

Illinois Climate Network (ICN)  
September 2009  
Monthly Summary For Carbondale

DAY	MAX WIND SPEED MPH	AVG WIND SPEED MPH	DIR AVG WIND °	TOTAL SOLAR RAD MJ/M*M	MAX AIR TEMP °F	MIN AIR TEMP °F	AVG AIR TEMP °F	MAX REL HUM %	MIN REL HUM %	AVG DEW POINT °F	TOTAL PRECIP IN	TOTAL EVAP IN	MAX 4" SOIL TEMP °F	MIN 4" SOIL TEMP °F	AVG 4" SOIL TEMP °F	MAX 8" SOIL TEMP °F	MIN 8" SOIL TEMP °F	AVG 8" SOIL TEMP °F
1	16.2	3.2	37.5	20.70	73.7	52.5	63.2	97.0	43.7	53.0	0.00	0.15	73.1	68.2	70.5	74.0	70.8	72.5
2	9.5	1.8	334.9	21.44	78.0	48.9	63.2	97.8	46.2	55.6	0.00	0.13	74.6	66.4	70.3	73.5	69.4	71.5
3	11.8	2.6	43.2	19.45	79.6	55.0	66.9	97.7	58.2	61.4	0.00	0.13	75.2	68.4	71.7	74.1	70.3	72.2
4	9.1	2.1	84.9	19.79	81.8	58.9	69.1	98.3	51.8	63.5	0.00	0.13	77.1	70.1	73.3	75.4	71.4	73.3
5	12.9	3.3	101.4	9.54	75.4	64.9	69.8	97.7	77.7	67.2	0.21	0.05	75.5	71.9	73.6	74.8	72.8	73.8
6	18.8	3.3	136.8	14.26	81.0	62.8	69.2	98.0	57.6	65.9	0.86	0.09	76.7	70.9	73.5	75.2	72.0	73.7
7	9.9	1.7	105.7	19.30	83.9	61.8	71.1	98.6	59.1	66.5	0.00	0.12	78.6	71.1	74.7	76.8	72.6	74.6
8	11.3	2.5	40.2	19.22	82.3	62.5	70.7	98.5	54.2	65.0	0.00	0.13	78.1	72.6	75.1	77.1	73.8	75.5
9	11.1	2.2	46.4	21.58	81.8	58.9	69.7	98.5	50.1	63.0	0.00	0.14	77.9	71.3	74.4	77.0	73.2	75.2
10	11.1	2.4	28.1	18.65	82.3	58.4	69.8	98.5	53.3	64.1	0.00	0.12	76.9	71.0	73.9	76.6	73.0	74.8
11	12.4	2.0	14.2	19.88	82.7	62.6	70.0	97.9	52.8	64.0	0.00	0.13	77.4	72.4	74.0	76.5	73.1	74.7
12	16.4	3.9	63.5	20.73	80.5	58.9	69.3	98.5	45.6	61.5	0.00	0.16	76.4	70.9	73.5	76.0	72.8	74.5
13	17.0	3.9	71.4	22.09	79.2	53.4	65.9	98.3	48.8	58.3	0.00	0.16	75.4	69.1	72.2	75.0	71.5	73.4
14	15.5	3.6	76.7	17.17	80.0	54.3	68.6	98.3	56.0	60.9	0.00	0.12	74.7	68.6	71.8	74.4	70.9	72.8
15	15.8	4.5	71.9	13.28	79.5	65.0	71.7	97.4	69.6	66.1	0.44	0.09	75.8	71.2	73.3	75.3	72.6	73.9
16	21.2	7.0	63.3	19.25	83.3	65.4	74.2	86.6	48.4	62.9	0.00	0.18	75.6	71.0	73.3	75.7	72.8	74.3
17	20.8	6.4	44.2	17.86	78.6	61.2	70.3	83.9	50.0	57.9	0.00	0.16	73.7	69.8	71.9	74.7	72.3	73.7
18	16.9	4.3	27.1	18.13	80.7	58.3	69.3	95.8	51.0	59.2	0.00	0.14	74.5	69.2	71.8	74.3	71.6	73.1
19	15.2	5.6	63.8	13.52	78.6	60.9	70.8	88.1	64.8	61.7	0.00	0.11	73.8	69.4	71.7	73.8	71.3	72.7
20	12.6	3.6	185.8	8.59	81.3	66.0	71.6	97.9	70.5	68.2	0.18	0.05	75.4	70.8	73.0	74.6	72.1	73.3
21	13.4	4.0	186.8	12.89	81.3	67.2	72.5	98.3	67.6	69.2	0.00	0.08	77.6	71.9	74.3	75.7	72.9	74.2
22	16.5	4.1	206.5	11.26	79.9	66.7	72.3	97.7	64.3	68.3	0.01	0.07	77.3	72.6	74.5	76.0	73.4	74.6
23	10.2	2.3	36.7	9.82	79.2	66.6	72.0	98.1	66.8	67.7	0.02	0.06	75.7	72.2	74.0	75.7	73.3	74.6
24	13.4	4.4	23.9	3.69	72.8	67.3	69.6	98.0	83.6	67.8	0.80	0.02	74.0	71.7	72.8	74.9	73.3	74.0
25	12.3	3.0	299.0	13.09	79.0	59.5	69.2	98.3	55.3	65.0	0.00	0.08	75.9	71.2	73.1	75.5	72.7	73.9
26	33.5	2.5	274.0	15.31	79.7	54.3	63.1	98.7	48.3	59.3	0.32	0.10	75.4	69.1	71.6	74.5	71.4	73.1
27	20.6	7.1	218.6	20.04	78.6	56.2	68.3	98.6	47.2	60.4	0.00	0.17	73.1	67.1	70.1	72.9	70.0	71.6
28	28.7	10.9	295.7	20.95	73.7	49.9	62.4	81.1	35.2	43.0	0.00	0.26	71.3	65.8	68.5	72.5	69.0	70.8
29	20.1	5.5	312.0	20.21	65.8	46.1	54.9	97.6	46.0	45.6	0.00	0.15	67.7	62.9	65.2	69.3	66.3	67.6
30	9.1	1.8	100.2	18.23	69.7	42.2	55.7	98.6	49.8	49.4	0.00	0.10	67.7	61.3	64.5	68.2	64.4	66.4
TOT				499.91							2.84	3.57						
AVG		3.8	45.3	16.66	78.8	58.9	68.2	96.3	55.8	61.4		0.12	75.1	69.7	72.2	74.7	71.6	73.1
MAX	33.5				83.9			98.7					78.6			77.1		
MIN						42.2			35.2					61.3			64.4	

Total Heating Degree Days : 24.8

Total Cooling Degree Days : 140.1

Total Hours of Wind > 8 mph : 85

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

\*\* For further information on the ICN contact: Bob Scott (217) 333-4966

Illinois Climate Network (ICN)  
 October 2009  
 Monthly Summary For Carbondale

DAY	MAX WIND SPEED MPH	AVG WIND SPEED MPH	DIR AVG WIND °	TOTAL SOLAR RAD MJ/M*M	MAX AIR TEMP °F	MIN AIR TEMP °F	AVG AIR TEMP °F	MAX REL HUM %	MIN REL HUM %	AVG DEW POINT °F	TOTAL PRECIP IN	TOTAL EVAP IN	MAX 4" SOIL TEMP °F	MIN 4" SOIL TEMP °F	AVG 4" SOIL TEMP °F	MAX 8" SOIL TEMP °F	MIN 8" SOIL TEMP °F	AVG 8" SOIL TEMP °F
1	23.9	7.7	172.9	10.20	73.1	50.9	63.6	96.9	56.6	56.2	0.17	0.10	67.3	63.0	65.2	67.6	65.4	66.6
2	29.2	9.3	250.6	20.12	68.9	51.1	60.7	95.2	29.8	42.8	0.00	0.22	67.0	63.2	65.1	67.6	65.7	66.7
3	23.4	7.2	273.4	18.88	65.4	43.3	55.2	97.0	41.9	42.1	0.00	0.17	65.3	60.6	62.8	66.1	63.6	64.9
4	9.1	1.6	162.7	9.15	61.4	40.5	50.1	98.0	51.1	44.9	0.00	0.04	62.9	58.8	60.9	64.7	62.0	63.4
5	12.9	2.9	114.6	18.68	70.3	38.9	55.2	98.4	51.0	48.5	0.00	0.11	64.3	57.7	60.9	65.2	61.0	63.0
6	21.7	8.0	228.7	4.99	65.6	55.7	61.8	95.9	50.2	57.0	0.68	0.05	64.7	61.8	63.1	65.3	63.6	64.4
7	13.5	3.6	294.8	19.50	67.1	44.3	54.6	94.7	38.8	43.4	0.00	0.12	64.5	58.9	61.8	65.4	62.3	64.0
8	29.5	4.6	102.7	1.77	60.1	52.5	56.4	98.5	70.1	55.0	3.16	0.00	62.1	60.1	61.0	64.5	62.4	63.2
9	22.6	7.5	302.5	2.35	64.9	47.0	57.0	98.7	88.0	56.0	0.99	0.01	63.4	59.1	61.6	64.0	62.3	63.1
10	13.4	3.7	5.9	16.91	58.6	38.9	47.7	97.5	42.6	41.8	0.00	0.09	61.0	56.9	58.8	62.8	60.7	61.9
11	13.8	4.0	36.3	17.43	57.5	37.4	45.7	98.1	48.2	38.7	0.00	0.10	58.7	54.3	56.5	61.6	58.9	60.2
12	18.8	3.7	345.7	8.80	65.0	44.3	54.8	96.6	63.6	48.5	0.01	0.05	60.6	55.2	57.9	61.7	58.9	60.2
13	18.2	7.0	51.0	2.91	53.4	47.3	49.9	96.7	74.3	45.4	0.00	0.02	59.7	56.3	57.7	61.7	59.6	60.7
14	14.3	5.4	37.1	2.42	49.8	46.2	48.2	97.3	91.7	47.0	0.62	0.00	56.8	55.0	55.8	60.1	58.6	59.2
15	13.6	5.4	345.2	3.52	50.0	45.6	47.8	97.9	81.6	45.4	0.29	0.01	55.6	54.3	54.9	59.0	57.7	58.2
16	17.0	6.2	339.5	3.01	47.7	42.8	44.9	89.7	70.0	40.1	0.00	0.02	54.6	52.4	53.6	58.2	56.5	57.4
17	19.4	5.0	340.9	8.58	51.6	33.2	43.4	97.4	50.6	37.3	0.00	0.05	54.0	50.9	52.6	57.1	55.6	56.4
18	13.8	3.1	221.0	17.45	58.4	29.8	43.9	98.4	35.1	33.8	0.00	0.10	54.6	48.1	51.3	56.4	53.5	55.0
19	26.0	9.8	207.0	16.45	64.7	42.9	54.4	73.2	45.6	40.2	0.00	0.17	55.5	50.0	52.7	56.7	54.0	55.3
20	23.8	8.8	202.0	15.68	70.0	49.2	58.5	79.0	54.3	47.0	0.00	0.15	57.8	52.2	54.9	58.2	55.3	56.6
21	16.6	4.3	179.1	8.55	65.5	43.5	56.3	95.7	55.7	47.5	0.00	0.06	57.2	52.9	55.3	58.3	56.1	57.3
22	20.4	8.2	154.9	2.48	66.3	57.7	60.9	97.1	70.0	57.2	1.29	0.02	59.0	55.7	57.1	59.7	57.6	58.4
23	31.5	10.2	255.0	6.40	68.0	47.0	58.8	96.0	60.6	53.0	0.14	0.06	61.4	58.0	59.9	61.3	59.3	60.5
24	20.8	7.1	247.5	16.38	61.6	43.2	50.9	88.7	36.7	38.7	0.00	0.13	59.2	55.3	57.2	60.5	58.2	59.3
25	19.5	6.1	184.2	13.45	68.8	47.0	55.5	88.2	39.7	43.1	0.00	0.12	58.8	54.2	56.3	59.6	57.3	58.5
26	12.9	4.4	237.2	10.15	67.4	48.1	57.7	92.1	46.9	47.4	0.00	0.08	59.3	55.1	57.3	60.0	57.8	58.9
27	12.0	3.9	49.3	1.16	54.5	51.5	53.0	98.1	91.7	52.0	0.87	0.00	58.2	56.4	57.2	60.0	58.7	59.3
28	9.3	2.9	163.4	2.23	58.0	45.3	53.7	98.3	78.9	51.8	0.00	0.00	57.9	55.5	56.9	59.4	58.4	58.9
29	22.6	7.4	139.2	3.14	67.4	43.9	56.9	98.9	76.6	54.9	0.54	0.02	58.2	53.6	55.6	59.0	56.9	57.9
30	32.6	11.6	199.9	1.63	72.0	51.8	61.0	95.6	78.8	58.1	1.40	0.02	61.8	57.8	60.0	61.5	58.5	60.5
31	17.6	5.6	268.8	13.27	57.2	35.9	48.6	95.7	40.0	37.5	0.00	0.10	58.4	54.1	56.7	60.4	58.2	59.1
TOT				297.62							10.16	2.20						
AVG		6.0	228.3	9.60	62.3	45.0	53.8	94.8	58.4	46.8		0.07	60.0	56.0	58.0	61.4	59.2	60.3
MAX	32.6				73.1			98.9					67.3			67.6		
MIN						29.8			29.8					48.1			53.5	

