree Days : 161.5

Total Cooling Degree Days : 52.1

Total Hours of Wind > 8 mph : 250

Illinois Climate Network (ICN)  
 May 2006  
 Monthly Summary for Carbondale

DAY	MAX WIND SPEED MPH	AVG WIND SPEED MPH	DIR AVG WIND Ø	TOTAL SOLAR RAD MJ/M*M	MAX AIR TEMP øF	MIN AIR TEMP øF	AVG AIR TEMP øF	MAX REL HUM %	MIN REL HUM %	AVG DEW POINT øF	TOTAL PRECIP IN	TOTAL EVAP IN	MAX 4" SOIL TEMP øF		MIN 4" SOIL TEMP øF		AVG 4" SOIL TEMP øF		MAX 8" SOIL TEMP øF		MIN 8" SOIL TEMP øF		AVG 8" SOIL TEMP øF	
													TEMP	øF	TEMP	øF	TEMP	øF	TEMP	øF	TEMP	øF	TEMP	øF
1	19.4	8.0	175.4	14.65	72.3	67.1	64.0	84.2	63.1	58.8	0.00	0.12	68.5	65.6	63.1	60.6	65.7	63.1	60.6	61.3	61.3	61.3		
2	14.5	3.2	336.3	27.02	75.3	52.0	64.8	97.8	38.4	55.8	0.02	0.23	74.6	65.5	66.8	62.2	69.4	66.8	62.2	64.0	64.0	64.0		
3	18.7	4.5	175.5	15.95	79.3	47.5	63.9	99.2	59.6	58.1	0.00	0.14	71.6	65.4	66.1	62.9	68.5	66.1	62.9	64.4	64.4	64.4		
4	13.9	4.7	325.0	11.93	70.2	56.8	63.9	98.4	56.3	57.7	0.02	0.10	70.7	66.9	65.3	63.6	68.7	65.3	63.6	64.4	64.4	64.4		
5	17.7	4.7	331.4	24.40	66.7	50.0	59.4	97.7	46.7	50.4	0.04	0.19	71.7	66.2	65.7	63.2	68.7	65.7	63.2	64.4	64.4	64.4		
6	14.6	3.1	358.7	21.34	64.9	45.5	56.1	96.4	45.2	47.3	0.00	0.16	71.0	64.3	65.0	62.0	67.6	65.0	62.0	63.7	63.7	63.7		
7	14.9	2.9	72.7	23.12	70.2	50.6	59.7	97.6	43.1	51.6	0.02	0.18	73.4	66.1	66.6	63.0	69.4	66.6	63.0	64.6	64.6	64.6		
8	15.2	4.0	165.4	19.48	69.5	46.5	59.9	99.1	47.1	51.6	0.00	0.16	70.4	65.3	66.0	63.0	68.0	66.0	63.0	64.2	64.2	64.2		
9	21.4	4.9	163.7	14.04	73.6	51.8	64.2	97.8	72.4	60.1	0.11	0.12	70.6	65.2	65.2	62.6	67.8	65.2	62.6	63.9	63.9	63.9		
10	23.4	5.4	334.1	4.47	67.0	55.6	62.2	99.6	84.7	61.0	2.84	0.04	69.5	67.3	65.1	64.1	68.5	65.1	64.1	64.6	64.6	64.6		
11	32.7	11.9	278.3	19.54	63.5	51.2	55.6	95.6	43.3	48.0	0.23	0.15	67.4	64.1	64.5	62.0	65.8	64.5	62.0	63.0	63.0	63.0		
12	26.6	9.4	269.9	28.81	68.3	47.3	56.8	86.4	27.7	41.2	0.00	0.23	67.6	61.1	62.2	59.4	64.2	62.2	59.4	61.0	61.0	61.0		
13	24.3	6.8	294.3	18.46	65.9	44.2	55.8	97.4	36.5	43.3	0.00	0.14	65.8	61.6	61.8	59.5	63.7	61.8	59.5	60.6	60.6	60.6		
14	19.7	6.4	305.8	14.79	56.8	47.5	52.3	97.4	54.3	44.2	0.00	0.10	64.0	61.3	60.8	59.0	62.6	60.8	59.0	59.7	59.7	59.7		
15	16.4	5.7	301.1	8.24	60.3	49.9	54.1	97.1	78.0	51.4	0.05	0.06	63.5	61.3	62.2	59.8	62.2	59.8	58.7	59.2	59.2	59.2		
