

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

Illinois Climate Network Monthly Summaries - Carbondale, IL

520

DAY	MAX WIND SPEED MPH	AVG WIND SPEED MPH	DIR 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
1	14.5	4.7	17.4	11.54	80.1	66.7	71.8	98.3	67.2	67.8	0.00	0.10	81.9	77.3	79.2	81.8	79.9	80.8
2	15.3	3.9	25.5	10.02	71.3	58.5	66.6	99.6	68.8	61.9	0.00	0.08	79.6	75.9	78.3	81.5	79.8	80.6
3	14.7	2.9	47.3	23.08	79.3	54.4	66.0	100.0	46.2	59.5	0.00	0.20	82.9	73.4	77.7	81.7	77.9	79.7
4	8.6	1.8	125.2	13.76	77.2	57.4	66.6	100.0	58.6	61.5	0.00	0.12	80.9	75.0	77.7	81.0	78.8	80.1
5	14.5	2.8	19.2	12.31	76.2	55.9	64.2	100.0	60.3	60.8	0.02	0.10	79.5	74.4	76.5	80.5	78.4	79.3
6	14.4	2.4	12.2	23.49	81.0	52.1	65.3	100.0	43.0	57.9	0.00	0.20	81.6	71.4	76.3	80.7	76.7	78.6
7	11.7	1.9	131.7	23.00	83.3	53.9	67.6	100.0	41.3	59.4	0.00	0.20	82.9	72.8	77.5	81.5	77.5	79.5
8	10.2	1.8	143.8	21.56	84.7	54.0	68.7	100.0	37.7	59.2	0.00	0.19	83.0	73.7	78.1	81.8	78.2	80.1
9	11.3	1.8	101.7	19.74	86.5	54.4	69.8	100.0	32.7	60.6	0.00	0.18	83.0	73.9	78.3	81.9	78.4	80.2
10	12.5	3.0	137.9	18.24	88.2	58.7	72.5	100.0	43.3	64.9	0.00	0.17	83.6	75.1	79.2	82.5	79.1	80.8
11	14.6	3.7	168.4	9.46	78.8	61.5	70.9	99.9	72.3	68.0	0.02	0.08	80.7	76.4	78.6	81.9	79.9	80.8
12	18.2	5.9	278.7	9.15	78.0	63.6	70.5	98.5	68.9	66.4	0.00	0.08	79.8	76.4	77.7	80.7	79.5	80.1
13	15.2	4.3	294.0	8.43	68.3	57.3	62.6	98.7	69.9	58.1	0.00	0.07	76.5	73.4	74.8	80.1	78.0	78.6
14	10.6	2.1	14.8	14.14	74.9	50.7	62.6	100.0	46.0	56.7	0.01	0.12	76.9	70.4	73.6	78.5	76.1	77.4
15	13.6	2.4	115.2	17.37	81.6	49.9	64.9	100.0	45.6	58.3	0.01	0.15	78.6	69.9	74.1	79.1	75.7	77.4
16	14.3	4.2	176.5	22.73	85.6	51.9	69.3	100.0	36.6	59.0	0.00	0.21	81.0	71.0	75.7	80.3	76.4	78.3
17	33.3	7.3	192.0	13.84	88.7	68.1	73.9	99.6	58.7	67.6	0.98	0.13	80.2	74.4	77.2	80.7	78.2	79.3
18	18.4	4.7	313.4	6.23	69.4	55.0	62.8	100.0	72.9	60.3	0.11	0.05	77.3	71.3	74.7	80.0	77.0	78.4
19	18.5	4.6	307.9	19.48	66.8	45.1	56.8	94.6	41.2	47.8	0.00	0.15	73.1	68.3	70.2	76.0	74.6	75.4
20	12.8	2.4	335.7	21.95	66.1	40.0	52.7	96.8	36.2	43.3	0.01	0.16	73.0	63.9	68.4	75.2	71.9	73.8
21	16.9	5.8	137.6	16.13	70.9	46.7	59.4	95.5	41.4	48.7	0.00	0.13	72.4	65.6	68.9	74.8	72.3	73.8
22	32.3	9.5	181.9	8.02	77.0	61.7	68.7	96.3	65.8	65.1	1.53	0.07	73.6	68.5	71.1	76.1	73.6	74.5
23	24.3	8.5	202.8	1.90	70.9	64.9	68.4	97.0	78.7	66.2	2.20	0.02	73.1	71.4	72.1	76.2	75.0	75.4
24	17.3	5.0	284.3	11.06	65.9	51.3	60.8	96.8	64.6	54.1	0.00	0.09	71.8	68.2	70.0	75.3	73.7	74.5
25	17.1	3.6	268.9	21.03	73.0	48.9	59.4	97.5	36.6	50.5	0.00	0.17	72.2	65.0	68.5	74.5	71.9	73.4
26	14.4	3.6	225.5	20.89	77.7	51.1	64.0	96.4	39.6	53.8	0.00	0.18	73.9	65.9	69.6	75.1	72.0	73.6
27	20.7	6.0	230.3	19.35	82.1	56.0	68.2	93.4	44.0	57.0	0.00	0.17	74.4	67.6	70.9	75.7	72.9	74.3
28	23.1	5.3	323.7	14.22	63.8	43.8	56.5	95.9	40.1	46.9	0.00	0.11	71.7	66.4	69.6	75.5	73.2	74.3
29	19.7	6.0	204.4	16.93	66.0	42.6	56.1	96.9	38.4	43.9	0.00	0.13	68.9	63.6	66.4	73.3	70.9	72.0
30	15.3	4.0	224.3	7.94	71.0	51.0	60.3	97.6	58.6	53.8	0.00	0.06	69.1	65.1	66.7	72.4	71.1	71.8
TOT				456.99							4.89	3.87						
AVG		4.2	224.6	15.23	76.2	54.2	64.9	98.3	51.8	58.0		0.13	77.2	70.9	73.9	78.5	76.0	77.2
MAX	33.3				88.7			100.0					83.6			82.5		
MIN						40.0			32.7					63.6			70.9	

Total Heating Degree Days : 71.3

Total Cooling Degree Days : 77.2

Total Hours of Wind > 8 mph : 102

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

DAY	MAX WIND SPEED MPH	AVG WIND SPEED MPH	DIR 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 SOIL TEMP øF 4"	MIN SOIL TEMP øF 4"	AVG SOIL TEMP øF 4"	MAX SOIL TEMP øF 8"	MIN SOIL TEMP øF 8"	AVG SOIL TEMP øF 8"
1	14.7	3.0	198.1	19.85	81.4	49.6	64.2	98.1	32.6	54.5	0.01	0.18	72.2	63.5	67.8	73.7	70.3	72.0
2	19.3	7.9	190.2	18.53	84.5	57.2	74.1	92.4	46.4	59.2	0.00	0.17	74.1	67.0	70.5	75.2	72.0	73.4
3	18.2	7.1	204.8	18.64	86.9	67.8	76.1	94.0	49.8	66.9	0.00	0.17	77.5	71.4	74.1	77.4	74.6	75.7
4	17.4	6.3	241.9	18.12	87.7	66.1	76.6	87.3	44.6	65.7	0.00	0.17	78.2	72.4	75.2	78.4	75.8	77.0
5	17.4	6.0	356.0	5.59	66.6	47.6	59.9	96.6	60.1	54.9	0.00	0.04	75.6	69.2	72.7	78.1	75.0	76.5
6	17.4	4.1	49.8	19.87	65.9	40.8	52.3	96.8	32.8	41.9	0.00	0.15	70.9	65.7	68.2	75.1	72.3	73.4
7	15.7	3.0	99.4	19.38	69.2	35.6	51.3	97.7	36.3	42.3	0.01	0.15	70.0	62.9	66.4	73.0	69.3	71.2
8	10.9	1.7	101.9	18.63	74.3	37.7	55.6	97.9	40.7	47.8	0.00	0.15	70.4	62.5	66.4	71.5	67.5	69.8
9	13.2	1.8	228.4	17.44	77.6	45.7	60.8	98.0	42.8	53.1	0.00	0.15	71.4	64.1	67.6	72.4	68.6	70.5
10	9.9	2.4	207.8	12.34	74.5	51.5	63.5	97.8	51.0	56.7	0.00	0.10	71.3	66.1	68.7	73.0	70.7	71.8
11	34.9	9.4	270.2	10.25	67.8	40.3	59.2	92.7	50.8	50.0	0.00	0.08	69.5	64.7	68.4	72.8	71.3	72.3
12	21.7	6.3	243.4	14.76	53.3	37.7	44.1	88.5	31.8	31.1	0.01	0.10	64.7	60.0	62.4	71.4	64.1	67.1
13	20.5	5.8	263.6	19.04	59.8	33.2	44.4	82.1	14.6	25.5	0.00	0.14	61.9	56.6	59.2	64.2	60.8	62.4
14	19.8	3.4	284.2	18.81	61.8	29.6	44.1	95.1	15.2	27.0	0.00	0.14	61.2	54.4	57.7	62.7	59.0	61.0
15	11.8	3.1	147.0	8.66	62.7	32.7	50.2	96.2	32.9	37.8	0.00	0.06	60.5	55.2	58.1	62.4	59.5	61.0
16	30.1	10.2	140.2	0.96	63.3	50.1	54.3	95.5	50.1	51.1	2.66	0.01	59.9	57.8	58.6	62.5	60.6	61.3
17	19.4	4.9	247.1	4.15	64.4	57.9	61.0	96.3	83.2	58.1	0.05	0.03	63.5	59.6	62.2	64.1	60.9	62.8
18	23.1	5.6	176.9	7.59	70.8	51.2	61.7	97.2	74.7	59.0	0.00	0.06	66.5	63.0	64.4	65.7	63.8	64.6
19	20.4	6.9	346.4	1.81	51.2	41.2	43.5	94.5	78.8	40.5	0.42	0.01	64.6	56.8	59.9	65.5	59.7	62.4
20	13.1	4.7	213.4	16.80	57.7	33.8	46.6	97.0	47.8	38.1	0.00	0.11	60.2	54.7	57.4	60.8	58.0	59.4
21	20.9	6.2	190.7	16.46	64.0	37.0	53.1	95.9	38.1	41.0	0.00	0.12	60.2	54.7	57.7	61.0	58.2	59.7
22	28.3	9.1	305.7	11.46	52.7	41.5	45.5	80.8	39.9	32.2	0.00	0.07	59.0	55.7	57.2	61.1	59.2	59.9
23	23.4	5.1	284.8	12.32	52.5	28.4	40.3	95.2	34.3	28.2	0.00	0.08	56.2	52.5	54.7	59.3	56.8	57.7
24	12.2	2.1	43.9	16.27	49.8	25.1	36.3	95.4	36.5	27.1	0.00	0.10	55.0	49.4	52.2	56.9	54.0	55.6
25	13.2	5.5	139.0	2.25	51.3	32.0	45.0	93.8	50.5	36.3	0.06	0.02	53.0	51.3	52.2	56.2	54.8	55.2
26	20.0	7.8	172.8	2.33	53.3	48.2	50.7	95.9	88.7	48.9	0.17	0.02	55.2	52.9	54.1	57.3	55.6	56.3
27	27.2	8.7	0.9	1.29	56.2	45.2	51.8	97.6	74.8	50.2	2.81	0.01	57.1	54.5	55.9	58.5	57.2	57.7
28	21.5	7.1	287.2	15.49	59.7	39.7	49.3	95.6	30.5	36.1	0.00	0.11	55.7	52.0	53.8	57.5	55.1	56.3
29	14.4	4.7	211.7	15.30	71.3	47.7	57.6	95.3	37.5	43.9	0.00	0.12	58.9	52.3	55.2	59.0	55.4	57.0
30	38.2	12.4	199.9	10.56	69.7	50.5	62.8	89.8	43.3	49.6	0.00	0.09	59.3	55.4	57.4	60.1	57.7	58.8
31	24.9	6.6	294.0	2.23	63.8	41.2	49.6	94.9	58.5	43.9	0.00	0.01	59.0	55.4	57.6	60.3	58.5	59.7
TOT				377.18							6.20	2.92						
AVG		5.8	231.5	12.17	65.3	43.3	54.4	94.3	46.8	45.1	0.09		64.3	59.2	61.7	66.0	63.1	64.5
MAX	38.2				87.7			98.1					78.2			78.4		
MIN						25.1			14.6					49.4			54.0	