Total Heating Degree Days : 351.6

Total Cooling Degree Days : 0.0

Total Hours of Wind > 8 mph : 192

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

Illinois Climate Network (ICN)  
November 2009  
Monthly Summary For Carbondale

DAY	MAX WIND SPEED MPH	AVG WIND SPEED MPH	DIR WIND °	TOTAL SOLAR RAD MJ/M*M	MAX AIR TEMP °F	MIN AIR TEMP °F	AVG AIR TEMP °F	MAX REL HUM %	MIN REL HUM %	AVG DEW POINT °F	TOTAL PRECIP IN	TOTAL EVAP IN	MAX 4" SOIL TEMP °F	MIN 4" SOIL TEMP °F	AVG 4" SOIL TEMP °F	MAX 8" SOIL TEMP °F	MIN 8" SOIL TEMP °F	AVG 8" SOIL TEMP °F
1	8.2	1.8	124.8	14.45	62.6	32.4	45.4	98.1	36.9	35.9	0.00	0.08	55.8	50.8	53.5	58.4	55.3	56.7
2	15.6	4.4	268.2	14.34	71.1	37.5	54.0	96.0	41.2	41.8	0.00	0.11	56.8	50.8	53.8	57.6	54.8	56.2
3	14.9	3.5	4.7	14.90	58.8	36.5	47.8	91.1	22.9	31.1	0.00	0.10	55.1	51.7	53.4	57.3	55.5	56.4
4	30.8	7.1	281.2	14.25	67.9	39.4	54.3	91.8	22.6	34.2	0.00	0.17	55.3	50.9	52.9	56.5	54.4	55.5
5	6.8	2.2	349.2	14.39	60.3	39.4	45.7	90.0	36.0	34.1	0.00	0.05	52.8	49.7	51.1	50.4	48.3	51.9
6	25.2	8.1	186.9	12.78	67.4	37.9	55.5	95.0	37.6	38.2	0.00	0.16	53.0	48.4	50.8	50.2	47.9	49.1
7	26.6	12.3	216.5	13.12	72.2	56.7	63.6	75.5	49.0	50.3	0.00	0.18	56.0	50.9	53.4	52.2	49.2	50.5
8	19.0	6.8	210.5	13.55	73.5	52.9	62.4	84.9	45.3	51.5	0.00	0.12	57.5	52.9	55.2	53.4	51.0	52.1
9	8.8	2.3	175.2	6.03	70.3	50.3	59.0	99.2	53.5	53.3	0.00	0.03	57.8	54.1	56.0	54.0	51.9	53.0
10	19.5	4.9	5.2	10.92	70.6	50.7	58.1	98.9	51.9	51.9	0.00	0.08	58.3	54.7	56.3	54.6	52.5	53.5
11	16.2	5.2	19.2	13.42	62.0	33.3	49.3	91.6	32.2	37.2	0.00	0.11	55.8	51.1	54.0	54.0	51.3	52.8
12	12.2	2.3	85.3	13.18	60.1	28.3	42.6	98.4	38.4	33.9	0.00	0.07	52.2	47.7	50.2	51.6	48.2	49.7
13	14.5	4.8	181.7	11.02	63.8	31.9	48.6	98.4	42.4	37.8	0.00	0.09	51.9	47.0	49.6	49.6	47.2	48.5
14	15.1	5.2	198.5	9.96	67.1	44.7	56.9	95.4	52.4	47.0	0.00	0.08	53.9	48.9	51.4	50.6	48.0	49.2
15	8.2	2.3	39.2	3.84	62.0	47.2	56.8	100.0	82.7	55.0	0.00	0.01	55.2	51.5	53.4	51.8	49.6	50.6
16	20.4	5.7	127.7	1.80	59.1	48.5	54.3	100.0	86.6	53.3	0.64	0.00	55.0	53.1	54.0	52.0	50.8	51.4
17	17.5	6.7	207.4	3.20	50.1	41.1	46.1	99.8	76.2	44.2	0.00	0.01	54.3	50.9	53.0	51.8	49.8	50.9
18	20.1	7.3	192.8	2.91	45.7	42.0	44.0	99.2	85.7	42.0	0.08	0.01	51.3	49.5	50.5	50.1	48.4	49.2
19	16.6	5.8	213.4	8.42	57.2	36.3	46.4	99.4	57.3	41.8	0.00	0.05	52.0	48.8	50.0	49.2	47.7	48.5
20	10.6	1.7	217.9	11.17	65.3	34.1	47.1	100.0	48.2	41.6	0.00	0.06	52.0	46.6	49.3	48.9	46.4	47.8
21	11.7	2.3	132.7	11.29	65.3	35.8	49.7	100.0	41.4	41.5	0.00	0.07	51.9	46.9	49.4	48.8	46.5	47.8
22	14.9	3.0	88.1	8.02	59.6	35.4	46.0	100.0	55.3	41.0	0.00	0.05	50.6	46.7	48.7	48.3	46.3	47.3
23	9.5	3.1	174.2	2.12	52.8	39.5	48.3	99.3	88.2	47.2	0.00	0.00	50.3	47.5	49.0	48.0	46.4	47.2
24	29.2	9.4	197.8	3.83	59.2	45.7	52.7	99.4	68.8	48.6	0.26	0.04	52.3	49.9	51.0	49.2	47.6	48.4
25	22.2	8.5	266.4	11.27	56.6	38.5	47.2	86.1	34.9	35.7	0.00	0.11	50.7	47.3	49.1	48.7	46.7	47.6
26	21.5	6.9	286.0	3.62	45.2	28.3	38.5	96.1	57.7	30.7	0.00	0.04	48.2	43.8	46.2	47.4	44.2	45.7
27	16.1	5.1	222.1	11.60	52.7	27.0	40.9	96.8	41.0	29.6	0.00	0.08	45.9	41.3	43.7	44.4	42.1	43.3
28	24.4	9.3	211.1	11.41	66.9	40.5	54.3	74.6	36.6	38.9	0.00	0.15	48.1	43.2	45.6	45.4	42.7	43.9
29	21.5	9.8	235.4	2.77	56.4	43.6	51.5	93.8	60.5	44.7	0.03	0.05	49.2	46.5	47.8	46.4	44.7	45.5
30	19.5	7.0	331.4	8.63	46.7	29.3	39.8	94.6	50.9	31.4	0.00	0.06	48.3	44.0	46.6	46.2	43.8	45.2
TOT				282.22							1.01	2.24						
AVG		5.5	220.3	9.41	61.0	39.5	50.2	94.8	51.1	41.5		0.07	52.9	48.9	51.0	50.9	48.6	49.8
MAX	30.8				73.5			100.0					58.3			58.4		
MIN						27.0			22.6					41.3			42.1	

Total Heating Degree Days : 443.3

Total Cooling Degree Days : 0.0

Total Hours of Wind > 8 mph : 195

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

\*\* For further information on the ICN contact: Bob Scott (217) 333-4966

Illinois Climate Network (ICN)  
 December 2009  
 Monthly Summary For Carbondale