16	25.1	4.8	293.9	15.96	67.0	49.9	57.2	97.0	59.5	53.2	0.09	0.12	66.1	60.5	61.1	58.3	63.3	61.1	58.3	59.5	59.5	59.5		
17	20.6	6.4	280.3	27.90	75.6	50.7	64.0	99.0	37.2	52.3	0.00	0.23	70.4	61.7	63.8	59.4	65.8	63.8	59.4	61.2	61.2	61.2		
18	26.8	6.6	300.6	25.34	73.2	47.7	62.6	94.0	20.8	45.1	0.00	0.22	69.9	64.7	64.0	61.6	67.1	64.0	61.6	63.0	63.0	63.0		
19	18.1	4.2	209.9	23.79	81.3	47.9	66.9	95.1	41.1	55.0	0.00	0.21	71.2	64.0	65.0	61.2	67.3	65.0	61.2	62.8	62.8	62.8		
20	18.7	5.2	70.7	18.91	71.9	54.3	63.5	98.2	48.7	55.4	0.00	0.15	72.5	66.9	66.2	63.6	69.6	66.2	63.6	64.9	64.9	64.9		
21	13.0	2.7	79.2	16.97	76.1	54.2	65.7	99.2	48.5	57.7	0.00	0.14	72.5	66.7	66.5	63.7	69.4	66.5	63.7	64.9	64.9	64.9		
22	17.5	5.7	81.7	28.35	73.8	51.2	63.3	94.8	32.5	47.3	0.00	0.24	75.7	68.1	68.4	64.7	71.4	68.4	64.7	66.4	66.4	66.4		
23	11.8	3.1	95.6	29.94	78.5	47.3	63.7	98.5	33.3	51.1	0.00	0.25	76.2	67.1	68.8	64.5	71.4	68.8	64.5	66.6	66.6	66.6		
24	28.4	6.3	207.9	25.97	87.7	55.9	74.1	97.1	47.1	63.5	0.17	0.24	76.4	69.6	69.8	66.3	72.9	69.8	66.3	67.8	67.8	67.8		
25	10.6E	6.0E	235.3E	28.59E	88.8E	65.7E	76.5E	93.2E	39.0E	64.2E	99.99M	0.27E	80.2E	72.1E	69.1E	65.7E	65.1E	69.1E	65.7E	70.3E	70.3E	70.3E		
26	7.6E	3.4E	256.4E	29.55E	86.6E	63.9E	74.8E	88.0E	46.0E	63.5E	99.99M	0.27E	81.5E	72.4E	71.0E	67.4E	66.2E	71.0E	67.4E	71.6E	71.6E	71.6E		
27	5.7E	2.9E	171.1E	26.42E	88.8E	65.4E	77.7E	94.0E	52.0E	67.6E	99.99M	0.24E	83.0E	74.2E	72.4E	68.8E	67.8E	72.4E	68.8E	73.2E	73.2E	73.2E		
28	5.8E	3.0E	166.9E	27.18E	89.1E	69.5E	79.3E	89.0E	47.0E	67.1E	99.99M	0.25E	84.4E	75.9E	74.3E	70.8E	69.3E	74.3E	70.8E	74.7E	74.7E	74.7E		
29	5.0E	2.6E	154.2E	25.71E	86.9E	68.2E	77.5E	92.0E	55.0E	68.2E	99.99M	0.24E	84.0E	76.5E	75.1E	72.0E	69.6E	75.1E	72.0E	75.4E	75.4E	75.4E		
30	5.3E	2.4E	151.8E	16.71E	83.8E	66.3E	73.0E	93.0E	61.0E	66.9E	99.99M	0.15E	81.9E	77.1E	75.3E	72.7E	68.4E	75.3E	72.7E	75.2E	75.2E	75.2E		
31	7.5E	2.1E	238.8E	21.66E	84.0E	64.8E	74.7E	94.0E	56.0E	66.6E	99.99M	0.20E	82.6E	75.3E	79.0E	76.4E	68.2E	79.0E	76.4E	74.7E	74.7E	74.7E		
TOT				655.19							3.59	5.54												
AVG		4.9	263.7	21.14	74.7	54.4	64.8	95.4	49.1	55.7		0.18	73.2	67.1	67.5	64.0	67.5	66.9	64.0	65.6	65.6	65.6		
MAX	32.7				89.1E			99.6					84.4E			79.0E								
MIN					44.2				20.8					60.5										