Total Heating Degree Days : 361.0

Total Cooling Degree Days : 30.5

Total Hours of Wind > 8 mph : 194

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

DAY	MAX WIND SPEED MPH	AVG WIND SPEED MPH	DIR 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 SOIL TEMP øF 4"	MIN SOIL TEMP øF 4"	AVG SOIL TEMP øF 4"	MAX SOIL TEMP øF 8"	MIN SOIL TEMP øF 8"	AVG SOIL TEMP øF 8"
1	17.8	5.4	6.4	4.80	44.9	27.2	39.2	93.1	39.9	28.8	0.04	0.03	55.4	50.2	53.2	58.6	55.2	56.8
2	20.0	3.9	316.5	15.77	48.9	24.5	35.1	94.7	26.1	22.3	0.00	0.10	50.7	46.8	48.7	55.3	51.9	53.2
3	12.4	2.6	205.2	14.87	56.7	22.2	38.8	95.5	25.8	25.0	0.00	0.10	50.9	44.9	47.8	53.3	50.2	52.0
4	21.0	5.6	177.4	7.55	55.2	40.8	48.7	56.3	25.0	25.7	0.00	0.05	51.0	47.9	49.5	54.0	52.2	53.1
5	16.9	5.0	182.4	1.62	53.2	48.2	50.9	77.6	37.3	35.2	0.00	0.01	51.3	50.2	50.7	54.4	53.8	54.0
6	16.7	5.0	124.9	1.55	54.6	48.3	51.4	97.5	53.4	45.3	0.00	0.01	53.0	51.2	52.0	55.4	54.3	54.7
7	10.8	3.8	320.3	1.72	54.5	47.2	51.8	98.3	91.1	50.7	0.06	0.01	54.7	52.9	53.8	56.8	55.3	55.9
8	15.1	4.5	197.9	13.26	64.4	37.8	52.9	98.3	58.6	47.1	0.00	0.10	56.8	51.7	54.3	58.0	55.3	56.7
9	12.3	4.3	194.8	13.10	76.8	52.9	62.6	98.4	46.3	54.7	0.00	0.11	60.3	54.3	57.0	60.6	57.5	58.6
10	28.1	9.4	219.2	3.30	70.9	43.1	63.1	95.0	72.8	59.4	0.46	0.03	61.8	58.2	59.9	62.5	60.4	61.2
11	24.7	9.6	336.4	2.57	43.1	31.9	38.7	93.8	72.3	33.4	0.00	0.02	59.5	51.0	54.5	62.6	56.8	59.7
12	10.7	3.2	125.5	13.59	51.3	28.8	40.3	95.3	49.7	32.2	0.00	0.08	53.3	49.1	51.1	56.9	54.4	55.8
13	14.5	3.4	179.8	8.99	59.1	32.5	44.2	96.7	52.4	38.8	0.04	0.06	53.1	48.8	50.7	56.7	54.5	55.6
14	14.6	4.3	125.2	1.82	48.8	36.1	45.3	98.2	81.0	42.8	0.00	0.01	51.7	49.8	50.7	56.6	55.3	55.8
15	24.2	8.6	34.0	1.02	49.6	44.0	47.8	96.4	86.8	46.0	1.27	0.01	52.4	51.3	52.0	56.6	55.9	56.3
16	29.7	10.0	325.4	1.35	44.4	28.7	39.2	96.4	73.9	36.1	0.56	0.01	51.4	46.7	49.3	56.3	53.8	55.2
17	13.7	3.3	205.8	7.74	50.6	26.5	38.8	97.1	54.5	33.3	0.00	0.05	48.7	44.2	46.6	54.2	51.0	52.3
18	17.7	6.4	327.3	6.25	45.7	34.1	40.6	97.0	68.5	34.9	0.00	0.04	47.8	45.1	46.6	53.0	51.5	52.2
19	20.3	7.7	334.5	5.25	43.6	33.9	39.7	82.4	55.4	30.6	0.00	0.03	47.4	45.9	46.8	52.5	51.9	52.2
20	13.7	4.2	330.1	12.39	47.0	26.4	35.1	93.8	40.4	26.2	0.38	0.07	46.7	43.0	44.8	52.2	50.2	51.1
21	13.7	3.1	182.5	12.70	53.5	23.6	36.5	95.6	31.5	26.1	0.00	0.08	46.5	41.6	43.9	51.5	49.3	50.4
22	11.3	2.5	143.3	12.59	59.7	24.1	39.2	94.6	24.7	26.4	0.00	0.09	47.1	41.5	44.2	51.5	49.2	50.4
23	9.8	2.2	162.2	12.65	63.9	25.2	41.7	93.4	12.9	24.8	0.00	0.09	47.6	41.9	44.6	51.8	49.5	50.7
24	14.9	3.6	178.1	11.95	67.6	28.7	46.6	91.8	21.5	29.5	0.00	0.09	48.3	42.5	45.3	52.4	49.9	51.1
25	21.2	6.7	200.0	10.95	67.7	39.3	57.7	86.2	50.5	46.6	0.00	0.09	51.5	45.7	48.4	54.5	51.6	52.7
26	21.6	6.5	196.9	8.14	67.8	49.6	58.1	93.5	51.2	46.6	0.00	0.07	52.9	49.0	50.9	56.0	53.9	54.7
27	15.6	6.3	187.8	7.33	67.9	46.6	58.6	97.7	54.7	48.9	0.00	0.06	54.5	50.6	52.5	57.2	55.3	56.1
28	24.0	9.2	183.2	3.02	64.2	54.0	59.4	94.3	58.9	50.9	0.00	0.02	55.9	53.1	54.1	58.3	56.9	57.4
29	22.3	9.0	181.9	1.37	66.8	60.4	63.9	93.9	75.1	59.7	0.00	0.01	58.5	55.8	57.2	60.6	58.2	59.4
30	23.1	9.4	356.4	1.25	65.2	34.3	41.7	96.3	78.0	40.1	1.82	0.01	58.7	49.5	54.1	60.8	56.3	59.0
TOT				220.46							4.63	1.54						
AVG		5.6	218.2	7.35	56.9	36.7	46.9	93.0	52.3	38.3		0.05	52.6	48.5	50.5	56.0	53.7	54.8
MAX	29.7				76.8			98.4					61.8			62.6		
MIN						22.2			12.9					41.5			49.2	

Total Heating Degree Days : 545.6

Total Cooling Degree Days : 0.0

Total Hours of Wind > 8 mph : 178

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

DAY	MAX WIND SPEED MPH	AVG WIND SPEED MPH	DIR 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 SOIL TEMP 4" ØF	MIN SOIL TEMP 4" ØF	AVG SOIL TEMP 4" ØF	MAX SOIL TEMP 8" ØF	MIN SOIL TEMP 8" ØF	AVG SOIL TEMP 8" ØF
1	34.5	9.3	263.2	6.48	36.4	22.3	29.5	96.4	59.2	23.9	0.12	0.03	49.5	43.6	46.4	999.9M	999.9M	999.9M
2	9.3	1.9	342.6	11.93	41.3	19.7	29.1	95.1	45.7	23.0	0.00	0.06	44.4	41.2	42.8	999.9M	999.9M	999.9M
3	21.2	8.1	337.5	10.02	31.4	16.2	24.6	84.9	47.7	13.3	0.00	0.05	42.6	39.5	41.0	999.9M	999.9M	999.9M
4	20.9	6.8	216.9	11.55	36.8	13.2	25.9	89.0	42.8	14.9	0.00	0.06	39.6	37.9	38.3	999.9M	999.9M	999.9M
5	18.5	6.2	189.8	11.17	45.8	20.6	34.9	93.0	44.8	23.9	0.00	0.06	40.0	37.5	38.7	999.9M	999.9M	999.9M
6	20.1	7.9	251.1	8.38	50.9	27.3	40.6	88.5	43.1	26.6	0.00	0.05	42.8	39.1	40.6	999.9M	999.9M	999.9M
7	34.4	9.7	339.6	10.00	37.9	11.3	21.9	91.5	35.4	10.2	0.00	0.04	41.2	37.5	39.2	999.9M	999.9M	999.9M
8	16.6	4.3	210.9	11.83	29.8	7.0	19.4	86.8	28.7	6.3	0.00	0.05	37.9	36.1	36.5	999.9M	999.9M	999.9M
9	20.0	8.9	207.3	10.66	45.2	25.2	34.7	53.0	29.8	13.1	0.00	0.06	36.2	35.8	36.0	999.9M	999.9M	999.9M
10	23.6	8.7	198.1	3.97	50.1	34.1	42.8	42.5	26.3	16.5	0.00	0.03	38.5	36.1	37.0	999.9M	999.9M	999.9M
11	24.2	9.1	174.2	4.83	59.9	43.5	52.7	86.6	38.0	41.4	0.00	0.04	45.7	38.4	41.7	999.9M	999.9M	999.9M
12	19.2	7.6	197.5	3.05	60.8	36.8	54.5	97.3	73.2	51.6	0.72	0.02	50.9	45.6	48.7	999.9M	999.9M	999.9M
13	21.2	6.7	211.2	10.04	61.1	33.6	49.6	98.5	40.7	39.2	0.00	0.08	48.8	44.8	47.1	999.9M	999.9M	999.9M
14	24.9	9.5	212.6	8.34	61.0	45.9	53.6	78.9	50.4	42.8	0.00	0.06	49.8	46.5	48.2	999.9M	999.9M	999.9M
15	11.7	3.2	309.6	10.17	59.1	35.9	47.8	94.4	34.7	36.1	0.00	0.07	50.3	46.7	48.6	999.9M	999.9M	999.9M
16	26.1	8.6	193.2	2.65	64.3	34.7	54.5	96.5	65.0	48.7	0.00	0.02	51.5	46.2	48.6	999.9M	999.9M	999.9M
17	20.3	8.3	211.1	5.52	63.4	56.9	60.3	94.8	67.2	53.8	0.00	0.04	54.4	51.3	52.7	999.9M	999.9M	999.9M
18	16.6	5.5	356.7	1.76	61.2	43.3	47.1	96.8	56.9	41.2	0.01	0.01	54.1	50.7	52.5	999.9M	999.9M	999.9M
19	12.6	4.6	22.2	6.72	44.8	34.4	40.6	84.5	51.8	30.7	0.00	0.04	50.7	47.6	49.5	999.9M	999.9M	999.9M
20	8.6	3.9	100.3	2.34	48.6	36.2	43.0	95.2	76.4	39.7	0.22	0.01	48.7	46.6	47.7	999.9M	999.9M	999.9M
21	19.7	8.7	164.7	1.34	59.9	48.4	57.0	96.8	89.9	55.4	0.72	0.01	54.1	48.7	51.4	999.9M	999.9M	999.9M
22	16.3	5.8	260.2	9.93	57.5	35.9	48.2	95.3	49.4	40.8	0.17	0.07	54.2	49.9	52.9	999.9M	999.9M	999.9M
23	14.9	3.5	275.1	6.50	49.7	30.8	38.8	96.3	60.4	34.0	0.00	0.04	49.9	46.6	48.0	999.9M	999.9M	999.9M
24	12.2	2.9	71.1	7.86	49.2	27.0	39.4	97.1	57.8	33.8	0.00	0.05	47.2	43.4	45.7	999.9M	999.9M	999.9M
25	24.8	9.2	352.2	1.34	42.9	34.9	38.7	96.1	80.7	36.0	0.66	0.01	46.8	44.4	45.7	999.9M	999.9M	999.9M
26	22.7	7.3	317.9	3.66	38.0	27.3	33.1	94.6	63.1	27.3	0.01	0.02	44.5	41.2	43.0	999.9M	999.9M	999.9M
27	21.5	7.1	189.1	9.22	47.9	27.4	38.3	92.0	42.5	29.1	0.00	0.06	43.4	39.7	41.5	999.9M	999.9M	999.9M
28	22.4	7.4	186.8	10.12	55.4	38.2	45.7	90.5	46.3	34.2	0.00	0.07	45.9	41.7	43.7	999.9M	999.9M	999.9M
29	14.2	3.2	137.6	2.45	54.9	32.5	45.5	96.4	62.3	40.6	0.02	0.02	46.8	43.1	45.0	999.9M	999.9M	999.9M
30	20.4	5.5	108.8	1.92	58.4	42.3	50.7	95.9	72.5	46.6	0.08	0.01	49.0	45.5	46.9	999.9M	999.9M	999.9M
31	32.6	11.1	210.2	6.78	60.2	42.8	55.4	96.3	48.0	47.7	0.43	0.05	53.3	49.0	51.6	999.9M	999.9M	999.9M
TOT				212.53							3.16	1.29						
AVG		6.8	220.3	6.86	50.4	31.8	41.9	90.0	52.6	33.0		0.04	46.9	43.3	45.1	999.9M	999.9M	999.9M
MAX	34.5				64.3			98.5					54.4			999.9M		
MIN						7.0			26.3					35.8			999.9M	