DAY	MAX WIND SPEED MPH	AVG WIND SPEED MPH	DIR AVG WIND °	TOTAL SOLAR RAD MJ/M*M	MAX AIR TEMP °F	MIN AIR TEMP °F	AVG AIR TEMP °F	MAX REL HUM %	MIN REL HUM %	AVG DEW POINT °F	TOTAL PRECIP IN	TOTAL EVAP IN	MAX 4" SOIL TEMP °F	MIN 4" SOIL TEMP °F	AVG 4" SOIL TEMP °F	MAX 8" SOIL TEMP °F	MIN 8" SOIL TEMP °F	AVG 8" SOIL TEMP °F
1	17.0	5.0	198.6	10.18	51.7	30.3	40.6	94.4	38.8	31.1	0.00	0.07	45.8	42.1	44.0	44.1	42.1	43.1
2	27.1	8.4	341.1	1.06	42.3	33.1	38.6	98.8	72.4	36.1	0.99	0.00	43.8	42.2	43.2	43.1	41.6	42.4
3	21.0	7.7	312.0	7.84	39.9	26.7	33.8	87.4	42.7	24.5	0.00	0.06	42.5	39.3	41.4	42.0	39.9	41.1
4	12.8	2.8	292.9	11.19	35.5	18.6	26.4	94.1	47.2	18.2	0.00	0.05	39.9	36.9	38.3	40.3	37.7	38.7
5	11.6	2.9	199.0	11.59	38.3	15.4	26.3	95.9	38.2	16.9	0.00	0.05	37.9	35.2	36.5	38.0	35.8	36.7
6	15.2	5.4	158.8	5.43	38.0	18.5	30.3	93.9	49.2	21.0	0.07	0.04	36.6	34.7	35.7	36.6	35.0	35.7
7	12.2	4.8	253.2	5.66	43.5	34.7	37.3	81.3	52.5	30.8	0.00	0.03	39.8	37.3	37.6	37.7	36.0	36.6
8	25.3	7.1	109.8	0.73	51.2	34.7	40.1	95.9	77.4	37.0	1.02	0.01	41.0	37.9	38.9	38.4	37.0	37.5
9	39.4	17.4	273.7	5.71	49.0	20.2	32.2	87.7	44.6	19.0	0.00	0.12	41.8	36.1	39.4	39.2	36.2	38.1
10	21.4	8.6	275.8	11.06	30.3	13.2	20.9	72.6	20.8	4.2	0.00	0.07	36.4	33.6	34.6	36.5	33.6	34.7
11	14.8	4.1	190.9	10.70	39.0	20.1	28.1	82.7	17.3	12.1	0.00	0.07	34.0	33.1	33.5	33.9	32.8	33.2
12	19.0	6.4	171.5	3.32	43.1	26.9	36.8	86.1	29.9	18.2	0.04	0.06	34.9	33.1	33.7	33.9	32.6	33.1
13	17.8	6.8	210.6	9.30	53.7	39.0	45.1	93.7	52.8	39.0	0.10	0.06	41.3	34.6	38.2	37.7	33.6	35.7
14	31.5	13.0	230.2	5.08	55.6	37.1	47.8	89.5	64.4	41.6	0.00	0.06	44.6	40.1	42.4	40.4	37.3	38.9
15	20.7	8.7	344.2	9.13	37.2	20.9	28.2	79.1	49.2	18.0	0.00	0.06	43.0	36.5	39.5	40.2	36.6	38.4
16	10.8	3.5	157.2	10.55	38.8	17.3	27.1	82.8	28.7	12.8	0.00	0.05	36.8	34.6	35.6	36.9	34.6	35.4
17	14.9	4.3	171.6	8.87	48.1	23.7	35.1	82.5	26.3	19.7	0.00	0.07	37.2	34.0	35.4	35.5	33.8	34.7
18	17.6	3.4	317.3	4.77	50.4	30.2	39.3	84.2	40.8	27.3	0.00	0.03	39.5	35.2	37.2	37.0	34.6	35.6
19	24.1	11.2	318.9	1.25	36.1	29.9	33.0	89.5	73.5	27.8	0.01	0.03	38.6	36.4	37.6	36.9	35.5	36.3
20	17.4	7.3	240.9	1.90	30.9	26.4	28.7	83.4	73.2	22.6	0.00	0.02	36.7	35.0	35.8	35.9	34.5	35.1
21	8.2	2.6	232.2	3.71	36.9	26.3	30.6	92.4	63.5	25.8	0.00	0.01	37.4	34.3	35.6	35.5	33.9	34.6
22	13.1	4.9	144.2	4.53	48.6	30.2	38.6	94.1	63.2	33.7	0.00	0.02	39.3	35.0	36.9	36.7	34.2	35.2
23	23.5	8.9	147.9	2.06	54.6	44.2	49.7	91.2	58.3	43.0	0.12	0.04	43.4	38.9	41.2	39.6	36.3	37.8
24	29.0	11.0	122.8	0.94	54.5	45.1	49.0	94.0	73.9	45.8	2.46	0.02	45.3	42.9	43.8	41.4	39.2	40.2
25	38.6	14.5	217.6	2.86	53.5	26.9	34.0	88.8	40.4	24.0	0.26	0.07	45.6	37.0	41.4	41.7	37.4	40.0
26	30.8	11.0	231.8	8.39	36.7	27.6	32.9	64.2	40.9	16.2	0.00	0.10	37.3	35.0	35.9	37.6	35.1	35.9
27	24.7	9.2	275.0	3.02	32.6	22.7	28.8	73.4	54.8	17.5	0.00	0.05	35.8	34.1	35.0	35.6	33.7	34.7
28	19.9	9.1	292.4	7.47	41.6	21.0	30.4	74.6	48.9	19.5	0.00	0.07	34.6	33.3	33.9	34.1	32.8	33.3
29	17.0	5.8	51.8	8.96	34.2	25.0	28.8	76.1	47.0	17.4	0.00	0.05	35.1	33.2	33.9	33.6	32.5	33.1
30	19.7	5.8	191.4	2.83	40.7	28.1	35.3	93.5	55.0	27.4	0.05	0.03	36.3	33.5	34.8	34.5	32.8	33.5
31	18.8	7.2	319.1	2.07	40.0	22.2	35.5	93.8	57.7	30.3	0.00	0.02	38.2	35.5	37.0	35.7	34.1	35.0
TOT			182.16								5.14	1.48						
AVG		7.4	242.0	5.88	42.8	27.0	34.5	86.8	49.8	25.1		0.05	39.4	36.2	37.7	37.8	35.6	36.6
MAX	39.4				55.6			98.8					45.8			44.1		
MIN						13.2			17.3					33.1			32.5	

Total Heating Degree Days : 933.9

Total Cooling Degree Days : 0.0

Total Hours of Wind > 8 mph : 311

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

Illinois Climate Network (ICN)  
 January 2010  
 Monthly Summary For Carbondale

DAY	MAX WIND SPEED MPH	AVG WIND SPEED MPH	DIR WIND °	TOTAL SOLAR RAD MJ/M*M	MAX AIR TEMP °F	MIN AIR TEMP °F	AVG AIR TEMP °F	MAX REL HUM %	MIN REL HUM %	AVG DEW POINT °F	TOTAL PRECIP IN	TOTAL EVAP IN	MAX 4" SOIL TEMP °F	MIN 4" SOIL TEMP °F	AVG 4" SOIL TEMP °F	MAX 8" SOIL TEMP °F	MIN 8" SOIL TEMP °F	AVG 8" SOIL TEMP °F
1	20.3	8.4	330.8	10.16	26.3	16.0	20.6	78.6	48.5	10.2	0.00	0.05	35.8	33.1	34.0	35.1	32.3	33.4
2	17.6	6.3	342.0	9.97	20.9	9.2	14.8	76.1	51.5	5.4	0.00	0.04	33.3	32.0	32.6	32.7	31.2	31.9
3	13.0	6.2	1.3	7.77	19.6	10.0	13.8	70.8	41.9	1.5	0.00	0.04	32.4	31.3	31.9	31.6	30.6	31.1
4	16.5	7.5	321.7	10.91	21.4	6.3	13.0	74.3	40.9	2.3	0.00	0.05	31.7	30.9	31.3	31.0	30.0	30.5
5	16.5	6.5	314.3	11.06	23.8	5.7	14.1	75.0	43.4	2.1	0.00	0.05	31.3	30.5	30.9	30.4	29.6	30.0
6	13.1	3.3	227.1	10.67	31.4	6.2	20.0	89.3	30.7	7.2	0.05	0.04	31.0	30.2	30.6	30.0	29.3	29.6
7	29.1	12.9	282.3	9.40	25.3	9.7	17.9	91.1	47.8	9.2	0.09	0.06	30.9	30.4	30.7	29.8	29.3	29.5
8	23.8	10.1	301.4	5.63	14.7	7.0	10.8	71.9	60.4	1.6	0.00	0.03	31.0	30.5	30.8	29.7	29.2	29.5
9	13.3	4.4	319.3	10.73	15.7	-1.7	8.0	83.2	57.8	0.6	0.00	0.03	31.0	30.6	30.8	29.7	29.2	29.5
10	19.2	4.7	212.8	12.34	23.8	-6.7	11.8	82.9	41.1	1.4	0.00	0.05	31.1	30.6	30.8	29.6	29.0	29.3
11	19.5	8.7	274.6	6.10	34.7	20.1	25.9	71.3	53.9	15.6	0.00	0.05	31.1	30.6	30.9	29.5	29.0	29.3
12	15.3	4.0	323.9	11.50	31.8	12.4	21.6	86.5	52.0	13.5	0.00	0.04	31.1	30.6	30.9	29.4	28.9	29.2
13	21.5	6.4	206.8	12.42	43.1	10.8	29.8	91.2	41.9	18.2	0.00	0.08	31.1	30.6	30.9	29.4	28.8	29.2
14	22.1	8.0	214.5	6.42	48.4	33.3	41.1	65.9	47.0	26.6	0.00	0.08	31.1	30.7	30.9	29.4	28.9	29.2
15	14.9	3.7	278.8	6.44	53.1	31.5	44.4	94.1	54.7	34.6	0.00	0.04	31.2	30.7	31.0	29.4	28.9	29.2
16	10.8	4.0	42.6	3.99	45.0	30.4	38.5	95.6	77.7	35.5	0.00	0.01	31.3	30.7	31.1	29.5	29.0	29.3
17	18.3	6.2	337.1	6.33	43.4	27.6	36.6	93.4	60.6	32.3	0.02	0.03	32.0	30.8	31.3	29.5	29.0	29.3
18	10.7	3.1	215.4	9.34	54.5	32.0	40.0	95.3	52.5	34.6	0.00	0.04	36.8	31.3	33.5	31.2	29.1	29.9
19	9.3	3.3	53.3	8.70	52.1	31.4	41.7	94.9	67.1	37.7	0.00	0.04	39.9	33.1	36.4	34.6	30.6	32.1
20	18.9	5.9	143.0	3.01	56.4	40.2	49.4	96.1	84.9	47.8	0.40	0.01	44.0	38.3	40.8	38.1	34.3	35.8
21	19.0	7.3	29.4	2.28	54.5	37.1	48.0	96.3	90.2	46.6	0.48	0.01	45.7	43.6	44.5	40.3	37.7	39.2
22	17.2	5.6	341.1	3.55	41.4	34.6	38.4	94.6	80.3	35.4	0.00	0.01	43.7	40.7	42.0	39.9	38.2	38.9
23	30.4	10.8	156.7	4.34	55.1	41.0	48.6	92.4	70.3	43.5	0.41	0.05	44.9	41.1	42.9	40.6	38.3	39.2
24	34.4	10.1	252.5	4.44	54.7	34.6	47.7	92.5	69.0	42.2	0.29	0.05	47.6	43.4	45.5	42.2	40.1	41.2
25	27.9	11.0	264.9	3.37	36.7	33.4	35.0	75.9	50.6	22.8	0.00	0.07	43.7	38.0	40.2	41.4	37.3	39.1
26	27.2	9.0	296.4	10.19	34.0	20.5	27.8	88.3	44.6	15.5	0.00	0.08	38.5	35.4	36.9	37.5	34.9	36.0
27	19.7	5.1	191.4	4.92	39.8	19.9	31.1	89.9	47.3	23.7	0.08	0.03	35.7	34.0	34.9	35.1	33.3	34.0
28	23.2	9.4	353.3	11.27	36.7	20.7	26.9	86.1	44.0	15.4	0.00	0.07	36.0	33.8	34.9	34.3	32.9	33.7
29	18.8	9.8	46.9	2.34	21.3	17.4	19.6	88.7	55.6	11.3	0.15	0.03	34.2	32.5	33.1	33.3	31.4	32.3
30	18.2	6.7	359.6	11.03	27.1	4.8	18.9	89.5	49.1	11.8	0.09	0.05	32.9	32.3	32.6	31.9	31.1	31.5
31	5.6	1.4	294.5	14.73	41.5	0.6	19.0	86.8	30.2	8.4	0.00	0.05	32.7	32.2	32.5	31.5	30.9	31.2
TOT				245.34							2.06	1.37						
AVG		6.8	302.1	7.91	36.4	19.2	28.2	85.8	54.4	19.8		0.04	35.3	33.4	34.3	33.1	31.7	32.4
MAX	34.4				56.4			96.3					47.6			42.2		
MIN						-6.7			30.2					30.2			28.8	

Total Heating Degree Days : 1,152.7

Total Cooling Degree Days : 0.0

Total Hours of Wind > 8 mph : 279

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

Illinois Climate Network (ICN)  
 February 2010  
 Monthly Summary For Carbondale