Total Heating Degree Days : 105.9

Total Cooling Degree Days : 92.5

Total Hours of Wind > 8 mph : 145

Illinois Climate Network (ICN)  
 June 2006  
 Monthly Summary for Carbondale

DAY	MAX WIND SPEED		AVG WIND SPEED		DIR		TOTAL SOLAR RAD		MAX AIR TEMP		MIN AIR TEMP		AVG AIR TEMP		REL HUM %		AVG DEW POINT		TOTAL PRECIP IN		MAX 4" SOIL TEMP		MIN 4" SOIL TEMP		AVG 4" SOIL TEMP		MAX 8" SOIL TEMP		MIN 8" SOIL TEMP		AVG 8" SOIL TEMP	
	MPH	ØF	MPH	ØF	Ø	Ø	MJ/M*H	ØF	ØF	ØF	ØF	ØF	%	ØF	%	ØF	%	ØF	ØF	ØF	ØF	ØF	ØF	ØF	ØF	ØF	ØF	ØF	ØF	ØF		
1	14.5	3.9	120.4	65.6E	71.8	97.9	59.1	67.1	99.99M	0.15	81.6E	75.8E	67.5E	74.8	75.0																	
2	17.0	5.4	356.2	62.9	70.0	98.5	41.7	62.8	0.07	0.20	79.2E	74.7E	66.0E	73.3	74.7																	
3	16.9	3.8	296.1	59.1	73.2	99.1	33.0	60.1	0.00	0.27	81.2E	76.4E	66.2E	72.1	74.1																	
4	21.6	2.7	6.2	57.6	67.3	97.6	45.4	59.7	0.00	0.16	78.9E	73.8E	65.5E	72.3	73.6																	
5	15.2	2.7	124.2	52.1	66.9	99.3	32.6	54.9	0.00	0.26	80.2E	71.5E	65.1E	70.4	72.3																	
6	18.9	4.7	190.8	53.9	70.0	97.8	30.8	55.8	0.01	0.27	80.9E	72.2E	76.6E	74.1	70.5																	
7	19.2	5.7	283.1	65.2	75.7	93.0	37.0	63.1	0.00	0.25	81.8E	74.4E	77.9E	75.5	73.4																	
8	15.7	2.9	336.2	61.5	74.5	96.6	32.1	62.4	0.00	0.25	81.6E	74.9E	78.3E	76.1	74.3																	
9	13.4	2.5	272.6	62.3	77.4	99.0	39.1	66.7	0.00	0.26	83.1E	74.7E	78.8E	77.4	75.0																	
10	24.0	5.0	228.4	65.9	79.5	95.8	38.2	67.8	0.00	0.28	84.8E	76.3E	80.4E	74.6	76.3																	
11	15.1	5.0	40.4	67.3	72.3	91.5	67.8	66.6	0.00	0.11	80.8E	77.2E	79.0E	77.7	76.1																	
12	16.5	5.9	27.2	55.7	68.2	96.1	48.4	57.9	0.01	0.19	80.6E	75.5E	77.9E	75.8	74.8																	
13	16.2	3.3	16.3	57.8	66.6	95.6	38.2	56.1	0.00	0.24	82.4	77.7	77.5	75.3	73.4																	
14	12.1	2.0	54.0	54.8	70.5	98.6	36.9	58.6	0.00	0.27	84.1	74.4	78.8	76.2	73.8																	