Total Heating Degree Days : 740.4

Total Cooling Degree Days : 0.0

Total Hours of Wind > 8 mph : 307

Illinois Climate Network (ICN)
 January 2007
 Monthly Summary for Carbondale

DAY	MAX WIND SPEED MPH	AVG WIND SPEED MPH	DIR 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 SOIL TEMP 4" ØF	MIN SOIL TEMP 4" ØF	AVG SOIL TEMP 4" ØF	MAX SOIL TEMP 8" ØF	MIN SOIL TEMP 8" ØF	AVG SOIL TEMP 8" ØF
1	25.4	7.9	288.5	3.77	42.8	25.8	35.8	95.5	61.0	28.6	0.01	0.02	50.4	43.7	46.9	47.6E	43.9E	45.5E
2	8.2	1.6	167.1	10.97	49.7	22.5	32.9	95.7	49.9	27.5	0.00	0.06	45.1	40.7	42.8	44.4E	41.7E	42.8E
3	20.4	6.3	208.6	10.53	48.2	23.3	37.9	97.4	60.1	31.8	0.00	0.06	43.8	39.9	42.1	43.1E	40.8E	41.9E
4	20.0	9.4	194.5	1.71	56.3	44.3	49.1	96.2	68.7	44.2	0.13	0.01	47.6	43.3	45.0	44.2E	41.9E	42.8E
5	13.8	4.2	237.5	2.33	55.1	51.9	53.2	97.9	90.7	52.0	0.18	0.02	51.1	47.6	49.6	46.7E	43.7E	45.3E
6	19.3	5.0	324.6	7.44	52.5	34.6	45.1	96.7	65.7	41.0	0.02	0.05	51.3	48.0	50.2	47.0E	45.7E	46.4E
7	24.8	6.0	310.3	1.52	43.7	34.9	41.0	97.1	58.1	38.5	0.30	0.01	48.0	46.1	47.3	46.2E	44.2E	45.0E
8	26.5	8.7	235.2	9.70	45.6	30.4	39.0	75.4	36.6	25.2	0.00	0.06	46.1	42.5	44.1	44.8E	42.1E	43.2E
9	31.9	10.6	301.4	7.28	45.3	26.1	39.0	85.7	44.8	25.7	0.00	0.05	44.0	41.3	43.0	42.9E	41.4E	42.1E
10	23.0	6.9	175.8	11.99	45.4	21.6	34.7	92.4	36.5	21.4	0.00	0.07	42.0	38.9	40.5	42.0E	39.7E	40.6E
11	33.7	13.7	189.2	4.50	55.6	36.9	47.1	71.0	41.4	31.3	0.00	0.03	44.4	39.5	41.4	41.9E	39.6E	40.5E
12	25.8	11.0	212.3	0.97	60.8	36.8	54.1	96.3	63.7	50.7	0.21	0.01	50.6	44.3	47.8	45.7E	41.3E	43.5E
13	13.9	5.0	352.5	1.34	38.9	34.0	36.1	97.7	94.2	35.2	0.88	0.01	49.3	44.7	46.0	45.7E	42.4E	43.9E
14	16.6	3.8	343.8	1.33	46.4	37.7	41.2	98.1	96.9	40.5	0.85	0.01	46.1	44.5	45.1	43.2E	42.0E	42.6E
15	23.1	9.4	295.9	1.34	43.3	23.2	34.2	97.7	74.0	30.6	0.58	0.01	46.2	41.0	44.2	43.3E	40.9E	42.4E
16	14.5	8.4	338.6	4.74	22.9	17.7	21.0	76.7	65.0	13.5	0.00	0.02	37.2	36.3E	38.1	41.4E	38.1E	39.6E
17	12.9	4.3	113.1	11.15	34.3	20.4	27.5	78.5	52.1	18.0	0.00	0.05	36.3	35.5	36.0	38.5	37.3	37.8
18	23.6	9.1	233.5	7.68	42.3	31.5	35.4	77.5	62.6	27.0	0.00	0.04	38.7	35.9	37.0	38.6	37.2	37.8
19	22.2	5.2	287.2	11.71	41.7	25.5	31.8	82.1	33.7	19.6	0.00	0.06	38.5	35.9	37.0	38.6	37.4	37.9
20	16.6	4.3	95.3	8.51	39.1	21.6	32.0	94.2	42.1	22.6	0.00	0.04	37.1	35.3	36.1	38.1	36.7	37.2
21	15.4	4.6	175.6	1.52	40.4	32.2	36.7	96.8	85.3	35.2	0.49	0.01	38.6	36.3	37.4	38.6	37.2	37.8
22	17.7	6.1	306.9	1.88	38.5	31.1	34.2	94.3	67.0	28.9	0.01	0.01	38.5	37.4	38.3	38.7	38.3	38.7
23	17.2	6.9	228.1	12.55	42.9	30.5	35.4	83.1	50.1	26.1	0.00	0.07	40.0	36.5	37.9	39.2	37.6	38.3
24	13.3	3.7	320.3	9.78	43.3	28.1	34.9	92.9	56.5	28.4	0.00	0.05	40.7	36.8	38.5	39.6	37.8	38.7
25	24.8	6.1	336.5	11.21	36.7	21.6	31.3	90.5	48.2	22.6	0.00	0.06	40.5	37.4	38.7	39.6	38.5	39.0
26	26.9	9.5	213.2	12.90	52.9	20.9	39.4	93.0	47.1	28.8	0.00	0.08	39.8	35.7	37.6	39.3	37.1	38.1
27	23.3	8.8	291.2	4.45	43.5	27.3	37.6	76.9	42.6	25.9	0.00	0.03	39.8	37.5	38.8	39.5	38.8	39.2
28	25.1	10.0	309.7	10.75	27.3	11.6	18.5	82.6	38.0	4.8	0.00	0.04	37.6	34.5	35.6	38.9	36.1	37.2
29	22.2	7.5	212.8	12.46	41.3	10.2	28.0	86.9	38.1	14.4	0.00	0.07	34.7	33.8	34.0	36.5	35.1	35.6
30	22.7	9.3	315.5	13.26	35.0	10.6	21.2	75.8	36.4	5.5	0.00	0.05	33.9	33.6	33.8	35.2	34.8	35.1
31	14.3	4.5	195.6	10.49	26.4	6.1	18.3	92.7	43.5	8.1	0.00	0.04	33.7	33.2	33.3	34.9	34.3	34.5
TOT				221.76							3.66	1.20						
AVG		7.0	258.8	7.15	43.2	26.8	35.6	89.2	56.5	27.5		0.04	42.3	39.3	40.8	41.4	39.5	40.3
MAX	33.7				60.8			98.1					51.3			47.6E		
MIN						6.1			33.7					33.2			34.3	