DAY	MAX WIND SPEED MPH	AVG WIND SPEED MPH	DIR AVG WIND °	TOTAL SOLAR RAD MJ/M*M	MAX AIR TEMP °F	MIN AIR TEMP °F	AVG AIR TEMP °F	MAX REL HUM %	MIN REL HUM %	AVG DEW POINT °F	TOTAL PRECIP IN	TOTAL EVAP IN	MAX 4" SOIL TEMP °F	MIN 4" SOIL TEMP °F	AVG 4" SOIL TEMP °F	MAX 8" SOIL TEMP °F	MIN 8" SOIL TEMP °F	AVG 8" SOIL TEMP °F
1	12.5	2.9	154.0	12.40	41.0	10.6	27.9	89.6	28.7	14.6	0.00	0.06	32.6	32.0	32.3	31.3	30.7	31.0
2	15.6	4.7	274.9	4.95	39.3	28.9	35.0	82.5	57.5	25.5	0.00	0.04	32.5	32.0	32.3	31.3	30.7	31.0
3	15.6	4.0	2.6	14.36	37.6	20.8	30.9	85.7	46.7	20.6	0.00	0.06	32.7	32.0	32.4	31.7	30.8	31.2
4	14.3	5.6	74.8	5.04	37.2	28.5	32.9	94.5	63.4	26.4	0.22	0.03	33.5	32.1	32.6	32.1	30.8	31.4
5	17.0	6.4	19.5	1.76	38.8	31.9	35.6	95.3	90.6	34.0	0.85	0.00	35.9	33.1	34.5	33.3	31.7	32.5
6	30.3	10.5	358.1	5.48	32.7	27.9	31.0	95.3	65.8	25.2	0.00	0.04	34.4	33.3	34.0	33.1	32.3	32.7
7	11.6	3.5	24.4	14.67	33.6	19.7	27.7	90.1	53.7	19.6	0.00	0.06	34.6	32.7	33.5	32.7	31.5	32.2
8	11.1	4.8	85.5	4.69	34.2	26.0	29.5	94.6	65.7	23.3	0.08	0.02	33.4	32.4	32.9	32.3	31.2	31.8
9	28.2	10.6	291.5	12.52	29.5	16.4	22.2	94.6	44.1	14.1	0.01	0.06	33.7	32.8	33.3	32.3	31.6	32.0
10	27.9	10.1	309.0	12.64	32.4	21.9	26.8	82.7	52.2	17.1	0.00	0.08	33.6	32.7	33.2	32.0	31.0	31.4
11	10.7	1.6	320.9	15.96	36.8	12.4	24.9	89.6	30.6	15.1	0.00	0.06	33.2	32.3	32.7	31.4	30.6	31.0
12	8.1	2.0	353.6	7.31	36.4	17.3	28.1	89.2	42.3	20.2	0.00	0.03	32.8	32.0	32.4	31.3	30.4	30.9
13	10.6	3.2	358.2	7.29	36.4	28.1	31.4	86.0	54.7	23.4	0.00	0.03	36.1	32.2	33.7	32.7	30.9	31.6
14	27.2	6.3	332.3	2.33	33.3	21.7	30.2	93.0	59.6	25.4	0.03	0.01	34.5	33.0	33.7	32.4	31.7	32.1
15	22.8	9.6	290.5	9.09	25.5	15.6	21.9	87.4	60.3	13.8	0.00	0.05	33.7	32.6	33.0	32.3	31.2	31.6
16	17.8	9.4	282.8	9.69	32.0	22.6	26.9	79.9	58.3	18.0	0.00	0.06	33.7	32.4	32.9	31.7	30.9	31.3
17	19.6	6.4	297.1	12.68	36.4	21.3	28.9	77.8	37.8	16.5	0.00	0.07	34.1	32.0	32.8	31.5	30.5	31.1
18	12.9	3.4	294.9	16.07	46.2	20.8	31.2	87.1	29.8	18.5	0.00	0.08	37.4	32.0	33.9	32.4	30.5	31.3
19	9.1	2.1	120.1	13.53	51.2	20.0	35.9	90.2	16.1	20.1	0.00	0.07	38.4	32.5	35.0	33.6	30.8	32.0
20	18.9	4.6	195.9	13.19	61.2	35.7	46.8	83.7	27.6	28.3	0.00	0.11	43.4	35.2	38.8	36.9	33.0	34.5
21	23.4	4.1	180.0	8.69	62.5	35.6	47.8	95.0	27.1	37.5	0.23	0.08	44.2	38.6	41.3	38.8	35.7	37.0
22	24.8	9.4	319.5	2.73	46.2	33.2	38.1	95.4	71.4	34.0	0.00	0.02	42.9	38.9	41.1	38.8	37.0	38.0
23	16.0	6.4	323.0	13.95	37.6	23.9	30.1	88.7	45.4	21.3	0.04	0.07	42.1	36.2	38.8	37.3	35.3	36.4
24	25.5	10.8	321.0	14.72	32.2	21.4	26.5	83.0	40.7	13.7	0.00	0.10	38.3	34.6	36.3	36.2	33.9	34.7
25	12.9	4.4	329.0	14.63	36.7	16.5	25.2	87.4	48.5	15.2	0.00	0.06	36.6	33.0	34.5	34.2	32.2	33.2
26	15.9	4.5	318.6	17.69	41.3	17.2	29.4	90.9	30.4	16.5	0.00	0.10	38.2	32.8	34.9	33.9	31.8	32.8
27	19.8	8.2	317.8	18.33	44.5	23.1	34.6	63.9	30.3	16.4	0.00	0.14	38.9	32.9	35.5	34.4	31.8	33.0
28	17.6	4.1	324.1	18.29	48.5	26.4	36.0	82.7	36.3	20.6	0.00	0.10	42.0	33.6	37.3	36.2	32.6	34.3
TOT				304.66							1.47	1.68						
AVG		5.8	320.6	10.88	39.3	23.1	31.2	87.7	47.0	21.2		0.06	36.3	33.3	34.6	33.5	31.9	32.6
MAX	30.3				62.5			95.4					44.2			38.8		
MIN						10.6			16.1					32.0			30.4	

Total Heating Degree Days : 946.8

Total Cooling Degree Days : 0.0

Total Hours of Wind > 8 mph : 185

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

Illinois Climate Network (ICN)  
 March 2010  
 Monthly Summary For Carbondale

DAY	MAX WIND SPEED MPH	AVG WIND SPEED MPH	DIR AVG WIND °	TOTAL SOLAR RAD MJ/M*M	MAX AIR TEMP °F	MIN AIR TEMP °F	AVG AIR TEMP °F	MAX REL HUM %	MIN REL HUM %	AVG DEW POINT °F	TOTAL PRECIP IN	TOTAL EVAP IN	MAX 4" SOIL TEMP °F	MIN 4" SOIL TEMP °F	AVG 4" SOIL TEMP °F	MAX 8" SOIL TEMP °F	MIN 8" SOIL TEMP °F	AVG 8" SOIL TEMP °F
1	15.7	5.1	12.4	4.31	40.9	27.8	35.4	89.9	64.8	28.8	0.00	0.03	38.1	35.3	37.0	35.8	34.2	35.0
2	19.4	7.8	5.3	4.07	36.6	26.2	33.8	88.5	66.9	26.9	0.00	0.04	37.3	34.9	36.4	35.3	34.2	34.8
3	23.5	5.6	338.3	12.05	42.3	22.4	33.1	88.6	40.7	23.4	0.00	0.07	39.3	34.0	36.1	35.4	33.3	34.2
4	16.2	4.0	323.7	19.60	47.8	18.9	32.2	90.4	25.1	18.2	0.00	0.11	40.8	33.4	36.5	35.6	32.5	34.0
5	15.6	2.4	19.0	20.09	50.7	20.4	35.0	89.9	26.1	20.4	0.00	0.11	42.2	33.7	37.4	36.6	32.8	34.6
6	10.1	2.6	93.1	20.52	56.6	19.9	38.6	89.9	19.0	19.8	0.00	0.12	43.7	34.3	38.5	37.7	33.5	35.5
7	20.7	6.4	206.4	8.78	64.5	29.5	50.5	76.9	26.3	28.1	0.00	0.12	43.0	36.6	39.7	38.7	35.4	36.8
8	11.4	4.6	50.3	15.80	61.6	35.9	47.3	94.8	43.0	37.6	0.00	0.09	47.6	39.5	43.2	41.2	37.5	39.1
9	25.6	8.3	166.1	3.95	57.4	39.4	51.3	91.1	62.6	46.7	0.13	0.03	46.7	42.3	44.4	42.0	39.5	40.6
10	30.1	12.8	183.2	17.74	71.4	56.7	62.9	89.2	41.7	52.5	0.00	0.19	53.3	46.3	49.7	46.3	41.6	43.8
11	27.3	10.5	197.7	14.49	67.4	43.3	58.3	93.5	34.7	47.3	0.66	0.16	54.5	49.9	51.7	47.9	45.6	46.6
12	12.1	3.6	294.9	3.48	47.1	40.3	43.6	93.7	77.6	40.6	0.21	0.01	50.3	46.0	47.7	47.2	44.2	45.2
13	19.3	8.8	276.2	3.87	47.6	42.2	44.4	93.9	73.1	40.1	0.04	0.03	46.9	44.9	45.9	44.4	42.9	43.5
14	23.4	9.4	332.6	3.91	48.2	43.9	45.9	94.0	73.4	41.9	0.00	0.03	46.5	45.0	45.7	43.2	42.5	42.9
15	19.1	5.8	344.9	4.22	47.9	42.5	45.8	85.8	64.4	38.4	0.00	0.04	45.7	43.9	44.9	42.9	41.9	42.4
16	13.8	4.4	341.1	9.71	57.5	44.7	48.8	85.5	48.7	39.6	0.00	0.06	49.0	44.0	45.9	44.1	41.8	42.7
17	18.6	6.6	338.0	17.59	58.8	43.1	49.4	87.2	47.7	39.6	0.00	0.12	51.7	44.9	47.7	45.7	42.5	43.9
18	13.3	4.0	295.8	21.33	63.5	35.5	49.2	93.7	33.4	37.7	0.00	0.13	53.2	43.8	48.2	46.7	42.6	44.6
19	21.5	7.3	213.4	20.03	66.7	42.6	56.4	85.1	30.4	38.2	0.00	0.19	52.8	45.2	49.0	47.4	43.7	45.6
20	15.7	5.1	272.7	9.36	66.3	41.7	52.9	89.9	39.4	42.0	0.00	0.08	51.3	46.3	48.9	47.0	44.7	46.0
21	25.1	8.8	28.8	2.10	50.5	41.1	45.5	94.6	80.4	42.7	1.06	0.01	49.1	46.3	47.3	46.6	44.5	45.3
22	16.2	6.2	338.3	2.33	47.9	37.1	43.7	95.5	78.5	41.0	0.56	0.01	46.8	44.6	45.9	44.9	43.3	44.0
23	14.2	5.1	231.0	22.36	67.1	41.1	52.8	94.2	20.7	40.3	0.00	0.15	52.8	42.6	47.2	47.0	41.9	44.1
24	21.2	5.1	196.2	14.55	69.5	39.7	55.4	94.1	38.0	44.4	0.00	0.12	52.4	45.7	49.2	47.8	44.4	46.1
25	28.1	9.2	3.3	1.48	55.0	35.3	48.2	95.3	68.9	43.8	1.53	0.02	50.2	46.2	48.6	47.5	45.4	46.3
26	17.2	5.9	28.9	23.34	51.5	30.6	40.6	84.4	28.9	27.3	0.00	0.13	49.8	42.5	46.0	46.2	42.8	44.6
27	26.3	8.0	154.6	15.14	61.5	32.9	50.1	91.5	42.0	36.3	0.14	0.14	48.8	42.8	46.1	45.8	42.9	44.5
28	26.2	7.4	307.3	2.71	50.4	44.7	47.8	95.0	65.0	43.9	0.16	0.02	48.0	46.2	47.5	45.7	44.6	45.2
29	20.9	5.4	343.7	22.63	56.6	34.4	46.0	92.1	36.6	35.4	0.00	0.14	50.7	43.6	46.9	46.7	43.0	44.8
30	19.5	5.9	201.9	23.14	67.2	31.4	52.2	94.3	27.3	37.4	0.00	0.19	52.3	43.4	47.8	47.8	43.3	45.5
31	35.7	14.4	208.8	22.74	75.0	53.3	66.4	60.4	29.3	41.8	0.00	0.36	54.6	47.7	51.0	49.7	45.9	47.6
TOT				387.40							4.51	3.09						
AVG		6.7	289.0	12.50	56.6	36.7	47.2	89.8	46.9	36.8		0.10	48.0	42.5	45.1	43.8	40.9	42.3
MAX	35.7				75.0			95.5					54.6			49.7		
MIN						18.9			19.0					33.4			32.5	