15	15.0	4.5	147.8	58.4	74.8	97.7	33.3	61.0	0.00	0.27	84.8	76.1	80.2	76.9	74.8																	
16	16.4	6.4	154.5	65.5	79.7	94.7	39.4	64.6	0.00	0.28	86.5	77.7	81.7	78.1	75.9																	
17	26.1	7.0	180.7	67.0	75.7	94.0	55.3	67.6	0.00	0.16	83.4	79.1	81.1	77.5	76.3																	
18	24.8	7.8	195.2	70.1	73.8	98.4	71.8	70.5	0.66	0.17	82.8	78.8	80.4	76.4	75.6																	
19	14.7	4.3	229.0	69.4	78.3	99.4	52.9	70.7	0.00	0.26	86.8	78.2	82.0	78.6	74.1																	
20	14.4	4.8	218.7	75.1	83.3	93.7	48.4	73.4	0.00	0.27	88.5	80.7	84.2	80.3	77.9																	
21	18.1	6.4	218.2	77.6	83.5	87.9	52.4	73.2	0.00	0.27	88.4	85.0	85.1	80.8	79.2																	
22	29.8	5.8	220.6	69.7	80.8	98.5	54.9	73.4	0.52	0.24	88.7	82.8	85.1	81.4	79.7																	
23	13.4	3.1	2.8	68.2	74.8	99.5	56.7	69.1	0.00	0.20	87.8	81.3	84.2	80.3	77.4																	
24	14.4	2.9	41.3	64.4	75.0	99.3	40.7	66.6	0.00	0.24	88.0	80.0	83.7	80.0	76.4																	
25	14.7	3.0	23.1	65.2	73.2	99.2	49.9	67.1	0.00	0.21	87.0	80.4	83.3	79.5	76.6																	
26	18.3	4.9	313.5	62.1	71.4	94.1	48.8	63.0	0.00	0.24	85.4	79.3E	82.0	78.7	75.8E																	
27	14.5	3.9	309.6	60.0	69.3	97.7	50.4	61.5	0.00	0.21	83.9	77.6	80.6	77.8	74.7																	
28	14.6	4.2	233.5	58.4	74.7	98.3	34.3	60.6	0.00	0.28	84.8	76.8	80.6	78.0	75.9																	
29	24.0	3.6	279.0	66.5	75.7	97.6	47.2	67.3	0.07	0.26	87.5	78.7	82.6	79.5	77.2																	
30	17.3	3.0	315.3	65.1	77.4	99.0	37.5	66.6	0.00	0.23	86.7	79.6	83.1	79.6	77.9																	
TOT									1.34	6.95																						
AVG	4.4	4.4	248.9	63.5	74.2	96.8	45.1	64.5		0.23	84.1	77.4	78.5	77.6	74.2	75.8																
MAX	29.8			92.3		99.5					88.7			81.4																		
MIN				52.1			30.8					71.5E			70.4																	

Total Heating Degree Days : 0.0  
 Total Cooling Degree Days : 278.0  
 Total Hours of Wind > 8 mph : 85