Total Heating Degree Days : 930.6

Total Cooling Degree Days : 0.0

Total Hours of Wind > 8 mph : 288

Illinois Climate Network (ICN)
 February 2007
 Monthly Summary for Carbondale

DAY	MAX WIND SPEED MPH	AVG WIND SPEED MPH	DIR 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
1	10.6	2.9	276.3	3.98	27.9	21.6	24.8	93.9	74.2	21.0	0.00	0.02	33.3	33.1	33.3	34.7	33.9	34.3
2	22.6	6.3	298.5	11.37	26.4	6.2	20.3	88.2	29.5	8.6	0.00	0.05	33.3	33.2	33.3	34.3	34.1	34.2
3	23.2	10.0	277.4	14.25	29.6	14.0	22.5	84.0	25.5	3.9	0.00	0.07	33.8	33.1	33.1	34.7	33.6	34.0
4	19.9	6.6	286.1	14.96	30.8	6.4	20.5	76.4	33.4	3.6	0.00	0.07	33.4	32.7	33.1	34.4	33.8	33.8
5	14.4	4.7	35.7	5.48	18.9	8.5	13.6	62.9	41.0	-1.3	0.00	0.02	33.5	32.6	32.7	34.0	33.5	33.6
6	23.7	8.1	202.9	9.28	46.1	16.1	30.4	75.0	39.7	16.9	0.02	0.05	32.8	32.2	32.5	33.8	33.4	33.4
7	19.2	6.9	12.1	7.42	25.8	13.9	20.3	75.2	46.4	9.1	0.01	0.03	32.7	32.6	32.7	33.5	33.3	33.4
8	13.7	5.6	0.9	12.93	29.8	19.0	23.5	60.7	26.5	4.6	0.00	0.06	32.7	32.5	32.5	33.4	33.3	33.4
9	14.7	5.7	351.4	7.58	29.0	20.8	23.7	47.4	22.4	-1.5	0.00	0.04	32.9	32.2	32.5	33.5	32.9	33.3
10	17.0	4.5	344.5	15.45	32.7	18.4	24.4	71.2	18.5	0.0	0.00	0.07	32.7	32.5	32.5	33.4	33.2	33.3
11	16.7	4.8	197.3	14.25	45.7	20.3	33.8	75.7	30.3	13.6	0.00	0.08	33.0	32.1	32.5	33.5	33.2	33.3
12	12.0	3.2	98.3	1.51	39.1	33.2	36.7	97.3	50.5	31.6	0.89	0.01	32.7	32.5	32.5	33.3	33.1	33.3
13	30.5	9.1	352.8	1.08	37.2	22.1	30.9	97.9	71.7	28.4	0.85	0.01	32.7	32.6	32.7	33.5	33.0	33.3
14	24.5	10.2	351.0	12.32	23.7	15.8	19.9	84.9	64.4	12.9	0.00	0.05	32.9	32.6	32.7	33.4	33.1	33.3
15	17.5	6.7	347.1	14.12	21.4	11.8	16.0	75.0	53.4	6.8	0.00	0.05	33.4	32.5	32.7	33.7	33.0	33.3
16	28.0	9.0	211.3	16.40	29.6	8.6	19.8	95.0	48.1	10.2	0.00	0.07	33.1	32.3	32.5	33.6	32.8	33.3
17	30.0	11.1	279.9	3.97	32.1	20.7	27.9	94.9	61.7	21.0	0.01	0.02	32.6	32.5	32.5	33.4	32.9	33.1
18	16.3	5.7	248.9	16.68	42.2	15.1	28.9	87.1	51.4	20.1	0.00	0.08	32.6	32.0	32.5	33.3	33.0	33.1
19	41.5	15.7	208.2	12.84	54.0	35.7	45.7	71.9	39.9	29.8	0.00	0.09	32.6	32.5	32.5	33.8	32.7	33.1
20	24.5	9.2	214.0	8.69	64.5	45.1	53.6	88.3	61.3	46.6	0.00	0.07	36.5	32.5	34.2	34.7	33.0	33.4
21	10.7	3.4	315.3	16.89	62.3	34.7	48.2	90.1	32.9	36.7	0.00	0.12	43.3	35.7	39.0	39.5	34.6	36.7
22	24.0	7.4	324.0	17.73	54.8	28.5	45.9	86.5	29.3	29.1	0.00	0.12	43.6	38.6	40.8	40.9	38.3	39.4
23	18.8	5.9	113.7	16.75	53.8	27.4	40.3	90.7	26.8	25.2	0.00	0.11	42.5	37.1	39.7	40.5	38.0	39.4
24	33.3	11.7	128.2	0.57	50.4	38.8	44.2	94.7	38.7	34.2	1.55	0.01	41.3	38.7	39.4	40.1	38.8	39.2
25	31.0	12.2	246.0	3.63	51.6	37.7	43.9	91.6	53.9	33.8	0.00	0.03	41.9	39.8	41.4	41.1	39.8	40.6
26	14.0	4.6	253.1	6.36	44.2	28.0	36.3	96.2	55.8	28.6	0.00	0.04	41.3	38.3	39.6	40.3	39.0	39.6
27	11.5	3.1	49.2	18.32	52.4	24.2	38.5	97.2	41.8	29.1	0.00	0.11	43.8	36.6	39.7	41.2	37.8	39.4
28	31.1	11.2	153.0	12.07	66.9	35.2	52.5	82.5	37.3	37.0	0.00	0.09	45.7	39.4	42.3	43.4	39.7	41.0
TOT				296.88							3.33	1.64						
AVG		7.3	270.8	10.60	40.1	22.4	31.7	83.3	43.1	19.3		0.06	35.9	34.1	34.9	35.8	34.7	35.2
MAX	41.5				66.9			97.9					45.7			43.4		
MIN						6.2			18.5					32.0			32.7	

Total Heating Degree Days : 944.7

Total Cooling Degree Days : 0.0

Total Hours of Wind > 8 mph : 247

Illinois Climate Network (ICN)

March 2007

Monthly Summary for Carbondale

DAY	MAX WIND SPEED MPH	AVG WIND SPEED MPH	DIR 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 SOIL TEMP øF	MIN SOIL TEMP øF	AVG SOIL TEMP øF	MAX SOIL TEMP øF	MIN SOIL TEMP øF	AVG SOIL TEMP øF
1	35.1	14.7	221.5	7.73	65.9	42.1	56.7	93.9	19.7	41.9	0.12	0.07	50.1	45.2	47.3	47.0	43.3	45.1
2	36.0	14.3	256.9	18.46	55.3	39.7	46.6	49.2	16.9	19.0	0.00	0.13	45.6	41.6	43.7	45.6	42.5	43.7
3	30.1	12.1	288.3	11.39	41.6	29.4	33.4	84.4	39.9	17.4	0.00	0.06	42.8	38.9	40.6	43.4	40.4	41.5
4	21.1	6.5	294.2	20.00	44.4	20.5	30.0	73.0	20.7	13.6	0.00	0.10	41.4	36.7	38.8	40.4	38.4	39.4
5	18.9	6.3	309.3	19.57	63.5	24.9	45.0	79.0	23.7	26.1	0.00	0.14	44.3	36.5	40.1	41.8	37.9	39.6
6	15.5	5.6	91.6	18.25	54.7	29.0	40.5	81.9	33.4	27.1	0.00	0.11	45.3	38.9	42.1	42.9	39.8	41.4
7	19.6	8.3	331.3	18.81	60.9	34.2	49.6	76.8	33.9	32.0	0.00	0.14	47.7	41.5	44.2	44.8	41.6	43.0
8	10.1	3.9	59.6	19.21	58.2	28.0	42.1	87.1	36.9	29.7	0.00	0.12	47.8	40.5	44.1	45.0	41.6	43.3
9	28.6	6.6	210.1	14.37	72.2	30.4	54.9	95.1	27.8	38.3	0.00	0.12	48.4	41.5	45.1	46.2	42.3	44.1
10	15.8	4.6	5.0	16.95	64.6	38.7	54.7	95.7	24.4	39.7	0.00	0.13	52.4	46.9	49.3	48.9	46.0	47.1
11	15.9	4.0	82.6	17.78	62.0	31.8	47.7	93.6	19.1	29.1	0.00	0.13	50.3	44.9	47.7	48.3	45.6	46.9
12	17.7	5.2	206.0	17.57	73.9	33.3	57.2	87.5	19.9	37.2	0.00	0.14	51.8	44.6	48.2	49.0	45.4	47.1
13	22.7	7.4	211.4	9.48	73.4	52.0	65.1	93.6	53.0	55.9	0.00	0.08	54.1	49.0	51.6	51.6	48.3	49.6
14	17.2	5.4	205.0	7.21	68.3	55.2	63.1	98.2	84.5	60.8	0.32	0.06	57.2	53.1	55.0	54.1	51.5	52.5
15	26.5	8.5	19.3	3.21	61.7	42.7	47.1	98.7	68.8	43.9	0.16	0.02	55.9	50.4	52.9	54.1	50.7	52.5
16	26.5	8.9	348.5	21.22	49.0	29.8	39.7	88.5	41.1	28.9	0.00	0.13	51.1	47.0	48.9	50.8	48.1	49.3
17	11.1	2.9	316.8	8.37	40.6	24.3	32.9	94.4	48.3	25.5	0.00	0.04	47.1	43.7	45.3	48.5	45.4	46.4
18	16.8	5.6	138.4	22.17	52.5	23.7	39.7	95.2	29.0	23.4	0.00	0.14	48.1	41.4	44.6	46.5	43.4	45.0
19	27.1	8.8	212.6	8.10	65.3	46.0	57.6	94.0	40.3	47.5	0.06	0.06	51.3	45.1	47.8	49.2	45.3	46.8
20	14.2	4.9	63.6	5.89	58.6	51.4	55.2	95.6	48.1	45.9	0.00	0.04	52.3	50.2	51.3	50.5	49.1	49.8
21	31.6	11.3	195.4	17.90	75.5	53.4	67.5	96.9	40.8	53.4	0.00	0.16	56.8	51.0	53.8	53.8	50.1	51.4
22	26.2	10.0	205.7	4.38	73.3	61.7	66.6	93.9	52.9	56.3	0.25	0.04	57.3	54.7	55.8	54.8	53.1	53.8
23	17.2	5.0	203.8	5.70	74.2	57.0	65.3	97.6	56.6	57.7	0.00	0.05	58.1	55.3	56.5	55.7	54.1	54.7
24	19.2	4.5	198.7	17.79	80.1	52.7	66.2	98.5	39.3	55.8	0.00	0.16	61.1	55.1	57.9	57.7	54.5	55.9
25	21.7	6.1	202.6	19.47	81.9	51.0	69.6	96.5	43.0	55.4	0.00	0.18	62.0	56.0	59.0	58.8	55.6	57.2
26	22.1	6.0	213.8	12.69	80.0	60.6	71.2	84.7	36.5	55.8	0.00	0.12	62.8	57.9E	60.6	67.4	58.5	58.5
27	24.9	6.0	175.2	18.93	80.2	54.1	68.4	95.4	28.7	54.0	0.00	0.17	63.3	58.4	60.8	60.4	57.9	59.2
28	15.7	5.8	161.9	13.40	73.5	60.5	66.2	97.2	72.4	61.9	0.07	0.11	64.1	60.2	62.1	61.3	59.2	60.1
29	14.3	3.4	84.5	12.90	78.4	58.3	66.0	98.6	58.1	62.4	0.02	0.11	64.3	60.9	62.6	61.9	60.0	61.0
30	26.8	3.8	45.2	11.64	80.0	54.8	65.3	98.8	55.1	61.9	0.51	0.10	64.5	60.4	62.6	62.2	60.0	61.2
31	30.4	10.6	182.9	9.11	71.3	60.2	66.6	95.9	65.0	61.3	0.07	0.08	64.0	62.3	63.1	62.2	61.1	61.7
TOT				429.65							1.58	3.24						
AVG		7.0	222.2	13.86	65.7	42.9	54.8	90.6	41.2	42.5	0.10		53.7	48.7	51.1	51.8	48.7	50.0
MAX	36.0				81.9			98.8					64.5			67.4		
MIN						20.5			16.9					36.5			37.9	