Total Heating Degree Days : 569.2

Total Cooling Degree Days : 0.0

Total Hours of Wind > 8 mph : 251

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

Illinois Climate Network (ICN)  
 April 2010  
 Monthly Summary For Carbondale

DAY	MAX WIND SPEED MPH	AVG WIND SPEED MPH	DIR AVG WIND °	TOTAL SOLAR RAD MJ/M*M	MAX AIR TEMP °F	MIN AIR TEMP °F	AVG AIR TEMP °F	MAX REL HUM %	MIN REL HUM %	AVG DEW POINT °F	TOTAL PRECIP IN	TOTAL EVAP IN	MAX 4" SOIL TEMP °F	MIN 4" SOIL TEMP °F	AVG 4" SOIL TEMP °F	MAX 8" SOIL TEMP °F	MIN 8" SOIL TEMP °F	AVG 8" SOIL TEMP °F
1	28.1	12.5	205.5	23.76	80.4	61.0	69.9	64.1	28.2	47.8	0.00	0.32	58.5	51.0	54.4	52.6	48.4	50.2
2	29.1	11.7	192.2	18.60	75.4	57.8	69.2	81.2	27.1	46.7	0.00	0.28	58.5	53.4	55.9	53.3	50.6	51.9
3	23.0	8.8	222.5	21.25	68.3	47.9	58.7	93.8	42.3	48.6	0.77	0.17	58.9	53.3	56.0	53.8	50.9	52.4
4	32.1	10.7	194.3	22.27	77.6	49.0	66.9	90.3	36.3	51.3	0.00	0.26	59.7	52.8	56.3	54.7	50.9	52.8
5	30.7	12.3	209.3	16.69	79.5	67.5	72.7	86.3	48.2	61.8	0.00	0.21	62.8	58.2	60.3	57.2	54.2	55.5
6	40.4	18.4	208.0	21.08	77.2	66.3	72.2	70.6	46.5	56.1	0.00	0.34	62.8	59.1	60.8	57.7	55.5	56.6
7	33.4	12.2	211.1	7.86	74.5	57.9	66.5	94.5	51.8	58.0	0.08	0.13	61.9	59.4	60.5	57.3	55.9	56.6
8	23.0	8.5	324.0	18.31	59.1	38.7	50.9	91.8	32.5	37.3	0.00	0.16	60.1	55.0	57.8	56.7	54.0	55.2
9	15.7	3.5	283.9	25.70	68.3	34.1	51.9	94.1	16.0	33.3	0.00	0.18	59.3	51.4	55.2	54.8	50.8	53.0
10	23.0	6.3	189.2	24.52	71.8	45.5	59.5	86.3	20.4	37.1	0.00	0.24	59.7	52.9	56.1	55.0	51.5	53.3
11	13.5	2.6	199.4	24.81	77.3	42.5	60.9	91.0	25.7	43.9	0.00	0.18	61.6	52.7	57.0	56.4	51.4	53.8
12	16.1	3.0	170.0	24.93	79.0	44.0	63.0	94.4	23.6	46.4	0.00	0.20	62.5	54.6	58.5	57.5	53.0	55.2
13	16.3	2.5	198.5	25.12	83.7	46.4	65.4	93.7	15.4	47.4	0.00	0.19	64.0	55.5	59.6	58.7	53.9	56.3
14	19.1	3.2	197.9	24.76	83.5	48.4	67.1	94.3	24.1	49.8	0.00	0.21	65.2	56.9	60.9	59.6	55.1	57.4
15	19.8	4.9	213.5	25.02	82.1	52.9	68.3	92.9	27.8	50.8	0.00	0.23	65.3	58.4	61.7	60.0	56.1	58.2
16	21.7	6.1	280.2	15.33	80.7	56.2	65.9	90.7	34.0	53.5	0.21	0.15	63.6	59.1	61.4	59.4	56.7	58.2
17	19.2	5.0	5.5	25.99	64.3	38.6	54.0	92.5	21.0	36.7	0.00	0.20	61.9	56.9	59.4	58.4	55.6	57.1
18	16.1	3.0	23.2	24.81	64.3	34.5	50.2	95.0	20.7	33.7	0.00	0.17	60.2	53.2	56.6	56.6	52.9	55.0
19	12.6	2.2	23.9	14.37	62.7	36.5	52.0	95.3	32.1	39.3	0.00	0.09	57.7	52.7	55.6	55.3	52.2	53.9
20	17.9	3.3	314.4	25.47	68.9	44.0	56.2	93.8	26.8	41.0	0.00	0.18	61.1	54.3	57.3	57.1	52.8	54.9
21	16.0	2.8	288.0	21.99	72.9	41.2	58.7	95.2	23.9	43.3	0.00	0.16	61.0	53.5	57.5	57.2	52.7	55.1
22	14.1	3.1	214.3	16.63	73.6	50.4	62.6	94.8	39.7	52.1	0.02	0.12	62.0	56.5	59.3	58.1	54.5	56.4
23	21.9	7.2	170.3	14.99	77.5	59.4	67.4	95.9	48.1	59.9	0.67	0.13	63.6	59.1	61.4	59.1	56.2	57.7
24	46.5	8.9	158.4	5.30	68.7	57.4	63.1	96.1	63.6	59.0	0.86	0.05	62.5	60.4	61.8	58.9	57.5	58.2
25	25.7	11.7	260.4	4.29	59.8	53.0	56.8	93.7	70.9	51.3	0.17	0.06	60.7	57.3	58.8	58.0	55.4	56.4
26	22.2	9.7	295.7	8.69	61.2	50.3	54.9	94.5	62.6	49.1	0.00	0.08	58.2	56.1	57.1	55.8	54.3	55.1
27	19.8	6.9	306.4	13.82	62.4	42.4	51.0	95.5	42.4	43.9	0.06	0.10	57.8	54.5	56.0	55.2	53.0	54.0
28	16.3	3.5	206.5	22.61	68.2	38.7	55.6	96.2	37.6	43.7	0.00	0.15	59.4	52.5	56.0	55.9	51.5	53.7
29	34.2	14.2	186.1	25.99	77.8	54.1	67.2	68.8	37.4	49.5	0.00	0.33	61.3	55.3	58.2	57.1	53.5	55.2
30	31.0	14.1	186.5	9.55	75.5	63.3	70.1	95.7	58.4	60.9	1.74	0.15	62.8	58.8	60.6	58.4	55.8	56.9
TOT				574.50							4.58	5.39						
AVG		7.4	216.4	19.15	72.5	49.3	61.6	90.4	36.2	47.8		0.18	61.2	55.5	58.3	56.9	53.6	55.2
MAX	46.5				83.7			96.2					65.3			60.0		
MIN						34.1			15.4					51.0			48.4	

Total Heating Degree Days : 161.4

Total Cooling Degree Days : 39.5

Total Hours of Wind > 8 mph : 321

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

\*\* For further information on the ICN contact: Bob Scott (217) 333-4966



Illinois Climate Network (ICN)  
 May 2010  
 Monthly Summary For Carbondale

DAY	MAX WIND SPEED MPH	AVG WIND SPEED MPH	DIR AVG WIND °	TOTAL SOLAR RAD MJ/M*M	MAX AIR TEMP °F	MIN AIR TEMP °F	AVG AIR TEMP °F	MAX REL HUM %	MIN REL HUM %	AVG DEW POINT °F	TOTAL PRECIP IN	TOTAL EVAP IN	MAX 4" SOIL TEMP °F	MIN 4" SOIL TEMP °F	AVG 4" SOIL TEMP °F	MAX 8" SOIL TEMP °F	MIN 8" SOIL TEMP °F	AVG 8" SOIL TEMP °F
1	22.1	7.5	158.6	8.62	72.9	63.5	67.5	96.2	82.2	65.1	0.75	0.05	64.4	61.2	62.8	59.7	57.6	58.6
2	20.0	4.7	253.6	11.07	71.9	58.5	66.2	96.2	72.2	62.7	0.06	0.06	65.6	62.5	64.0	60.9	58.8	59.8
3	24.0	4.7	199.6	26.94	78.0	50.6	64.7	96.8	32.1	55.0	0.01	0.21	66.5	60.6	63.6	62.0	58.2	60.2
4	15.6	3.8	175.8	28.69	78.9	49.7	66.1	96.9	27.1	53.1	0.00	0.22	67.5	60.7	64.1	63.1	59.0	61.0
5	21.7	7.9	221.0	27.95	83.2	62.1	74.3	79.6	37.6	57.5	0.00	0.27	68.5	62.7	65.5	64.3	60.4	62.3
6	18.5	5.8	92.4	28.41	76.4	51.0	66.2	94.2	32.2	49.3	0.00	0.24	67.6	62.4	65.2	64.4	60.9	62.8
7	36.6	12.5	245.4	21.09	82.7	56.0	71.6	91.0	44.7	57.0	0.23	0.26	68.2	63.9	65.7	64.4	61.8	63.1
8	27.8	10.1	318.1	29.20	61.1	43.7	53.9	75.6	34.3	34.8	0.00	0.26	64.5	60.0	62.1	63.5	60.2	61.7
9	13.2	3.2	63.4	22.86	61.6	39.0	50.7	94.2	34.9	38.1	0.00	0.14	63.0	57.0	59.9	61.3	57.6	59.5
10	29.4	9.4	141.5	9.29	56.7	46.2	53.2	90.6	58.0	45.2	0.00	0.09	60.4	58.2	59.2	59.8	57.1	58.1
11	32.7	11.6	202.6	17.73	80.5	56.4	70.2	91.2	60.6	62.2	0.00	0.18	65.1	58.0	61.3	60.7	56.5	58.2
12	24.5	7.5	189.6	16.95	80.7	66.1	73.9	92.9	64.8	66.9	0.00	0.14	68.2	63.5	65.6	63.0	60.0	61.3
13	27.6	9.0	211.5	16.28	80.7	66.9	75.2	94.9	64.2	66.7	0.00	0.16	69.6	65.6	67.4	64.3	61.8	62.9
14	15.8	5.1	7.9	15.72	70.5	55.8	64.0	92.7	55.1	56.6	0.06	0.11	68.9	65.4	67.0	63.8	61.9	62.8
15	17.6	6.4	49.5	10.58	65.1	56.3	61.2	93.5	69.5	55.3	0.05	0.08	66.4	63.6	64.8	62.5	60.4	61.2
16	13.5	3.8	65.3	17.64	75.7	56.6	65.2	96.2	63.1	60.0	0.02	0.11	69.9	62.5	65.9	63.3	59.6	61.4
17	18.1	6.7	305.5	8.80	68.6	55.5	62.3	95.4	70.7	58.1	0.01	0.06	67.4	64.2	66.0	62.8	61.2	62.1
18	20.7	6.2	328.8	18.89	70.3	52.9	60.9	94.6	45.7	51.9	0.00	0.14	67.3	62.3	64.7	62.2	59.7	61.0
19	13.8	3.3	20.8	20.01	67.9	47.5	60.0	96.0	60.3	52.8	0.00	0.12	67.2	60.4	64.1	62.2	58.7	60.6
20	32.1	8.4	131.3	6.88	67.4	57.0	62.3	95.2	79.8	58.8	0.76	0.05	64.5	61.6	63.3	61.6	59.2	60.2
21	19.0	6.6	236.0	18.98	74.8	57.4	68.0	95.5	54.7	61.0	0.00	0.14	69.0	62.9	65.7	63.7	59.7	61.5
22	13.8	3.8	177.7	29.23	83.7	52.8	70.6	96.6	51.8	61.5	0.00	0.21	72.8	62.5	67.5	66.7	60.4	63.4
23	18.7	6.0	199.0	27.62	89.0	71.0	79.6	94.9	51.2	70.4	0.00	0.23	75.8	67.8	71.6	69.7	64.4	66.8
24	24.3	2.4	195.9	16.86	88.9	67.7	75.9	97.1	53.8	69.9	0.00	0.11	74.7	70.2	72.5	69.7	66.8	68.5
25	11.0	2.1	254.3	22.58	86.0	63.6	75.4	97.5	52.7	67.9	0.00	0.15	76.0	69.2	72.7	70.9	66.5	68.7
26	37.9	2.5	278.7	19.12	86.2	64.7	73.2	97.2	51.4	67.2	1.21	0.13	76.6	70.4	73.0	71.3	67.5	69.4
27	31.3	3.8	312.4	20.81	84.0	64.0	72.5	97.5	60.5	67.9	0.10	0.14	76.1	69.8	72.8	71.3	67.1	69.2
28	15.5	4.0	347.4	28.71	82.0	61.6	72.2	97.3	33.7	61.2	0.00	0.22	75.7	70.1	72.9	71.4	67.7	69.6
29	14.7	3.9	99.9	27.65	86.1	61.6	75.4	95.1	48.0	66.1	0.00	0.21	77.3	70.1	73.8	72.4	68.0	70.2
30	18.2	4.1	159.4	25.84	85.2	64.6	75.8	97.1	52.4	67.6	0.00	0.19	78.5	71.3	74.8	73.1	68.9	71.0
31	25.3	5.7	209.7	23.09	83.6	65.0	73.2	96.4	56.9	67.6	0.38	0.17	78.3	72.6	75.1	73.5	69.6	71.5
TOT				624.06							3.64	4.84						
AVG		5.9	207.9	20.13	76.8	57.6	67.8	94.1	53.4	59.2		0.16	69.7	64.3	66.9	65.3	61.8	63.5
MAX	37.9				89.0			97.5					78.5			73.5		
MIN						39.0			27.1					57.0			56.5	