Illinois Climate Network (ICN)  
 July 2006  
 Monthly Summary for Carbondale

DAY	MAX WIND SPEED MPH	AVG WIND SPEED MPH	DIR AVG WIND Ø	TOTAL SOLAR RAD MJ/M*H	MAX AIR TEMP ØF	MIN AIR TEMP ØF	AVG AIR TEMP ØF	MAX REL HUM %	MIN REL HUM %	AVG DEW POINT ØF	TOTAL PRECIP IN	TOTAL EVAP IN	MAX 4" SOIL TEMP ØF		MIN 4" SOIL TEMP ØF		AVG 4" SOIL TEMP ØF		MAX 8" SOIL TEMP ØF		MIN 8" SOIL TEMP ØF		AVG 8" SOIL TEMP ØF		
													TEMP	ØF	TEMP	ØF	TEMP	ØF	TEMP	ØF	TEMP	ØF	TEMP	ØF	
1	16.4	6.1	220.3	27.51	92.1	70.9	81.7	89.1	36.7	66.9	0.00	0.26	87.2	80.2	83.5	80.1	76.5	78.3	80.1	76.5	78.3	80.1	76.5	78.3	
2	16.7	5.8	216.8	28.59	94.3	71.7	83.3	85.4	30.5	66.9	0.00	0.28	88.7	80.7	84.4	81.1	77.1	79.0	81.1	77.1	79.0	81.1	77.1	79.0	
3	18.0	6.4	213.7	28.59	92.6	71.7	83.7	83.7	40.2	68.4	0.00	0.27	89.8	82.1	85.6	81.7	78.0	79.9	81.7	78.0	79.9	81.7	78.0	79.9	
4	14.0	3.8	244.3	17.94	89.0	71.8	78.3	99.6	60.0	72.0	0.24	0.17	88.3	83.4	85.5	81.2	78.9	80.1	81.2	78.9	80.1	81.2	78.9	80.1	
5	21.1	5.9	30.1	27.18	82.4	61.8	74.5	99.9	38.5	62.6	0.01	0.25	89.4	82.1	85.1	80.8	78.0	79.3	85.1	80.8	78.0	74.5	76.5	76.5	
6	17.0	3.8	59.5	27.18	80.6	53.7	67.6	97.8	33.8	54.7	0.00	0.24	85.1	77.3	81.1	79.0	74.5	76.5	81.1	79.0	74.5	74.5	76.5	76.5	
7	16.2	3.4	103.0	28.99	81.3	53.2	68.9	99.4	36.6	57.9	0.00	0.26	85.6	76.2	80.6	77.7	73.3	75.6	80.6	77.7	73.3	73.3	75.6	75.6	
8	9.6	2.0	151.0	29.33	86.1	55.3	71.4	99.3	30.5	59.4	0.00	0.26	87.3	77.1	81.9	78.8	73.9	76.3	81.9	78.8	73.9	73.9	76.3	76.3	
9	12.4	2.8	215.1	18.42	86.1	62.3	74.1	98.0	44.5	65.7	0.00	0.17	85.6	79.4	82.2	78.3	75.5	77.0	82.2	78.3	75.5	75.5	77.0	77.0	
10	19.5	5.1	201.1	11.85	82.3	63.9	73.4	98.6	69.5	70.3	0.06	0.11	82.8	79.3	81.3	77.7	75.5	76.5	81.3	77.7	75.5	75.5	76.5	76.5	
11	23.2	7.9	201.7	10.36	83.8	72.3	75.9	96.8	75.7	73.4	0.21	0.09	84.0	80.1	81.5	77.1	75.4	76.3	81.5	77.1	75.4	75.4	76.3	76.3	
12	34.6	6.0	202.2	13.65	85.5	72.2	77.0	99.7	72.8	74.3	5.05	0.12	85.4	79.7	82.0	80.5	62.4	75.4	82.0	80.5	62.4	62.4	75.4	75.4	
13	15.9	3.5	191.7	19.84	90.7	71.5	79.0	100.0	63.1	74.5	0.01	0.18	87.4	80.1	83.3	79.8	76.6	78.4	83.3	79.8	76.6	76.6	78.4	78.4	
14	18.7	5.0	217.3	16.15	89.1	72.7	78.1	99.7	67.0	74.8	0.35	0.15	86.5	81.9	83.8	80.4	77.3	78.8	83.8	80.4	77.3	77.3	78.8	78.8	
15	12.3	2.1	355.8	28.79	91.9	69.0	80.6	100.0	49.0	73.0	0.00	0.27	90.4	80.9	85.3	87.7	79.2	82.6	85.3	87.7	79.2	79.2	82.6	82.6	