Total Heating Degree Days : 353.6

Total Cooling Degree Days : 21.8

Total Hours of Wind > 8 mph : 270

Illinois Climate Network (ICN)
 April 2007
 Monthly Summary for Carbondale

DAY	MAX WIND SPEED MPH	AVG WIND SPEED MPH	DIR 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
1	26.8	8.7	208.9	24.04	74.6	50.1	64.2	96.1	31.3	49.5	0.00	0.21	63.9	59.8	61.9	61.8	59.8	61.0
2	20.0	5.7	192.8	24.23	80.7	47.7	67.6	96.8	26.0	50.9	0.00	0.21	65.0	58.9	61.9	62.1	59.2	60.6
3	30.5	10.5	238.1	15.45	79.5	48.7	66.2	96.5	61.2	57.4	0.94	0.14	65.1	61.0	62.8	62.5	60.5	61.5
4	23.8	9.3	325.2	22.66	48.7	34.2	40.8	76.2	42.9	28.8	0.00	0.14	61.8	55.8	58.3	61.7	57.3	59.0
5	20.8	6.4	340.6	19.02	43.7	30.4	36.1	79.0	47.1	25.3	0.00	0.10	55.8	52.1	54.0	57.4	54.0	55.2
6	27.2	8.9	326.6	16.08	38.7	25.4	34.2	69.2	34.3	17.1	0.00	0.09	53.0	48.4	50.9	54.4	50.9	52.5
7	23.3	7.8	311.7	22.49	39.0	22.8	30.4	86.3	28.8	12.2	0.00	0.12	49.7	45.4	47.5	50.9	48.1	49.3
8	20.0	4.4	282.8	24.27	49.8	22.7	35.8	89.7	25.6	19.2	0.00	0.14	50.6	44.2	47.1	49.6	46.1	48.0
9	20.3	4.2	306.1	25.80	53.1	23.8	39.7	94.3	19.1	21.2	0.00	0.17	51.7	44.8	48.0	50.1	46.8	48.4
10	24.0	7.1	132.5	15.15	58.4	28.8	46.4	94.1	26.2	30.6	0.06	0.11	50.7	46.4	48.7	49.9	47.8	48.9
11	41.6	13.1	243.4	13.38	64.9	47.3	54.7	96.7	39.6	44.8	0.14	0.11	54.1	49.9	51.8	52.4	49.7	50.9
12	33.9	10.5	298.2	15.00	52.1	34.0	44.4	88.4	41.1	29.8	0.00	0.10	52.4	49.2	50.7	51.9	50.0	50.9
13	22.3	4.1	93.8	7.62	49.2	31.0	39.9	96.1	45.2	34.7	0.85	0.05	50.2	47.6	48.9	50.8	48.9	49.5
14	25.8	9.1	21.0	2.29	43.4	37.8	41.2	96.9	78.2	38.8	0.53	0.01	48.3	46.6	47.7	49.2	47.7	48.4
15	28.6	9.3	346.0	25.97	58.2	37.6	45.7	87.2	29.0	30.9	0.00	0.18	52.1	45.4	48.2	50.0	46.5	48.0
16	20.3	5.5	316.2	26.84	69.9	40.1	54.7	90.5	25.9	37.4	0.00	0.21	55.8	47.0	51.1	52.6	48.0	49.8
17	11.8	2.7	221.2	19.05	75.0	38.5	59.0	95.3	23.2	42.8	0.00	0.16	57.9	49.9	54.0	54.6	50.5	52.3
18	20.8	6.8	344.3	25.37	65.1	45.1	58.8	87.0	29.3	41.4	0.00	0.20	59.7	54.6	56.7	56.6	53.8	54.9
19	19.4	5.2	35.3	26.52	61.6	38.3	51.1	96.8	44.0	41.0	0.00	0.19	59.5	53.1	56.1	56.6	53.5	55.0
20	12.1	2.8	74.1	25.88	69.8	36.4	54.3	97.8	34.5	42.1	0.00	0.20	61.0	52.9	56.8	57.6	53.7	55.6
21	15.8	4.0	169.2	27.16	77.0	40.7	60.4	96.7	26.9	44.4	0.00	0.23	63.0	54.5	58.5	59.1	55.0	56.8
22	30.2	10.3	190.7	26.09	78.4	48.0	68.0	92.6	33.9	48.6	0.00	0.24	63.1	56.8	59.9	60.0	56.7	58.3
23	22.8	9.5	220.7	19.20	82.0	66.1	73.8	72.1	42.4	57.9	0.00	0.17	65.4	60.0	62.6	62.1	59.0	60.3
24	24.1	7.1	176.6	18.79	80.4	59.3	71.6	89.0	56.0	60.4	0.01	0.17	66.9	61.8	64.4	63.6	60.9	62.1
25	29.5	10.8	200.2	17.51	76.0	62.1	68.2	95.0	52.3	60.3	0.15	0.15	68.1	64.2	65.8	64.9	62.7	63.7
26	24.8	10.4	238.5	16.14	70.7	53.7	62.4	90.7	49.4	54.3	0.00	0.13	66.7	63.3	64.9	64.4	62.9	63.7
27	21.5	7.4	280.0	22.85	71.2	52.2	60.6	88.6	31.5	45.9	0.00	0.18	65.9	61.0	63.3	63.3	61.1	62.2
28	19.3	4.7	295.1	24.80	77.0	50.5	63.1	97.8	29.2	51.1	0.01	0.21	67.1	61.1	64.0	64.0	61.2	62.6
29	19.1	5.1	264.6	27.64	84.8	48.6	69.8	94.5	25.9	50.0	0.00	0.25	68.5	60.7	64.4	64.9	61.1	62.8
30	19.9	5.8	214.2	27.87	87.1	56.8	75.7	82.4	26.0	52.0	0.00	0.26	70.8	63.0	66.6	66.5	62.7	64.4
TOT				625.16							2.69	4.83						
AVG		7.2	263.9	20.84	65.3	42.0	54.6	90.3	36.9	40.7		0.16	59.5	54.0	56.6	57.5	54.5	55.9
MAX	41.6				87.1			97.8					70.8			66.5		
MIN						22.7			19.1					44.2			46.1	

Total Heating Degree Days : 367.2

Total Cooling Degree Days : 26.6

Total Hours of Wind > 8 mph : 324

Illinois Climate Network (ICN)

May 2007

Monthly Summary for Carbondale

DAY	MAX WIND SPEED MPH	AVG WIND SPEED MPH	DIR 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 SOIL TEMP øF 4"	MIN SOIL TEMP øF 4"	AVG SOIL TEMP øF 4"	MAX SOIL TEMP øF 8"	MIN SOIL TEMP øF 8"	AVG SOIL TEMP øF 8"
1	21.6	6.0	222.2	18.73	84.6	64.5	74.7	85.4	40.1	58.5	0.00	0.17	70.7	65.3	67.8	67.1	64.5	65.8
2	13.9	2.7	145.2	4.83	68.6	60.4	64.8	98.0	85.2	63.3	1.01	0.04	68.1	66.0	67.1	66.7	65.2	65.8
3	17.5	5.4	106.7	3.94	68.2	64.2	66.0	98.2	94.6	65.1	0.62	0.03	67.1	66.1	66.6	65.9	65.2	65.5
4	20.1	5.1	163.9	10.20	74.9	63.2	66.7	98.3	69.0	64.4	0.54	0.09	69.2	65.9	67.1	66.6	65.0	65.7
5	12.5	3.1	116.2	15.88	80.9	59.1	70.5	99.0	64.1	66.2	0.00	0.14	72.1	65.6	68.7	68.5	65.1	66.6
6	20.8	8.8	93.3	23.68	79.7	64.4	71.2	95.9	51.1	61.5	0.00	0.21	73.2	67.8	70.2	69.6	66.9	68.2
7	19.9	5.7	179.7	24.95	83.1	51.9	70.2	94.9	51.9	59.4	0.00	0.22	73.3	66.4	69.8	69.6	66.5	68.0
8	10.7	3.3	227.1	24.74	85.7	63.3	73.9	97.9	49.4	66.2	0.00	0.22	76.0	68.8	72.1	71.7	68.0	69.6
9	13.9	2.7	319.3	26.48	84.4	64.6	73.9	98.2	45.4	65.8	0.00	0.24	77.2	70.6	73.8	73.1	69.7	71.2
10	24.3	2.6	218.3	13.13	82.7	64.8	71.1	97.7	58.8	66.9	0.12	0.12	76.5	71.6	73.6	72.7	70.6	71.6
11	12.3	2.8	350.6	12.66	76.2	65.3	70.2	98.5	66.9	66.4	0.01	0.11	74.7	71.5	73.0	72.1	70.6	71.4
12	16.6	3.7	349.4	27.45	83.5	59.5	71.2	98.9	44.8	62.8	0.00	0.25	76.7	70.4	73.2	73.0	69.9	71.4
13	16.6	4.6	74.1	28.54	78.1	55.9	67.5	96.5	32.8	52.3	0.00	0.25	75.3	69.7	72.3	72.2	69.6	71.1
14	12.8	3.5	177.6	29.48	83.6	50.7	68.5	96.3	21.3	50.2	0.00	0.26	75.5	68.2	71.6	71.9	68.6	70.3
15	36.2	7.6	234.7	23.90	85.3	57.7	70.0	96.6	39.1	58.3	0.21	0.22	74.5	69.0	71.4	71.3	69.0	70.2
16	21.7	6.7	338.9	28.39	69.3	50.8	59.5	95.5	33.7	48.9	0.01	0.23	72.2	67.5	69.6	70.6	68.0	69.1
17	23.4	7.4	349.3	27.27	63.5	42.9	56.1	95.4	38.9	43.2	0.00	0.21	69.1	65.0	66.9	68.7	66.1	67.1
18	16.4	3.1	79.1	30.48	70.0	39.2	54.9	97.9	27.7	40.6	0.00	0.24	70.4	61.7	65.7	67.3	63.5	65.3
19	17.6	3.7	212.8	30.51	74.5	41.0	59.5	98.2	26.6	43.9	0.00	0.25	70.7	62.1	66.2	67.3	63.6	65.5
20	14.6	3.6	224.7	30.55	79.6	48.0	64.2	94.8	25.3	47.1	0.00	0.27	72.2	63.2	67.3	68.2	64.1	66.0
21	18.6	4.4	174.0	30.06	81.7	47.6	67.1	95.8	27.5	50.2	0.00	0.27	73.0	64.2	68.4	69.0	65.0	66.9
22	21.4	5.9	166.2	25.07	85.3	54.8	72.3	94.1	29.8	54.5	0.00	0.23	73.7	66.7	70.0	70.0	66.7	68.2
23	20.6	6.2	167.8	26.38	86.3	58.0	74.1	91.6	28.6	56.5	0.00	0.25	74.8	67.7	71.1	71.0	67.6	69.3
24	24.3	6.9	178.5	25.16	84.3	64.3	74.1	85.7	45.3	59.7	0.00	0.23	75.1	68.8	71.8	71.4	68.6	70.0
25	16.7	5.0	202.5	23.45	85.0	63.3	73.2	96.9	41.2	63.1	0.08	0.21	76.8	69.7	73.0	72.5	69.3	70.9
26	19.9	2.8	208.0	17.63	83.2	63.3	72.0	98.1	52.2	66.4	0.01	0.16	77.3	71.0	74.1	73.1	70.4	71.8
27	18.0	2.9	209.3	18.41	83.2	61.4	71.8	98.8	53.4	66.2	0.00	0.16	76.9	71.0	74.1	73.3	70.7	72.1
28	13.2	3.4	173.3	25.59	86.1	66.2	75.4	96.1	34.4	64.8	0.00	0.24	79.6	72.4	75.6	74.9	71.5	73.0
29	16.5	4.6	145.7	25.83	87.3	60.2	75.2	98.1	35.8	61.9	0.00	0.24	79.5	71.8	75.6	75.2	71.6	73.4
30	24.1	5.0	188.8	19.80	81.1	63.7	71.6	95.1	51.2	63.9	0.00	0.18	78.0	72.7	75.2	74.4	72.2	73.4
31	18.6	5.7	160.0	11.77	76.5	64.3	70.2	98.4	70.3	65.7	0.03	0.10	76.0	73.0	74.1	73.7	72.2	72.9
TOT				684.94							2.64	6.04						
AVG		4.7	175.8	22.09	79.9	58.0	69.1	96.2	46.3	58.8		0.19	74.1	68.1	70.9	70.7	67.9	69.3
MAX	36.2				87.3			99.0					79.6			75.2		
MIN						39.2			21.3					61.7			63.5	