Total Heating Degree Days : 66.1

Total Cooling Degree Days : 133.8

Total Hours of Wind > 8 mph : 195

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

Illinois Climate Network (ICN)  
 June 2010  
 Monthly Summary For Carbondale

DAY	MAX WIND SPEED MPH	AVG WIND SPEED MPH	DIR WIND °	TOTAL SOLAR RAD MJ/M*M	MAX AIR TEMP °F	MIN AIR TEMP °F	AVG AIR TEMP °F	MAX REL HUM %	MIN REL HUM %	AVG DEW POINT °F	TOTAL PRECIP IN	TOTAL EVAP IN	MAX 4" SOIL TEMP °F	MIN 4" SOIL TEMP °F	AVG 4" SOIL TEMP °F	MAX 8" SOIL TEMP °F	MIN 8" SOIL TEMP °F	AVG 8" SOIL TEMP °F
1	9.5	2.8	210.0	28.35	88.2	62.2	76.7	97.2	50.2	67.8	0.00	0.20	79.4	71.1	75.3	74.6	69.0	71.7
2	28.4	4.9	202.2	17.22	83.6	68.1	75.2	94.6	65.6	68.7	0.11	0.12	77.0	73.7	75.6	73.8	71.0	72.5
3	14.0	3.1	249.3	26.48	86.6	66.1	76.1	94.3	48.0	67.0	0.00	0.18	79.2	72.6	75.7	74.9	70.2	72.4
4	15.9	5.0	209.9	27.71	87.6	68.1	78.3	95.7	56.8	69.9	0.00	0.21	80.1	73.5	76.6	75.6	71.1	73.3
5	15.7	6.2	216.8	19.89	85.4	74.1	79.4	90.1	61.5	71.6	0.00	0.16	80.2	74.8	77.4	74.9	72.0	73.5
6	22.3	8.1	318.4	26.93	80.0	62.1	73.6	93.9	38.7	61.8	0.00	0.24	78.9	73.7	76.3	73.9	71.4	72.7
7	11.3	2.5	297.8	18.15	80.8	61.3	71.9	96.2	44.9	62.6	0.00	0.13	76.8	71.1	74.0	72.1	69.1	70.8
8	25.0	6.9	175.3	14.88	83.2	61.3	72.5	96.8	52.1	65.5	1.03	0.13	75.6	70.9	72.9	71.1	68.5	69.9
9	24.6	4.5	271.1	21.27	86.8	69.5	77.7	93.9	62.5	71.7	0.00	0.15	78.8	71.5	74.9	73.6	68.7	70.8
10	17.3	5.1	183.9	25.08	86.9	68.6	79.2	96.6	61.5	72.1	0.00	0.19	81.1	74.0	77.4	75.3	70.9	73.0
11	23.0	7.3	191.0	17.70	85.7	73.4	78.9	91.8	60.0	72.8	0.00	0.14	79.7	75.5	77.7	74.6	72.2	73.5
12	20.7	7.0	227.7	27.18	91.1	73.3	82.8	92.4	53.8	73.6	0.00	0.23	81.9	75.4	78.6	76.6	72.0	74.2
13	16.0	4.1	218.1	27.52	91.9	68.5	81.6	96.3	53.5	73.4	0.00	0.21	83.2	75.5	79.3	77.5	72.6	75.1
14	28.0	5.8	219.3	25.18	91.8	72.4	81.5	97.1	56.8	74.6	0.46	0.20	83.8	77.3	80.3	77.9	74.1	76.0
15	27.1	5.1	225.0	26.64	91.2	70.5	79.3	97.8	54.2	72.8	0.00	0.21	82.7	77.0	79.8	77.8	73.9	76.0
16	9.2	2.5	341.3	27.27	87.6	69.5	78.2	97.2	51.5	70.1	0.00	0.18	82.9	76.2	79.5	77.8	73.7	75.8
17	21.6	4.8	145.7	20.60	83.3	68.7	75.5	97.0	65.4	70.8	1.50	0.14	80.5	75.8	78.1	76.4	73.2	74.8
18	22.1	5.1	195.4	27.30	91.7	72.2	81.7	93.5	58.1	74.1	0.00	0.21	83.7	76.1	79.7	78.4	73.3	75.7
19	27.8	5.9	215.8	27.68	89.8	66.8	79.4	95.8	54.5	71.7	0.46	0.20	83.2	76.2	79.9	78.4	73.8	76.3
20	10.4	3.2	215.6	28.80	92.5	71.7	83.0	97.3	57.5	75.2	0.00	0.21	85.3	77.8	81.4	80.2	75.1	77.6
21	16.9	5.3	202.8	28.41	93.0	76.1	85.0	85.4	50.8	74.3	0.00	0.23	85.7	79.4	82.4	80.9	76.6	78.7
22	16.7	4.8	191.6	28.50	92.7	72.8	84.4	92.3	52.0	73.8	0.00	0.23	85.8	79.0	82.3	80.8	76.5	78.7
23	17.0	6.4	205.9	29.56	90.8	75.2	84.0	90.0	51.8	73.8	0.00	0.25	85.7	79.5	82.5	80.7	76.8	78.9
24	14.6	5.3	347.8	24.59	84.8	65.6	78.8	95.6	48.6	68.9	0.00	0.20	82.8	78.5	81.0	79.4	76.7	78.1
25	11.2	2.9	148.3	29.62	89.3	63.8	77.4	97.4	48.5	68.6	0.00	0.21	83.8	75.6	79.6	78.9	74.2	76.6
26	14.2	5.7	213.4	27.78	92.7	73.2	83.0	92.2	56.2	74.2	0.00	0.22	85.5	77.9	81.4	80.2	75.3	77.7
27	30.8	8.3	218.2	19.95	91.3	72.0	82.5	95.6	57.2	73.5	0.69	0.19	84.1	78.9	81.2	79.0	76.0	77.6
28	13.8	4.4	306.6	27.18	86.2	71.5	78.2	96.7	37.0	70.2	0.02	0.20	84.1	78.0	80.8	79.3	75.1	77.1
29	13.8	4.1	359.2	25.75	81.5	65.9	73.5	97.1	46.0	63.9	0.00	0.19	80.9	76.9	79.0	77.9	74.6	76.3
30	19.7	5.6	53.8	30.45	79.6	58.3	70.5	96.6	43.3	58.0	0.00	0.25	78.9	73.7	76.3	75.6	72.3	74.2
TOT				753.60							4.27	5.80						
AVG		5.1	218.5	25.12	87.6	68.8	78.7	94.8	53.3	70.2		0.19	81.7	75.6	78.6	76.9	73.0	75.0
MAX	30.8				93.0			97.8					85.8			80.9		
MIN						58.3			37.0					70.9			68.5	

Total Heating Degree Days : 0.0

Total Cooling Degree Days : 395.3

Total Hours of Wind > 8 mph : 116

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

\*\* For further information on the ICN contact: Bob Scott (217) 333-4966

Illinois Climate Network (ICN)  
 July 2010  
 Monthly Summary For Carbondale

DAY	MAX WIND SPEED MPH	AVG WIND SPEED MPH	DIR WIND °	TOTAL SOLAR RAD MJ/M*M	MAX AIR TEMP °F	MIN AIR TEMP °F	AVG AIR TEMP °F	MAX REL HUM %	MIN REL HUM %	AVG DEW POINT °F	TOTAL PRECIP IN	TOTAL EVAP IN	MAX 4" SOIL TEMP °F	MIN 4" SOIL TEMP °F	AVG 4" SOIL TEMP °F	MAX 8" SOIL TEMP °F	MIN 8" SOIL TEMP °F	AVG 8" SOIL TEMP °F
1	17.0	4.7	80.8	30.48	80.0	55.0	68.3	97.1	33.9	56.1	0.00	0.24	77.9	71.2	74.6	74.6	70.4	72.6
2	16.6	4.0	96.0	31.11	81.8	52.9	68.5	97.6	35.1	56.6	0.00	0.24	78.1	70.0	74.0	74.1	69.4	71.9
3	15.9	4.1	189.7	29.58	89.0	54.3	75.5	97.4	42.3	64.2	0.00	0.23	80.1	70.2	75.2	75.8	69.2	72.5
4	19.4	7.3	200.8	27.56	88.9	74.5	81.3	87.0	51.7	70.6	0.00	0.24	81.9	75.0	78.2	77.4	72.5	74.8
5	20.4	7.0	189.8	28.85	88.4	71.5	79.8	81.8	46.3	66.7	0.00	0.26	82.0	75.1	78.4	77.7	73.0	75.3
6	14.3	4.7	186.2	27.36	91.8	68.6	81.1	94.0	47.0	69.8	0.00	0.22	83.0	75.0	78.9	78.4	73.0	75.7
7	16.9	3.0	188.6	22.40	91.5	69.5	80.0	96.8	52.2	72.9	0.02	0.16	83.2	76.3	79.9	78.6	74.1	76.4
8	18.9	3.8	253.9	17.46	90.0	72.2	78.5	97.4	59.5	74.1	0.54	0.12	83.8	77.2	79.9	78.5	74.6	76.5
9	18.8	3.4	320.3	16.80	85.6	70.2	76.7	98.0	65.8	73.3	0.36	0.11	82.4	77.5	79.5	77.8	74.6	76.0
10	12.3	2.1	58.6	29.32	87.4	66.0	76.4	97.9	37.4	67.2	0.00	0.20	83.5	75.6	79.4	79.0	73.5	76.2
11	37.1	5.1	197.6	17.54	87.5	65.3	74.1	97.1	58.2	68.6	0.37	0.13	81.0	75.8	78.1	77.5	73.9	75.7
12	12.1	3.6	210.9	16.73	84.6	68.0	76.2	97.2	69.3	71.5	0.00	0.11	80.9	75.3	77.9	76.9	73.0	74.8
13	12.9	3.9	234.8	25.60	88.6	70.9	79.0	96.3	58.1	72.7	0.02	0.18	83.5	76.2	79.6	78.9	73.7	76.2
14	11.7	3.5	190.2	28.58	91.4	71.4	82.4	97.6	51.4	75.1	0.00	0.21	84.7	77.4	81.0	80.4	74.9	77.6
15	13.8	4.0	214.1	26.06	92.2	75.0	83.8	96.5	53.6	76.6	0.00	0.20	85.9	79.2	82.3	81.1	76.5	78.8
16	15.2	3.2	295.2	26.05	92.9	71.7	81.7	97.0	52.3	73.8	0.00	0.19	85.7	79.4	82.4	81.1	76.7	78.9
17	14.7	5.2	200.2	26.01	90.2	71.1	81.2	96.1	61.6	74.6	0.00	0.19	85.3	79.0	82.0	80.8	76.4	78.7
18	25.7	6.3	220.9	16.51	84.7	71.3	79.3	95.2	64.5	74.3	0.10	0.12	82.8	79.6	81.0	79.5	76.9	77.8
19	22.6	4.9	207.5	19.94	90.3	70.9	78.7	92.7	58.4	71.7	0.00	0.15	83.9	77.7	80.4	79.0	75.1	77.0
20	22.3	6.6	210.5	13.54	86.6	74.1	81.2	95.5	73.9	76.6	0.42	0.10	81.5	77.9	79.7	77.4	75.2	76.4
21	18.0	4.0	233.2	17.38	90.3	73.0	79.4	96.9	61.6	75.5	0.05	0.12	83.3	78.3	80.5	78.5	75.2	76.9
22	17.3	6.6	209.5	24.57	91.9	72.3	83.8	97.4	61.0	76.2	0.00	0.20	83.8	77.8	80.7	79.6	75.0	77.4
23	21.1	8.1	220.1	27.91	92.4	78.9	85.2	81.4	52.3	73.9	0.00	0.26	84.5	78.4	81.3	80.1	75.8	78.0
24	20.4	7.2	223.7	26.92	93.3	77.9	85.5	83.8	48.3	74.0	0.00	0.24	85.6	78.7	81.9	80.8	76.1	78.4
25	16.0	4.9	344.2	26.26	89.6	73.9	81.0	94.0	52.6	72.3	0.00	0.20	85.2	78.9	81.8	80.7	76.4	78.6
26	12.2	2.7	67.7	25.57	92.1	70.6	80.6	97.5	49.5	71.7	0.00	0.18	85.7	78.3	81.7	81.0	76.2	78.6
27	18.8	5.6	206.0	18.70	87.0	74.1	80.2	95.0	63.0	73.5	0.00	0.15	84.6	79.2	81.6	79.8	76.7	78.3
28	16.5	5.6	236.5	17.61	91.7	75.4	81.5	94.0	59.1	75.8	0.01	0.13	83.8	79.0	81.2	79.5	76.3	78.0
29	14.8	4.3	327.0	25.52	91.0	71.1	82.3	95.3	47.1	73.8	0.00	0.20	85.7	78.7	81.8	80.9	76.2	78.4
30	10.3	3.4	116.5	14.24	85.5	69.2	76.5	97.0	68.9	72.5	0.13	0.09	82.8	77.9	80.2	79.1	76.0	77.5
31	18.4	4.7	296.6	20.49	90.3	71.8	80.4	97.7	63.9	74.7	0.00	0.16	83.7	77.7	80.6	79.3	75.3	77.3
TOT				722.64							2.03	5.53						
AVG		4.8	214.0	23.31	89.0	70.1	79.4	94.7	54.8	71.6		0.18	83.2	76.9	79.9	78.8	74.6	76.7
MAX	37.1				93.3			98.0					85.9			81.1		
MIN						52.9			33.9					70.0			69.2	