16	9.1	1.6	167.3	29.13	92.2	69.6	81.3	100.0	38.0	72.5	0.00	0.28	91.2	83.3	87.1	88.5	83.7	86.2	87.1	88.5	83.7	83.7	86.2	86.2	
17	10.5	1.9	221.3	28.05	92.7	68.8	81.0	99.6	44.8	72.3	0.00	0.27	91.1	84.1	87.4	88.7	85.5	87.1	87.4	88.7	85.5	85.5	87.1	87.1	
18	12.8	3.4	180.2	22.69	91.5	70.1	81.7	98.5	57.4	75.4	0.00	0.21	91.1	84.9	87.8	88.5	85.9	87.3	87.8	88.5	85.9	85.9	87.3	87.3	
19	13.6	2.7	141.1	27.87	94.9	71.5	84.4	99.7	52.4	75.9	0.00	0.27	93.5	85.4	89.2	89.8	86.1	87.8	89.2	89.8	86.1	86.1	87.8	87.8	
20	15.9	4.5	187.3	21.29	92.9	72.6	84.4	99.9	62.8	77.2	0.00	0.20	91.9	86.9	89.4	89.4	87.2	88.3	89.4	89.4	87.2	87.2	88.3	88.3	
21	30.2	4.6	273.2	15.47	91.1	69.3	78.8	98.4	63.3	74.5	0.84	0.14	89.8	85.6	87.4	88.9	86.2	87.3	87.4	88.9	86.2	86.2	87.3	87.3	
22	17.0	5.6	343.7	28.75	79.9	61.1	70.9	97.2	36.7	61.0	0.00	0.25	88.2	82.3	84.9	86.7	84.1	85.5	84.9	86.7	84.1	84.1	85.5	85.5	
23	9.2	1.9	348.4	28.77	85.0	57.5	71.2	99.8	41.0	62.4	0.00	0.26	87.8	79.8	83.7	85.9	82.5	84.2	83.7	85.9	82.5	82.5	84.2	84.2	
24	9.9	2.6	197.1	28.81	85.5	61.1	74.1	99.7	46.3	65.5	0.00	0.26	87.9	80.7	84.2	86.2	82.9	84.6	84.2	86.2	82.9	82.9	84.6	84.6	
25	13.0	4.2	195.4	28.37	87.1	63.2	76.5	99.3	43.8	67.1	0.00	0.26	87.8	81.4	84.6	86.3	83.4	84.9	84.6	86.3	83.4	83.4	84.9	84.9	
26	23.6	9.8	203.5	23.27	88.1	74.8	81.1	85.5	61.3	71.8	0.00	0.22	87.9	82.8	85.3	86.5	84.2	85.3	85.3	86.5	84.2	84.2	85.3	85.3	
27	25.7	9.9	214.7	21.12	83.8	74.2	79.3	87.0	69.1	71.8	0.00	0.19	86.6	83.2	84.9	86.1	84.5	85.3	84.9	86.1	84.5	84.5	85.3	85.3	
28	15.6	5.9	232.3	16.04	86.5	73.9	79.0	96.5	72.4	74.5	0.00	0.15	87.5	83.6	85.3	86.4	84.6	85.5	85.3	86.4	84.6	84.6	85.5	85.5	
29	13.5	4.0	192.8	20.65	89.6	70.6	80.4	98.8	64.4	76.1	0.00	0.19	90.4	83.5	86.7	87.8	84.6	86.0	86.7	87.8	84.6	84.6	86.0	86.0	
30	25.0	5.1	200.8	19.52	92.7	71.4	81.0	98.6	54.0	75.7	0.65	0.18	90.6	84.1	87.1	88.0	85.1	86.5	87.1	88.0	85.1	85.1	86.5	86.5	
31	17.4	5.5	191.7	28.05	92.8	73.6	84.6	99.7	47.4	76.3	0.00	0.27	91.7	84.7	88.2	88.8	85.7	87.3	88.2	88.8	85.7	85.7	87.3	87.3	
TOT				722.22							7.42	6.68													
AVG		4.6	207.0	23.30	88.2	67.7	78.0	96.9	51.7	69.8		0.22	88.3	81.8	84.9	84.0	80.3	82.2	84.9	84.0	80.3	80.3	82.2	82.2	
MAX	34.6				94.9			100.0					93.5			89.8									
MIN						53.2			30.5					76.2											