Total Heating Degree Days : 36.5

Total Cooling Degree Days : 158.9

Total Hours of Wind > 8 mph : 124

Illinois Climate Network (ICN)
 June 2007
 Monthly Summary for Carbondale

DAY	MAX WIND SPEED MPH	AVG WIND SPEED MPH	DIR 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
1	23.9	4.3	179.2	21.23	83.7	61.8	73.4	99.0	61.8	68.0	0.00	0.19	77.0	70.9	74.1	73.8	71.0	72.3
2	22.4	3.5	213.7	24.95	86.1	63.2	74.7	98.4	46.4	65.7	0.06	0.23	78.5	71.6	75.0	74.7	71.4	73.0
3	24.7	6.3	279.5	27.42	80.2	63.0	71.6	98.1	42.3	61.2	0.06	0.25	77.2	72.6	74.8	74.2	72.3	73.2
4	22.4	7.6	281.7	26.11	80.0	62.0	71.4	91.7	45.6	59.5	0.00	0.23	76.1	70.9	73.4	73.3	71.0	72.1
5	19.1	5.1	299.3	30.12	82.2	57.6	70.2	95.2	36.1	57.9	0.00	0.27	77.7	70.2	73.8	74.0	70.5	72.1
6	18.4	5.8	173.7	27.29	88.2	54.1	73.9	98.0	44.6	61.3	0.00	0.25	79.1	69.6	74.3	74.7	70.3	72.3
7	33.7	12.7	199.5	27.77	88.6	74.6	82.0	71.7	49.7	66.7	0.00	0.27	79.8	73.2	76.3	75.7	72.3	73.9
8	33.4	7.0	251.7	12.24	82.2	59.8	73.6	97.7	58.7	67.5	0.48	0.11	77.1	73.7	75.7	75.1	73.4	74.3
9	11.6	2.2	285.4	31.12	82.3	54.6	68.2	98.8	36.9	57.2	0.00	0.27	79.0	70.1	74.5	75.1	70.8	73.0
10	16.8	2.9	93.1	18.22	80.8	55.3	69.3	98.6	39.9	59.9	0.00	0.16	76.3	71.0	73.9	74.2	71.5	72.9
11	9.3	1.7	89.6	9.58	79.3	62.0	70.0	98.1	52.9	63.9	0.00	0.08	75.4	72.2	73.4	73.3	71.7	72.5
12	17.7	3.7	90.8	30.29	86.4	59.1	72.9	98.8	32.1	59.7	0.00	0.28	78.3	70.4	74.3	74.6	70.6	72.5
13	13.6	3.1	89.7	29.98	86.9	55.5	72.1	98.4	31.9	59.7	0.00	0.27	78.6	70.6	74.7	74.9	71.1	73.0
14	20.2	2.6	99.3	27.33	90.4	60.1	74.8	98.4	35.5	64.0	0.00	0.25	80.9	72.2	76.3	76.2	72.2	74.1
15	13.9	2.4	82.6	26.93	92.4	61.7	76.3	98.5	30.2	64.9	0.00	0.25	81.4	73.5	77.4	77.0	73.3	75.2
16	10.3	2.3	150.0	29.17	90.9	60.7	76.8	98.4	29.3	63.3	0.00	0.27	82.6	73.9	78.3	77.8	73.8	75.7
17	16.2	3.5	186.0	28.70	91.4	64.5	78.3	96.6	33.2	64.4	0.00	0.27	83.8	75.3	79.3	78.8	74.9	76.8
18	30.4	4.8	196.6	17.58	85.8	68.3	77.2	97.0	59.5	69.3	0.13	0.16	81.9	76.9	79.3	78.5	76.0	77.2
19	19.5	5.9	322.9	24.71	88.9	61.4	75.9	97.2	26.3	64.2	0.04	0.23	82.4	76.5	79.0	78.6	75.8	77.0
20	15.1	3.0	70.6	27.80	84.3	57.5	70.7	97.0	32.1	58.1	0.00	0.25	81.2	73.1	77.0	77.3	73.9	75.7
21	11.3	2.9	216.7	30.30	88.8	57.7	75.4	97.9	37.5	61.9	0.00	0.28	83.7	73.0	78.1	78.5	73.6	75.9
22	13.8	3.5	253.3	28.54	90.1	69.2	79.3	95.3	45.0	69.3	0.00	0.27	85.9	76.3	80.8	80.3	75.7	77.7
23	17.8	4.5	197.1	19.02	87.4	70.2	77.0	96.3	54.9	70.2	0.00	0.18	84.8	78.1	81.1	80.1	77.2	78.6
24	26.6	5.3	205.3	20.19	85.8	67.7	74.1	97.5	61.7	69.8	0.53	0.18	84.8	77.5	79.7	79.8	76.9	77.9
25	15.0	4.9	171.5	13.18	84.6	67.5	74.7	98.4	70.0	71.1	1.63	0.12	80.0	74.9	77.4	77.5	74.8	76.3
26	32.1	4.1	171.8	15.88	88.4	69.9	75.9	97.2	56.5	71.2	0.03	0.15	82.1	76.7	79.0	78.4	76.0	77.2
27	13.8	3.1	206.5	21.79	86.5	68.6	78.1	98.5	62.0	73.2	0.00	0.20	83.2	76.3	79.7	79.3	75.8	77.4
28	26.3	3.9	230.7	18.82	87.1	69.6	75.7	98.8	58.1	71.8	0.00	0.17	83.9	78.1	80.1	79.7	77.3	78.3
29	16.8	3.9	25.2	16.17	81.0	69.2	73.8	98.9	68.8	70.3	0.01	0.14	80.8	77.2	78.8	78.3	76.5	77.4
30	10.4	3.2	6.6	22.37	82.1	65.6	74.1	97.6	67.8	68.4	0.00	0.20	81.3	76.4	78.8	78.5	76.1	77.4
TOT				704.80							2.97	6.43						
AVG		4.3	210.5	23.49	85.8	63.1	74.4	96.7	46.9	65.1		0.21	80.5	73.8	76.9	76.7	73.6	75.1
MAX	33.7				92.4			99.0					85.9			80.3		
MIN						54.1			26.3					69.6			70.3	

Total Heating Degree Days : 0.0

Total Cooling Degree Days : 282.4

Total Hours of Wind > 8 mph : 99

Illinois Climate Network (ICN)

July 2007

Monthly Summary for Carbondale

DAY	MAX WIND SPEED MPH	AVG WIND SPEED MPH	DIR 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 SOIL TEMP 4" ØF	MIN SOIL TEMP 4" ØF	AVG SOIL TEMP 4" ØF	MAX SOIL TEMP 8" ØF	MIN SOIL TEMP 8" ØF	AVG SOIL TEMP 8" ØF
1	13.9	3.3	64.0	10.98	77.2	62.9	72.1	97.2	67.3	67.8	0.00	0.10	79.6	76.7	78.3	78.1	76.6	77.2
2	19.1	4.6	92.2	29.66	80.5	58.1	69.6	98.9	39.1	58.8	0.00	0.26	79.4	73.6	76.5	76.6	74.1	75.4
3	8.6	2.0	255.0	29.94	86.3	55.4	71.2	98.7	35.4	60.4	0.00	0.27	80.9	72.4	76.6	77.2	73.2	75.0
4	30.9	5.4	235.6	21.58	87.7	64.5	76.3	97.7	63.0	70.3	1.67	0.20	81.1	75.2	77.9	78.3	74.8	76.3
5	20.8	3.9	224.4	17.25	85.5	68.7	74.8	98.3	72.1	71.8	0.23	0.15	80.4	76.2	78.3	77.6	75.5	76.6
6	11.5	2.4	42.4	27.87	87.9	68.3	77.9	98.7	43.1	69.8	0.00	0.26	83.1	76.8	79.9	79.3	76.0	77.5
7	11.4	2.2	11.2	30.04	88.5	66.1	77.7	98.9	41.6	68.5	0.00	0.28	84.1	77.7	80.8	80.2	77.1	78.4
8	11.6	2.9	231.4	28.93	90.8	66.7	79.2	98.6	43.0	69.8	0.00	0.27	84.9	78.3	81.5	80.8	77.7	79.2
9	17.8	5.1	208.1	23.61	88.7	68.4	79.3	94.2	59.8	71.8	0.00	0.22	84.3	79.0	81.7	80.6	78.3	79.5
10	22.4	6.1	211.7	17.69	82.4	71.6	77.0	96.4	70.4	72.3	0.00	0.16	82.0	79.5	80.8	80.1	78.5	79.2
11	17.3	5.2	328.7	29.52	81.1	63.5	74.3	95.5	42.8	63.7	0.00	0.26	82.8	78.5	80.2	79.6	77.7	78.6
12	12.4	2.8	261.0	28.08	82.6	60.8	72.7	98.2	40.0	62.8	0.00	0.25	82.6	76.4	79.3	79.3	76.5	77.9
13	10.4	2.3	264.1	26.87	85.7	61.7	74.1	97.7	40.4	64.9	0.00	0.24	83.6	76.4	79.9	79.8	76.4	78.1
14	13.1	4.3	242.9	29.47	89.9	64.5	77.7	97.8	45.1	68.4	0.00	0.27	84.4	77.5	80.8	80.4	77.3	78.8
15	15.6	4.0	245.7	20.63	88.4	70.8	78.1	97.8	56.2	71.2	0.00	0.19	83.4	78.8	81.0	80.1	78.2	79.2
16	13.8	2.7	175.7	22.34	88.3	66.6	77.5	98.6	55.5	71.2	0.00	0.21	85.0	78.2	81.5	81.0	77.8	79.3
17	27.2	4.0	229.5	19.90	89.7	69.6	76.3	98.5	55.2	71.4	0.00	0.18	83.9	79.1	81.0	80.3	78.5	79.5
18	17.7	6.1	224.7	25.20	91.1	75.0	82.6	93.7	57.1	74.5	0.00	0.24	85.6	78.7	81.7	81.3	78.1	79.5
19	24.0	7.2	266.1	26.04	92.3	72.1	81.7	97.9	49.9	73.0	0.23	0.25	86.0	80.4	82.6	81.8	79.3	80.4
20	16.9	5.1	23.3	28.54	79.3	60.0	71.4	98.4	40.9	60.6	0.06	0.25	83.9	78.6	81.0	80.6	78.6	79.7
21	15.6	3.2	51.3	27.50	80.1	55.9	68.5	98.6	42.1	58.5	0.00	0.24	81.9	74.6	78.1	79.2	75.8	77.4
22	14.4	3.5	71.9	27.80	81.1	55.3	68.4	98.8	38.8	57.4	0.00	0.24	80.8	73.7	77.2	77.8	74.8	76.5
23	11.9	2.2	24.2	28.81	83.1	55.2	70.2	98.6	36.4	58.5	0.00	0.26	81.9	73.3	77.4	78.1	74.2	76.1
24	9.9	2.0	62.2	25.50	83.6	56.8	71.1	98.6	41.0	60.6	0.00	0.23	82.0	74.0	77.9	78.2	74.7	76.5
25	9.8	1.8	117.9	27.39	85.0	56.9	71.4	98.6	38.5	61.9	0.00	0.25	83.1	74.0	78.3	78.7	74.7	76.6
26	13.8	4.4	222.0	25.00	89.2	63.1	78.3	98.2	46.4	67.5	0.00	0.23	83.9	75.8	79.5	79.5	75.8	77.5
27	24.6	6.0	236.3	18.53	88.4	74.5	79.9	97.7	57.6	73.0	0.95	0.17	83.3	78.6	80.6	79.8	77.6	78.6
28	17.4	4.1	6.7	22.22	86.9	71.0	78.4	98.9	56.1	72.7	0.00	0.20	84.5	78.6	81.1	80.8	77.8	79.2
29	16.7	3.5	35.8	23.01	88.2	67.5	77.9	98.8	49.9	69.3	0.00	0.21	84.4	78.8	81.3	80.8	78.3	79.5
30	15.9	3.1	11.5	26.00	87.1	62.4	74.8	98.3	44.2	66.2	0.00	0.24	83.3	77.3	80.2	80.0	77.4	78.8
31	11.8	2.4	55.4	26.43	89.1	64.2	76.3	98.5	40.9	66.6	0.00	0.25	84.4	77.0	80.4	80.5	77.1	78.8
TOT				772.33							3.14	7.03						
AVG		3.8	253.8	24.91	86.0	64.5	75.4	97.9	48.7	66.9		0.23	83.0	76.9	79.8	79.6	76.7	78.1
MAX	30.9				92.3			98.9					86.0			81.8		
MIN						55.2			35.4					72.4			73.2	