Total Heating Degree Days : 0.0

Total Cooling Degree Days : 450.7

Total Hours of Wind > 8 mph : 93

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

Illinois Climate Network (ICN)  
 August 2010  
 Monthly Summary For Carbondale

DAY	MAX WIND SPEED MPH	AVG WIND SPEED MPH	DIR AVG WIND °	TOTAL SOLAR RAD MJ/M*M	MAX AIR TEMP °F	MIN AIR TEMP °F	AVG AIR TEMP °F	MAX REL HUM %	MIN REL HUM %	AVG DEW POINT °F	TOTAL PRECIP IN	TOTAL EVAP IN	MAX 4" SOIL TEMP °F	MIN 4" SOIL TEMP °F	AVG 4" SOIL TEMP °F	MAX 8" SOIL TEMP °F	MIN 8" SOIL TEMP °F	AVG 8" SOIL TEMP °F
1	17.0	4.3	15.2	28.15	86.8	66.3	76.5	97.9	50.2	68.5	0.00	0.21	84.0	76.5	79.8	79.6	74.7	77.1
2	7.9	1.7	171.5	26.25	91.8	62.3	77.8	98.0	47.5	69.6	0.00	0.18	85.2	75.1	79.9	80.2	74.2	77.2
3	13.2	4.8	221.0	25.54	99.7	76.0	88.1	92.5	45.6	76.9	0.00	0.21	88.3	78.4	82.9	82.0	76.2	79.0
4	19.3	4.9	246.6	26.99	101.0	76.7	89.6	93.4	34.9	75.4	0.00	0.24	89.6	80.4	84.7	83.1	77.8	80.5
5	20.5	3.3	331.8	16.06	88.1	69.7	78.6	96.9	57.2	73.1	0.04	0.11	86.3	80.3	83.1	81.7	78.0	79.6
6	17.0	3.5	353.8	27.23	88.0	65.3	77.0	97.3	41.3	65.5	0.00	0.21	86.6	77.1	81.3	80.5	75.4	78.0
7	9.8	2.1	104.8	26.42	89.8	60.9	75.1	97.5	33.8	62.5	0.00	0.19	86.0	75.7	80.5	80.2	74.7	77.6
8	14.0	3.0	218.8	26.13	94.3	61.9	79.2	97.3	36.5	67.6	0.00	0.21	86.6	75.7	80.9	80.8	74.7	77.8
9	14.0	2.9	213.5	24.11	98.9	71.0	84.5	95.8	43.2	74.7	0.00	0.18	89.1	78.4	83.3	82.4	76.4	79.4
10	12.6	2.9	209.2	22.63	98.4	74.4	85.7	97.7	43.5	76.9	0.00	0.18	89.3	80.2	84.5	83.2	78.1	80.6
11	14.9	3.5	255.2	25.82	98.8	74.4	85.2	96.1	42.4	74.7	0.00	0.21	90.4	80.7	85.2	83.9	78.4	81.2
12	23.3	3.8	243.6	15.86	98.9	70.4	80.2	97.5	43.4	73.8	0.12	0.12	88.0	80.3	83.7	82.5	79.2	80.8
13	11.6	3.5	208.2	25.74	97.3	69.2	82.7	98.0	43.5	73.8	0.00	0.20	88.3	77.4	82.5	82.4	76.3	79.3
14	24.8	3.8	236.2	20.26	94.6	73.4	83.1	96.9	44.3	75.7	0.37	0.15	87.1	78.8	83.0	82.0	77.3	79.8
15	23.2	6.1	351.8	19.65	90.9	72.9	81.5	96.6	60.0	74.0	0.89	0.16	85.6	77.7	82.0	81.0	76.8	79.1
16	16.8	3.8	20.0	26.94	85.5	63.0	74.5	95.9	38.5	62.7	0.00	0.21	82.9	76.8	79.7	79.5	75.3	77.5
17	17.4	5.0	79.5	24.33	86.5	58.9	75.1	97.6	39.4	60.6	0.00	0.22	80.6	74.4	77.6	77.6	73.3	75.7
18	16.8	4.2	83.5	22.77	89.3	70.3	79.3	96.1	53.6	68.7	0.00	0.18	82.3	75.7	78.9	78.7	73.9	76.2
19	9.6	2.9	142.0	25.14	93.2	68.5	80.6	97.9	43.9	70.9	0.00	0.19	84.2	76.6	80.3	80.3	74.6	77.4
20	16.2	5.5	177.2	19.58	93.5	70.3E	83.0	94.1E	38.0	69.2	0.00	0.19	86.4	77.7E	82.1	84.2	75.7E	80.3
21	24.4	4.0	259.9	14.50	87.0	71.3	77.7	100.0	65.8	73.6	1.37	0.10	85.5	79.3	82.3	83.1	79.2	81.2
22	12.9	3.2	18.2	20.99	89.9	68.7	78.9	100.0	52.6	71.7	0.00	0.15	85.2	80.4	82.8	83.5	79.5	81.6
23	12.1	3.3	14.5	25.86	85.7	64.3	74.9	100.0	43.7	66.2	0.00	0.19	83.9	78.7	81.3	83.1	78.6	81.0
24	16.2	3.1	357.5	21.66	85.8	62.5	73.6	100.0	47.3	65.9	0.00	0.16	82.7	77.9	80.3	81.9	78.2	80.2
25	17.6	5.7	339.4	23.01	81.7	58.2	71.8	99.1	33.3	61.4	0.00	0.19	82.2	78.0	79.8	81.1	78.0	79.5
26	12.6	2.6	13.3	25.76	80.7	53.5	67.1	99.6	34.6	56.6	0.00	0.18	80.4	74.5	77.4	79.9	75.5	77.8
27	18.8	2.9	83.1	26.27	83.8	51.3	67.5	100.0	30.4	55.0	0.00	0.20	79.5	73.4	76.4	79.1	74.7	77.0
28	18.2	3.4	143.3	22.08	91.8	53.9	73.9	99.9	47.9	65.1	0.00	0.17	81.0	73.1	77.0	79.7	74.2	77.0
29	20.4	6.8	158.6	18.70	88.4	70.6	78.1	93.1	54.6	69.7	0.00	0.16	81.7	77.4	79.5	80.5	77.0	78.8
30	18.8	6.7	163.8	14.61	85.3	71.6	76.9	94.9	62.3	70.6	0.06	0.12	82.0	77.8	79.8	80.0	77.4	78.8
31	17.6	6.8	191.2	20.19	89.1	69.8	78.4	89.0	54.8	69.2	0.00	0.17	82.7	77.4	79.9	80.7	76.8	78.7
TOT				709.23							2.86	5.54						
AVG		4.0	205.5	22.88	90.8	66.8	78.6	97.0	45.4	69.0		0.18	84.9	77.5	81.1	81.2	76.5	78.9
MAX	24.8				101.0			100.0					90.4			84.2		
MIN						51.3			30.4					73.1			73.3	

Total Heating Degree Days : 0.0

Total Cooling Degree Days : 428.0

Total Hours of Wind > 8 mph : 55

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

Illinois Climate Network (ICN)  
 September 2010  
 Monthly Summary For Carbondale