Total Heating Degree Days : 0.0  
 Total Cooling Degree Days : 400.6  
 Total Hours of Wind > 8 mph : 112

Illinois Climate Network (ICN)

August 2006

Monthly Summary for Carbondale

DAY	MAX WIND SPEED MPH	AVG WIND SPEED MPH	DIR AVG WIND Ø	TOTAL SOLAR RAD MJ/M*M	MAX AIR TEMP ØF	MIN AIR TEMP ØF	AVG AIR TEMP ØF	MAX REL HUM %	MIN REL HUM %	AVG DEW POINT ØF	TOTAL PRECIP IN	TOTAL EVAP IN	MAX 4"		MIN 4"		AVG 4"		MAX 8"		MIN 8"		AVG 8"	
													SOIL TEMP ØF	SOIL TEMP ØF	SOIL TEMP ØF	SOIL TEMP ØF	SOIL TEMP ØF	SOIL TEMP ØF	SOIL TEMP ØF	SOIL TEMP ØF				
1	18.6	6.8	199.5	27.75	92.7	77.0	84.6	93.2	55.8	76.5	0.00	0.27	91.8	85.7	88.5	89.2	86.3	87.8						
2	20.1	7.6	207.9	27.67	92.8	76.9	85.1	93.6	51.4	75.7	0.00	0.27	91.5	86.1	88.7	89.2	86.7	88.0						
3	18.4	4.1	235.7	17.68	90.7	74.6	81.9	97.6	59.5	74.7	0.12	0.17	90.8	85.9	88.2	88.8	86.8	87.8						
4	19.7	4.7	35.9	27.96	85.4	65.8	76.8	98.5	45.3	67.8	0.00	0.26	90.8	85.2	87.4	88.3	86.1	87.3						
5	12.2	2.5	105.3	28.18	86.9	62.1	74.5	100.0	35.4	65.5	0.00	0.26	90.2	81.8	85.8	87.6	84.2	86.0						
6	12.5	3.0	188.9	27.24	90.8	62.0	78.1	100.0	45.2	69.8	0.00	0.26	90.6	81.7	86.0	87.8	84.0	85.8						
7	12.8	3.7	230.4	24.03	95.5	71.0	82.8	99.5	42.5	74.1	0.00	0.23	92.1	84.2	87.8	88.9	85.5	87.1						
8	11.5	3.0	93.2	21.66	90.7	72.1	81.7	99.5	62.7	76.1	0.00	0.20	92.3	85.2	88.5	89.3	86.3	87.8						
9	18.2	3.5	187.3	13.87	93.4	75.7	81.1	98.1	56.3	75.7	0.00	0.13	91.1	86.1	88.2	88.7	86.8	87.8						
10	27.2	4.8	248.8	18.90	95.0	72.3	81.3	97.9	49.8	75.2	0.00	0.18	90.7	85.1	87.4	88.3	86.1	87.3						
11	12.9	3.3	107.2	11.19	83.9	71.7	77.0	99.5	73.2	74.1	0.01	0.10	88.1	84.5	86.0	87.5	85.6	86.4						
12	12.2	3.8	76.9	22.47	84.5	67.4	75.6	99.0	56.8	68.9	0.00	0.20	89.8	83.2	86.2	87.6	84.8	86.2						
13	9.9	2.2	148.3	23.61	88.8	64.1	76.6	100.0	52.3	69.8	0.00	0.22	90.6	82.1	86.2	87.9	84.4	86.0						
14	18.4	4.2	233.2	15.88	91.5	70.8	78.3	98.6	63.8	74.1	0.17	0.15	91.0	83.9	86.5	88.0	85.3	86.5						
15	15.4	4.6	15.6	27.51	83.5	62.0	74.1	98.9	39.2	63.7	0.00	0.25	89.4	82.3	85.5	87.1	84.4	85.8						