Total Heating Degree Days : 0.0

Total Cooling Degree Days : 317.0

Total Hours of Wind > 8 mph : 49

Illinois Climate Network (ICN)

August 2007

Monthly Summary for Carbondale

DAY	MAX WIND SPEED MPH	AVG WIND SPEED MPH	DIR 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 SOIL TEMP øF	MIN SOIL TEMP øF	AVG SOIL TEMP øF	MAX SOIL TEMP øF	MIN SOIL TEMP øF	AVG SOIL TEMP øF
1	9.3	1.7	71.8	26.91	91.9	64.4	77.5	98.5	37.1	67.6	0.00	0.25	85.3	77.6	81.3	81.2	77.5	79.3
2	7.5	1.8	274.5	25.15	93.3	65.1	78.8	98.4	38.3	69.3	0.49	0.24	85.8	78.3	82.0	81.7	78.2	79.9
3	28.6	4.0	188.9	23.64	93.9	69.9	78.4	97.4	50.7	71.8	0.00	0.22	86.4	79.9	82.8	82.0	79.3	80.6
4	11.4	3.8	208.3	22.81	93.1	68.2	82.0	98.3	51.8	72.7	0.00	0.22	86.2	79.4	82.8	82.1	79.1	80.6
5	23.8	7.3	229.7	24.16	93.9	77.8	85.6	83.1	42.8	72.3	0.00	0.24	86.5	81.1	83.5	82.4	80.1	81.1
6	18.7	5.7	222.0	24.52	94.6	76.5	85.8	84.9	47.1	73.8	0.00	0.24	87.5	80.9	84.0	83.2	80.2	81.5
7	21.0	6.8	216.0	25.90	95.2	78.8	86.9	86.6	45.4	74.3	0.00	0.25	88.8	82.0	85.1	84.0	81.0	82.4
8	19.2	6.6	224.4	26.19	97.8	80.5	88.3	81.0	42.1	74.1	0.00	0.26	89.9	82.8	85.8	84.8	81.7	83.1
9	16.1	5.6	259.3	26.15	98.3	76.4	87.1	94.0	38.9	74.5	0.00	0.26	89.9	83.1	86.2	85.3	82.2	83.7
10	15.8	3.7	340.6	27.17	94.9	69.1	81.3	98.5	34.6	69.4	0.00	0.26	89.5	82.1	85.5	85.0	82.0	83.5
11	9.8	2.0	102.7	27.15	95.2	64.9	80.2	98.8	33.8	68.9	0.00	0.26	89.7	80.6	84.9	85.0	81.1	82.9
12	10.8	2.2	235.9	26.68	100.0	66.8	83.1	97.1	34.0	69.4	0.00	0.26	90.1	81.1	85.3	85.2	81.2	83.1
13	12.9	3.4	25.8	21.50	94.5	71.9	82.6	96.1	38.8	71.1	0.00	0.21	88.7	82.9	85.5	84.8	82.3	83.7
14	10.8	2.4	169.2	23.34	98.2	64.2	81.3	98.6	36.9	68.9	0.00	0.22	89.6	80.4	84.7	84.9	81.0	82.9
15	12.7	4.0	244.7	19.07	101.8	77.5	88.2	81.3	31.3	70.7	0.00	0.19	89.2	82.3	85.5	84.9	81.9	83.5
16	37.2	4.5	280.1	18.79	101.8	73.4	82.9	98.6	31.9	70.5	0.90	0.19	89.5	82.5	84.6	85.1	82.1	83.1
17	13.0	3.4	70.4	23.88	89.9	71.3	79.2	99.2	50.2	71.2	0.00	0.22	87.8	80.9	83.8	84.0	80.9	82.2
18	21.1	4.7	106.9	22.71	93.1	70.1	80.4	95.8	42.3	67.6	0.00	0.21	86.9	80.3	83.5	83.4	80.5	82.0
19	15.5	4.3	183.0	13.87	89.2	71.0	80.8	95.0	63.0	73.2	0.00	0.13	85.4	81.0	83.3	82.9	80.7	81.9
20	29.6	9.4	213.3	15.67	90.8	74.4	82.9	95.4	48.1	71.8	0.57	0.15	84.4	80.6	82.6	82.2	80.4	81.3
21	17.2	6.3	219.3	19.83	93.6	75.7	83.3	89.0	42.7	71.6	0.00	0.19	85.6	79.8	82.4	82.3	79.4	80.6
22	14.2	4.7	223.6	21.81	95.4	76.9	85.6	83.6	43.9	72.1	0.00	0.21	87.0	80.9	83.7	83.0	80.1	81.5
23	22.7	7.0	217.4	24.15	97.2	77.5	86.5	79.2	26.7	69.6	0.00	0.24	86.4	81.3	83.7	82.7	80.4	81.7
24	29.8	7.3	219.6	23.75	97.2	71.6	84.4	94.1	27.9	69.3	0.00	0.24	86.7	81.1	83.5	82.9	80.2	81.5
25	13.3	3.5	258.5	11.06	84.4	67.0	75.7	97.5	64.8	71.1	0.05	0.10	84.2	81.1	82.4	81.9	80.1	80.8
26	13.2	2.4	4.9	24.63	86.7	62.6	73.6	99.1	37.3	63.7	0.00	0.22	84.3	77.8	80.8	80.7	77.9	79.3
27	10.0	2.1	133.2	25.55	92.5	58.7	74.8	98.7	29.7	62.6	0.00	0.24	85.2	76.4	80.4	80.6	76.8	78.6
28	12.3	1.8	197.2	24.94	97.8	60.5	79.3	98.1	28.6	65.8	0.00	0.24	86.1	77.1	81.3	81.2	77.1	79.2
29	16.5	3.8	162.9	16.93	94.1	71.7	79.5	95.9	45.1	71.2	0.00	0.16	85.5	80.5	82.8	81.3	79.1	80.2
30	18.1	5.1	21.7	18.15	88.0	68.3	76.6	98.8	44.0	66.6	0.00	0.17	84.9	79.8	82.0	80.9	78.7	79.9
31	18.7	4.3	25.7	24.34	85.3	55.4	70.2	96.1	31.7	56.3	0.00	0.22	83.2	76.3	79.5	79.8	76.7	78.3
TOT				700.40							2.01	6.71						
AVG		4.4	219.7	22.59	94.0	70.3	81.4	93.8	40.7	69.8	0.22		87.0	80.4	83.4	83.0	80.0	81.4
MAX	37.2				101.8			99.2					90.1			85.3		
MIN						55.4			26.7					76.3			76.7	