DAY	MAX WIND SPEED MPH	AVG WIND SPEED MPH	DIR WIND °	TOTAL SOLAR RAD MJ/M*M	MAX AIR TEMP °F	MIN AIR TEMP °F	AVG AIR TEMP °F	MAX REL HUM %	MIN REL HUM %	AVG DEW POINT °F	TOTAL PRECIP IN	TOTAL EVAP IN	MAX 4" SOIL TEMP °F	MIN 4" SOIL TEMP °F	AVG 4" SOIL TEMP °F	MAX 8" SOIL TEMP °F	MIN 8" SOIL TEMP °F	AVG 8" SOIL TEMP °F
1	19.0	5.9	204.7	19.08	88.8	71.9	77.8	96.2	53.7	69.4	0.00	0.16	83.4	77.7	80.4	81.2	77.2	79.2
2	23.2	7.5	210.7	9.75	83.1	71.8	77.0	97.1	64.7	69.5	0.62	0.10	81.0	77.3	79.5	80.0	77.7	78.6
3	21.8	7.6	302.2	23.05	76.2	57.9	68.7	98.7	37.5	56.6	0.04	0.20	79.0	74.7	77.3	78.0	75.4	76.8
4	18.1	4.4	308.1	25.29	74.6	50.9	62.5	99.1	34.6	50.3	0.00	0.19	76.1	71.2	73.6	76.0	71.7	74.0
5	14.2	3.6	186.9	24.34	81.7	47.6	64.5	100.0	34.0	52.3	0.00	0.19	76.3	69.1	72.6	75.8	70.3	73.2
6	23.3	7.4	192.0	24.10	87.3	52.6	72.7	97.7	33.5	55.6	0.00	0.26	77.0	70.3	73.6	76.2	71.0	73.7
7	19.0	5.6	251.7	19.55	87.2	64.3	76.2	90.3	42.4	63.0	0.00	0.18	79.6	73.3	76.2	78.2	73.2	75.6
8	10.2	2.0	338.7	18.13	82.4	59.7	69.3	97.1	38.4	59.4	0.00	0.12	79.2	74.0	76.4	77.8	74.1	76.0
9	17.4	4.1	115.9	4.65	73.3	62.3	66.1	98.8	57.6	61.3	0.76	0.03	76.0	72.1	74.7	76.4	71.9	74.5
10	22.6	5.2	116.4	3.86	68.4	63.0	65.6	100.0	94.8	64.9	0.49	0.01	73.6	71.2	72.4	72.3	70.8	71.5
11	19.0	5.0	306.0	10.43	78.8	60.1	70.4	100.0	69.9	67.1	0.01	0.07	76.4	72.9	74.3	74.3	71.7	72.8
12	11.6	2.1	333.6	23.55	82.8	51.8	66.6	100.0	33.8	56.7	0.00	0.16	75.9	69.6	72.8	75.1	69.9	72.6
13	11.7	2.7	232.9	23.08	85.6	54.8	69.1	100.0	39.6	59.6	0.00	0.17	76.9	69.6	73.1	75.5	70.6	73.1
14	9.8	2.0	218.7	15.17	83.8	58.2	70.1	100.0	43.9	62.8	0.00	0.10	76.9	71.2	74.0	75.4	71.7	73.6
15	26.7	3.9	218.6	17.04	87.4	58.0	73.4	100.0	44.5	64.6	0.04	0.14	77.4	71.7	74.7	76.1	71.9	74.0
16	18.5	5.6	279.1	16.55	81.2	59.1	70.2	98.7	58.8	64.5	0.18	0.12	78.1	73.8	75.6	76.1	73.5	74.8
17	11.4	1.9	119.8	21.75	80.7	52.2	65.1	100.0	46.2	58.4	0.00	0.14	76.6	70.7	73.6	75.4	71.2	73.5
18	9.4	1.9	214.5	21.54	87.8	52.2	69.4	100.0	40.7	60.8	0.00	0.15	77.2	69.6	73.3	75.7	70.7	73.3
19	10.4	2.7	326.5	9.63	81.1	63.1	70.6	100.0	62.1	66.3	0.00	0.06	76.3	72.5	74.3	74.8	72.6	73.8
20	12.2	2.0	204.1	20.58	90.2	60.8	74.1	100.0	42.7	65.6	0.00	0.14	78.8	71.9	75.1	76.9	71.9	74.3
21	17.1	5.3	207.3	19.93	92.2	64.7	79.1	98.9	36.8	65.1	0.00	0.19	79.3	73.5	76.3	77.6	73.4	75.5
22	17.6	4.7	231.8	12.59	86.3	65.2	76.0	98.9	56.2	66.5	0.00	0.11	78.9	74.6	76.5	76.8	74.3	75.6
23	25.3	7.5	200.3	19.61	90.5	63.3	78.7	99.3	39.1	64.6	0.00	0.22	79.0	73.7	76.3	77.2	73.5	75.4
24	19.6	6.8	251.3	13.43	79.6	57.0	72.9	97.2	58.6	63.4	0.00	0.13	78.1	73.9	76.1	76.3	74.2	75.2
25	14.4	2.9	0.3	18.30	76.2	49.7	63.7	100.0	38.6	53.0	0.00	0.13	75.4	69.7	72.7	74.5	70.9	72.9
26	18.3	6.8	5.0	11.64	63.9	51.3	57.0	94.1	63.4	51.4	0.06	0.08	72.3	68.6	70.5	73.2	69.8	71.3
27	17.9	4.7	330.6	20.26	68.8	45.0	56.2	96.2	47.4	47.7	0.00	0.14	70.9	65.4	68.1	70.7	67.2	69.1
28	13.5	2.6	272.6	19.04	75.0	45.7	58.6	100.0	40.1	49.8	0.00	0.13	71.9	64.1	67.8	70.8	66.2	68.6
29	10.6	1.7	53.8	20.16	77.7	43.0	59.7	100.0	30.2	49.0	0.00	0.13	72.2	64.1	68.1	71.1	66.1	68.7
30	25.6	6.4	341.9	19.64	79.1	47.4	63.7	100.0	32.6	50.7	0.00	0.19	71.9	64.9	68.3	70.7	66.5	68.7
TOT				525.76							2.20	4.12						
AVG		4.4	251.1	17.53	81.1	56.8	68.8	98.6	47.2	59.7		0.14	76.7	71.2	73.9	75.5	71.7	73.7
MAX	26.7				92.2			100.0					83.4			81.2		
MIN						43.0			30.2					64.1			66.1	

Total Heating Degree Days : 31.3

Total Cooling Degree Days : 149.4

Total Hours of Wind > 8 mph : 112

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

\*\* For further information on the ICN contact: Bob Scott (217) 333-4966

Illinois Climate Network (ICN)  
 October 2010  
 Monthly Summary For Carbondale

DAY	MAX WIND SPEED MPH	AVG WIND SPEED MPH	DIR WIND °	TOTAL SOLAR RAD MJ/M*M	MAX AIR TEMP °F	MIN AIR TEMP °F	AVG AIR TEMP °F	MAX REL HUM %	MIN REL HUM %	AVG DEW POINT °F	TOTAL PRECIP IN	TOTAL EVAP IN	MAX 4" SOIL TEMP °F	MIN 4" SOIL TEMP °F	AVG 4" SOIL TEMP °F	MAX 8" SOIL TEMP °F	MIN 8" SOIL TEMP °F	AVG 8" SOIL TEMP °F
1	19.2	3.7	12.1	20.52	74.1	42.0	57.1	99.2	27.8	43.7	0.00	0.16	70.6	63.8	67.1	69.7	65.8	67.9
2	21.9	5.9	357.8	9.13	64.8	43.3	52.9	100.0	52.1	45.7	0.00	0.08	66.1	62.8	64.5	68.1	64.8	65.9
3	21.2	5.9	2.9	19.17	61.2	35.5	48.3	97.1	35.4	36.9	0.00	0.15	65.4	59.8	62.5	65.4	62.1	63.9
4	15.8	2.9	7.0	19.93	63.4	30.6	46.2	99.7	25.7	34.0	0.00	0.20	65.2	57.6	61.2	64.9	60.4	62.8
5	13.7	2.2	336.1	19.54	68.8	32.8	49.5	95.8	24.3	36.2	0.00	0.13	66.1	57.0	61.3	65.0	59.9	62.5
6	14.3	3.0	276.0	19.27	75.7	37.4	56.4	97.8	26.5	42.8	0.00	0.15	67.4	57.8	62.4	65.7	60.4	63.0
7	15.3	3.4	316.1	18.74	81.0	46.9	64.1	93.5	25.7	48.6	0.00	0.15	70.2	61.6	65.4	67.8	62.6	65.0
8	9.1	1.6	273.3	19.17	83.2	40.8	59.7	97.5	20.1	45.2	0.00	0.13	70.4	60.7	65.3	68.1	62.6	65.4
9	10.4	1.5	258.5	17.93	87.8	45.1	64.5	100.0	30.1	52.5	0.00	0.13	71.7	61.6	66.5	69.0	63.2	66.1
10	13.0	2.1	248.1	16.93	87.2	51.0	67.3	99.6	26.7	54.1	0.00	0.13	72.8	63.9	68.2	70.0	64.8	67.4
11	21.3	3.3	205.4	14.88	86.6	52.6	69.1	93.9	24.4	52.3	0.00	0.14	72.8	65.2	69.0	70.3	65.8	68.1
12	20.6	4.1	205.7	14.38	81.6	52.3	66.7	99.0	39.6	55.4	0.00	0.12	73.4	66.1	69.6	70.7	66.5	68.7
13	20.8	5.6	326.8	9.12	69.8	52.2	61.8	93.6	45.3	52.4	0.00	0.08	71.0	66.3	68.9	69.7	67.2	68.3
14	19.2	4.5	280.8	17.87	71.3	36.6	55.5	99.4	16.6	36.2	0.00	0.16	69.0	61.4	65.3	67.5	63.5	65.7
15	19.6	5.7	326.1	17.82	70.1	39.7	57.1	94.6	23.3	37.6	0.00	0.17	68.3	61.5	64.5	66.6	63.0	64.8
16	14.3	3.4	210.5	17.64	74.4	34.5	55.0	98.7	22.8	38.6	0.00	0.15	67.7	58.5	63.0	65.9	61.0	63.6
17	13.7	4.4	254.6	15.16	82.9	50.8	65.9	95.0	34.3	47.2	0.00	0.15	69.7	61.4	65.1	67.2	62.4	64.6
18	14.3	3.1	296.7	14.90	82.4	49.0	64.5	97.5	29.7	50.4	0.00	0.12	70.8	62.5	66.4	68.0	63.4	65.6
19	15.0	3.8	21.6	11.69	66.4	43.8	56.6	96.2	26.5	38.7	0.00	0.10	68.0	63.7	65.6	66.8	64.1	65.4
20	20.3	4.7	244.1	16.30	74.5	36.2	57.0	100.0	22.2	38.0	0.00	0.16	67.4	59.4	63.6	65.6	61.4	63.8
21	20.8	4.8	315.2	16.72	69.9	38.3	55.3	84.7	17.9	34.1	0.00	0.16	66.8	60.0	63.1	64.9	61.5	63.4
22	17.0	4.5	175.6	15.34	76.9	35.7	57.8	93.8	18.5	34.7	0.00	0.16	66.2	57.7	61.9	64.4	59.8	62.2
23	27.0	9.6	189.0	10.36	81.5	62.5	70.7	70.9	23.9	40.6	0.00	0.23	68.1	62.5	65.0	65.8	62.5	64.0
24	31.1	12.0	194.9	8.97	77.8	65.8	70.2	99.0	38.6	58.2	0.00	0.14	69.8	64.7	67.2	67.2	64.0	65.5
25	32.8	12.7	185.4	9.53	74.4	62.5	68.6	98.9	63.5	62.3	0.00	0.11	70.1	66.6	68.5	67.9	65.6	66.8
26	45.3	12.0	220.4	11.54	75.9	48.2	64.2	97.5	32.3	49.7	0.62	0.17	69.5	63.6	67.6	67.8	64.7	66.9
27	29.2	9.9	231.8	11.51	73.2	48.6	62.0	87.5	14.9	35.3	0.00	0.21	64.5	60.2	62.5	64.8	61.0	62.7
28	19.0	6.3	318.5	15.01	55.2	31.8	46.8	100.0	33.9	31.5	0.00	0.13	62.0	56.8	59.7	62.7	58.9	60.4
29	10.4	1.9	320.8	15.75	59.6	27.3	40.7	100.0	22.5	29.0	0.00	0.08	59.3	53.0	56.0	59.0	55.1	57.2
30	23.6	8.0	217.7	15.03	66.5	29.0	52.5	94.9	25.5	31.5	0.00	0.19	58.5	52.1	55.4	58.0	54.0	56.2
31	15.5	5.2	45.5	14.40	65.9	37.2	53.4	91.2	36.6	36.1	0.00	0.13	60.1	54.2	57.2	59.1	55.3	57.3
TOT				474.24							0.62	4.45						
AVG		5.2	251.4	15.30	73.7	43.2	58.6	95.7	29.3	42.9		0.14	67.7	60.8	64.2	66.2	62.2	64.2
MAX	45.3				87.8			100.0					73.4			70.7		
MIN						27.3			14.9					52.1			54.0	

Total Heating Degree Days : 235.0

Total Cooling Degree Days : 31.9

Total Hours of Wind > 8 mph : 180

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

\*\* For further information on the ICN contact: Bob Scott (217) 333-4966  
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