16	15.5	3.0	99.1	26.81	85.1	57.6	71.8	100.0	44.9	63.0	0.00	0.24	88.5	79.1	83.7	86.3	82.6	84.6						
17	10.1	1.9	166.5	23.31	89.5	58.6	74.8	100.0	41.0	66.6	0.00	0.22	88.4	79.4	84.0	86.4	82.6	84.6						
18	13.3	3.2	202.2	23.52	96.5	68.8	81.7	99.7	39.6	72.7	0.00	0.23	90.6	81.9	86.0	87.7	83.9	85.6						
19	35.9	3.5	254.1	17.07	95.3	73.3	81.0	97.7	50.3	73.9	0.00	0.16	91.5	84.4	87.3	88.3	85.5	86.9						
20	21.2	2.9	36.0	6.48	79.4	71.2	75.2	98.9	72.1	72.9	0.18	0.06	86.6	83.6	85.1	87.5	85.1	85.8						
21	13.3	3.2	26.5	19.89	85.7	66.8	75.4	98.5	49.6	67.8	0.00	0.18	88.4	81.3	84.4	86.2	83.4	84.7						
22	13.1	3.0	7.4	24.00	83.3	61.9	71.8	100.0	44.9	64.2	0.00	0.22	88.1	79.6	83.5	85.8	82.6	84.2						
23	11.4	2.2	117.4	25.63	85.4	57.5	71.1	100.0	39.8	62.8	0.00	0.23	88.4	78.4	83.1	85.9	81.9	83.8						
24	14.1	2.8	147.6	24.63	88.0	58.3	72.9	100.0	35.8	62.8	0.00	0.23	87.9	78.7	83.1	85.7	82.0	84.0						
25	11.8	2.9	184.8	14.43	87.1	58.8	74.8	100.0	53.8	67.8	0.00	0.13	84.8	78.8	82.0	84.9	82.1	83.5						
26	16.2	3.5	204.9	14.94	90.6	68.7	78.8	99.9	59.4	73.4	0.00	0.14	86.7	80.3	83.3	85.2	82.5	83.7						
27	18.8	3.5	141.5	12.03	89.3	71.7	76.5	100.0	64.7	74.1	0.36	0.11	86.2	81.6	83.7	85.2	83.4	84.4						
28	20.0	4.2	233.7	14.04	87.2	70.9	76.6	100.0	65.0	74.1	0.04	0.13	86.5	81.2	83.3	85.1	82.9	84.0						
29	15.8	4.9	324.5	14.30	79.2	66.6	71.8	99.9	60.0	67.5	0.00	0.13	85.1	80.6	82.4	84.6	82.7	83.5						
30	13.5	4.3	326.3	8.18	72.5	63.6	67.8	99.8	75.4	64.9	0.00	0.07	80.9	77.9	79.5	83.2	81.0	81.7						
31	13.6	4.4	1.0	11.12	77.8	64.9	69.8	100.0	70.8	66.9	0.00	0.09	81.5	77.1	78.8	81.6	79.9	80.6						
TOT				615.98							0.88	5.72												
AVG		3.7	193.4	19.87	87.7	67.2	76.8	99.0	53.4	70.2		0.18	88.7	82.2	85.2	86.9	84.1	85.5						
MAX	35.9				96.5			100.0					92.3			89.3								
MIN						57.5			35.4					77.1										

Total Heating Degree Days : 0.0

Total Cooling Degree Days : 386.2

Total Hours of Wind > 8 mph : 27

KEY: \* 99.99M = 999.9M = missing data  
\* E = estimated data

\*\* For further information on the ICN contact: Bob Scott (217) 333-4966  
Illinois State Water Survey  
2204 Griffith Dr.  
Champaign, IL 61820-7495