Total Heating Degree Days : 0.0

Total Cooling Degree Days : 530.9

Total Hours of Wind > 8 mph : 85

Illinois Climate Network (ICN)
 September 2007
 Monthly Summary for Carbondale

DAY	MAX WIND SPEED MPH	AVG WIND SPEED MPH	DIR 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 SOIL TEMP øF 4"	MIN SOIL TEMP øF 4"	AVG SOIL TEMP øF 4"	MAX SOIL TEMP øF 8"	MIN SOIL TEMP øF 8"	AVG SOIL TEMP øF 8"
1	17.8	3.2	64.1	25.18	86.4	51.3	68.4	98.3	32.2	55.9	0.00	0.23	82.6	73.9	77.9	78.6	75.0	76.8
2	10.8	1.9	332.4	23.81	91.0	55.1	72.5	98.1	35.2	61.5	0.00	0.22	83.7	74.3	78.6	79.1	74.9	76.8
3	9.1	1.7	245.5	20.66	95.0	63.9	77.9	98.3	29.4	66.0	0.00	0.20	85.1	77.1	80.8	80.2	76.5	78.3
4	21.9	2.7	172.2	16.52	93.9	66.1	77.4	98.2	38.4	68.2	0.00	0.16	85.4	78.4	81.5	80.4	77.4	78.8
5	15.9	3.4	186.5	10.92	86.8	69.2	76.5	97.6	55.4	70.0	0.00	0.10	83.7	79.3	81.3	79.7	77.8	78.8
6	24.1	6.6	178.0	11.42	81.0	71.6	75.2	96.9	75.8	71.8	0.70	0.10	82.3	79.6	80.6	79.2	77.4	78.3
7	22.8	8.2	200.8	11.16	83.6	75.0	77.7	94.5	72.4	72.1	0.00	0.10	82.2	78.3	80.1	78.5	76.9	77.7
8	16.6	4.1	191.5	6.89	80.5	72.6	76.1	98.8	76.5	73.4	0.88	0.06	81.4	79.0	80.1	78.2	77.2	77.7
9	12.7	2.4	7.7	16.81	85.6	67.5	75.7	99.3	55.3	70.7	0.00	0.15	83.4	78.3	80.6	79.3	76.7	77.7
10	24.0	2.5	315.9	21.37	86.7	63.4	74.5	99.1	39.2	66.7	0.00	0.19	83.2	77.1	80.2	79.1	76.3	77.7
11	19.0	6.2	323.1	20.28	75.5	56.9	66.2	95.4	39.9	57.2	0.00	0.17	80.5	75.9	78.1	78.7	75.9	77.0
12	11.0	1.9	296.3	24.27	77.7	50.7	62.2	98.8	28.8	50.5	0.00	0.20	78.0	72.1	74.8	76.1	72.8	74.3
13	16.3	2.6	198.9	23.26	83.3	47.8	66.2	98.9	31.9	54.1	0.00	0.21	77.7	70.1	73.8	74.6	71.2	73.0
14	21.3	6.8	319.2	20.13	76.2	55.2	68.2	95.9	30.0	53.8	0.00	0.18	76.5	72.3	74.3	74.2	72.6	73.4
15	13.9	2.9	7.6	19.20	66.1	41.3	53.8	96.6	28.2	40.3	0.00	0.14	72.4	68.1	70.2	73.0	69.5	70.7
16	9.7	2.3	187.2	13.29	73.7	45.9	61.9	97.5	37.5	51.6	0.00	0.11	73.2	67.8	70.3	71.0	68.5	69.6
17	14.4	3.8	182.2	20.25	86.0	56.7	71.2	95.5	41.2	59.7	0.01	0.19	77.0	70.1	73.0	73.1	69.7	71.2
18	17.9	5.0	185.7	20.08	86.5	60.7	73.6	96.9	46.1	64.0	0.00	0.18	78.3	71.6	74.7	74.2	71.1	72.7
19	13.8	2.7	204.4	16.90	86.7	59.4	72.5	98.1	48.1	63.7	0.00	0.15	78.6	72.1	75.4	74.8	71.8	73.2
20	11.0	1.8	123.3	19.95	89.7	60.0	72.9	99.4	37.7	63.0	0.00	0.18	79.6	72.5	75.9	75.5	72.1	73.8
21	14.6	2.8	192.8	20.70	88.6	57.9	72.5	98.8	30.9	59.9	0.01	0.19	79.7	72.6	75.9	75.5	72.4	73.9
22	9.6	2.0	283.9	20.31	90.5	59.5	74.1	97.6	36.1	62.6	0.00	0.19	80.3	72.7	76.3	76.0	72.5	74.3
23	18.0	3.8	147.1	17.39	92.0	61.4	76.6	98.5	42.5	66.4	0.00	0.17	80.6	74.0	77.2	76.4	73.4	75.0
24	19.3	5.7	195.0	15.13	87.7	69.4	78.4	96.3	57.3	70.9	0.01	0.14	81.0	75.7	78.3	76.9	74.5	75.7
25	16.3	5.4	203.4	6.87	80.8	71.8	75.2	96.6	71.8	71.6	0.02	0.06	79.4	77.3	78.1	76.5	75.6	75.9
26	14.6	4.0	282.8	6.96	75.5	67.1	70.9	98.7	77.8	68.5	0.67	0.06	78.1	74.8	76.5	75.8	73.9	74.8
27	12.3	2.5	314.7	11.34	78.5	57.4	67.8	99.4	46.5	64.0	0.07	0.10	77.1	73.5	75.0	74.6	73.1	73.8
28	10.7	1.5	258.1	20.48	83.9	53.0	66.6	99.5	31.0	56.3	0.00	0.18	76.4	69.9	73.0	73.7	70.6	72.3
29	17.4	3.9	149.3	20.47	81.0	50.7	64.9	99.1	28.5	51.8	0.13	0.18	74.8	68.9	71.8	72.7	69.7	71.1
30	23.8	7.9	179.8	17.81	82.7	54.6	71.4	95.4	45.4	57.7	0.00	0.16	74.3	68.5	71.4	71.6	68.9	70.3
TOT				519.81							2.50	4.65						
AVG		3.7	208.3	17.33	83.8	59.8	71.3	97.7	44.9	62.1		0.16	79.6	73.9	76.5	76.2	73.5	74.8
MAX	24.1				95.0			99.5					85.4			80.4		
MIN						41.3			28.2					67.8			68.5	

Total Heating Degree Days : 17.3

Total Cooling Degree Days : 220.2

Total Hours of Wind > 8 mph : 81

Illinois Climate Network (ICN)

October 2007

Monthly Summary for Carbondale

DAY	MAX WIND SPEED MPH	AVG WIND SPEED MPH	DIR 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 SOIL TEMP øF	MIN SOIL TEMP øF	AVG SOIL TEMP øF	MAX SOIL TEMP øF	MIN SOIL TEMP øF	AVG SOIL TEMP øF
1	24.6	7.2	224.2	19.89	84.1	59.5	73.0	97.9	41.6	60.4	0.00	0.18	76.5	71.3	73.6	73.1	70.4	71.6
2	21.4	6.8	188.4	15.38	83.9	55.6	71.8	100.0	55.1	62.4	0.00	0.14	75.7	70.2	73.0	72.6	70.2	71.4
3	15.8	3.3	319.8	14.43	80.8	63.2	71.8	98.1	59.2	63.5	0.00	0.13	77.0	72.7	74.5	73.6	71.4	72.3
4	13.7	3.1	144.4	16.20	88.3	58.4	73.0	99.2	50.9	66.0	0.00	0.15	78.0	71.7	74.8	74.2	71.2	72.7
5	13.4	4.0	163.3	15.34	89.2	65.3	77.0	99.2	51.8	70.0	0.00	0.14	79.4	74.0	76.5	75.3	72.5	73.8
6	13.6	4.1	179.3	15.57	89.2	67.4	77.2	98.1	51.3	69.6	0.00	0.15	80.1	74.9	77.4	75.9	73.4	74.7
7	14.7	2.6	186.6	16.74	90.6	63.6	75.4	99.1	39.4	66.0	0.00	0.16	80.0	74.3	77.0	75.9	73.3	74.7
8	19.1	4.0	230.3	16.66	90.0	63.1	74.7	98.7	46.2	66.9	0.00	0.16	80.2	73.9	77.0	75.9	73.2	74.7
9	17.4	5.1	317.4	19.26	80.8	58.1	69.1	97.5	28.7	53.4	0.00	0.17	77.3	72.6	75.0	75.4	72.8	73.9
10	22.1	5.6	330.4	19.00	65.4	42.3	56.1	90.0	39.8	43.2	0.00	0.15	72.7	67.5	70.0	72.8	69.1	70.5
11	16.9	4.0	333.2	18.66	65.2	39.6	50.9	96.9	42.7	41.9	0.00	0.14	68.9	63.9	66.2	69.2	66.1	67.3
12	10.6	1.8	317.5	15.96	67.9	36.7	51.3	98.6	43.0	43.5	0.00	0.12	68.2	61.8	64.9	67.0	64.2	65.7
13	12.6	2.9	154.6	13.21	73.2	43.1	58.1	98.3	40.5	47.8	0.00	0.11	68.9	62.4	65.7	66.9	64.1	65.5
14	16.9	4.0	167.8	17.25	81.3	47.1	63.5	98.4	33.0	50.9	0.00	0.15	71.1	63.5	67.1	68.1	64.6	66.2
15	25.2	4.8	189.5	6.66	76.4	50.2	63.1	98.1	51.1	56.7	0.02	0.06	69.0	64.6	66.9	67.4	65.3	66.4
16	15.3	4.6	215.1	10.66	69.5	50.9	61.3	98.2	63.1	57.6	0.01	0.09	70.4	66.2	68.2	67.9	66.4	66.9
17	21.5	5.3	147.2	6.10	79.8	45.7	62.8	100.0	65.9	61.0	2.16	0.05	69.6	63.4	66.4	67.6	64.2	65.8
18	42.6	13.1	207.9	14.85	82.3	63.3	73.9	98.6	43.8	64.4	0.24	0.14	72.7	68.8	70.5	69.5	66.2	68.2
19	20.3	8.0	254.0	10.84	69.2	51.1	60.4	74.7	37.4	46.6	0.00	0.09	70.2	64.9	67.5	69.1	65.6	67.1
20	24.9	7.6	201.1	17.02	77.7	45.6	63.7	85.5	27.7	44.4	0.00	0.15	66.5	62.0	64.4	65.7	63.1	64.2
21	32.0	9.5	190.7	16.64	78.9	56.5	67.3	88.9	33.3	49.8	0.00	0.15	67.2	63.1	64.9	65.1	63.2	64.2
22	19.4	5.5	350.6	1.75	60.9	51.0	56.1	98.2	73.5	54.1	0.58	0.01	64.8	62.7	63.7	64.6	62.9	63.5
23	20.9	8.8	9.2	1.69	53.3	47.6	50.2	96.9	78.3	48.0	0.99	0.01	62.7	58.4	59.5	63.0	59.2	60.4
24	29.5	9.8	10.7	6.40	59.1	44.9	51.4	94.9	47.5	41.9	0.01	0.05	58.9	57.5	58.1	59.3	58.3	58.8
25	25.2	7.1	32.8	2.05	53.5	44.1	49.5	96.3	67.4	45.9	0.16	0.01	57.6	55.9	56.7	58.5	56.9	57.4
26	12.7	4.0	210.2	4.56	56.0	50.5	52.5	98.6	77.5	50.2	0.10	0.03	59.4	57.1	58.1	58.4	57.3	57.7
27	17.8	5.4	296.2	14.59	64.2	43.4	53.6	97.3	47.5	47.3	0.00	0.11	60.7	57.4	58.8	59.1	57.5	58.3
28	14.9	2.8	39.6	15.83	59.8	33.9	46.0	99.2	33.7	37.8	0.00	0.11	58.5	55.2	56.8	58.5	56.3	57.2
29	7.1	1.4	147.0	16.06	65.4	29.4	44.6	99.4	29.8	35.1	0.00	0.12	57.5	52.3	55.0	56.7	54.2	55.4
30	19.5	3.9	197.4	15.15	67.7	33.3	50.9	98.8	47.5	42.8	0.00	0.12	57.8	52.4	55.0	56.2	53.8	55.0
31	24.6	7.9	224.2	12.68	70.4	49.7	59.7	95.3	37.0	49.1	1.27	0.10	59.6	54.7	57.0	57.5	54.9	56.1
TOT				407.08							5.54	3.45						
AVG		5.4	223.9	13.13	73.4	50.1	61.6	96.4	47.9	52.8		0.11	68.9	64.2	66.5	67.1	64.6	65.7
MAX	42.6				90.6			100.0					80.2			75.9		
MIN						29.4			27.7					52.3			53.8	

Total Heating Degree Days : 191.9

Total Cooling Degree Days : 91.1

Total Hours of Wind > 8 mph : 192

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