

Illinois Climate Network (ICN)
 September 2008
 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	13.7	2.7	126.3	20.33	90.6	67.7	79.2	100.0	57.4	73.4	0.00	0.19	84.8	77.7	81.3	76.2	71.5	73.9
2	15.1	2.9	139.3	18.30	88.4	68.7	79.2	100.0	63.8	73.9	0.00	0.17	85.3	79.3	82.4	76.6	72.6	74.7
3	14.5	2.7	130.2	9.85	84.9	70.8	77.2	100.0	68.0	73.4	0.00	0.09	84.5	80.3	82.6	75.6	73.4	74.7
4	23.6	8.3	176.5	6.01	75.4	63.5	70.9	98.7	90.7	69.6	0.99	0.05	81.8	78.4	79.9	74.6	71.2	72.5
5	15.1	5.5	347.2	5.64	66.9	61.2	64.2	97.3	82.1	61.5	0.00	0.05	80.1	76.1	77.7	71.5	68.7	70.0
6	11.2	2.8	315.3	13.04	74.1	59.1	65.1	99.6	66.6	61.3	0.00	0.11	79.3	74.5	76.6	69.9	67.3	68.5
7	12.3	2.3	326.0	14.98	76.7	60.1	67.3	100.0	68.8	64.0	0.00	0.13	80.1	75.0	77.4	70.4	67.3	68.9
8	14.4	3.6	187.7	17.13	83.8	60.2	72.3	100.0	62.6	68.2	0.00	0.15	81.8	74.9	78.3	71.3	67.3	69.3
9	18.5	5.7	6.0	12.61	70.8	55.5	62.8	99.9	63.6	58.8	0.00	0.10	79.7	74.3	76.8	70.7	67.6	68.9
10	12.6	3.1	79.8	22.42	80.6	52.3	66.6	100.0	53.6	60.3	0.00	0.19	78.4	71.7	75.0	69.5	65.2	67.3
11	11.5	2.4	149.0	9.56	82.9	62.6	72.9	99.4	78.4	70.0	0.00	0.08	80.4	74.6	77.5	70.0	66.9	68.4
12	17.3	5.1	196.8	18.54	88.7	70.3	79.3	100.0	64.9	74.8	0.00	0.17	85.8	78.0	81.7	72.9	68.7	70.5
13	26.4	8.8	190.6	20.98	88.7	74.0	81.3	94.9	58.2	72.9	0.00	0.20	86.3	80.9	83.5	73.6	70.5	72.0
14	50.1	12.1	241.8	7.87	81.2	57.9	70.3	96.6	67.2	65.3	0.55	0.07	83.8	77.6	81.1	72.8	69.2	71.1
15	13.0	4.5	307.2	7.78	64.5	54.7	60.1	97.2	73.8	56.3	0.00	0.06	77.9	74.1	75.4	69.5	66.4	67.5
16	13.0	3.6	338.3	19.08	70.0	50.9	59.4	100.0	63.0	55.8	0.00	0.15	76.6	71.4	73.8	68.6	64.6	66.6
17	14.9	2.3	14.8	22.24	76.6	47.5	61.3	100.0	42.1	54.5	0.00	0.19	75.6	68.9	72.1	68.4	63.5	66.0
18	12.9	2.2	85.3	21.86	82.0	49.2	65.1	100.0	40.4	57.7	0.00	0.19	76.1	68.8	72.3	68.4	63.6	66.0
19	22.6	2.9	203.5	16.37	84.5	55.0	67.6	100.0	43.8	61.3	0.40	0.14	78.1	70.6	74.1	68.6	64.5	66.6
20	16.5	1.8	204.0	7.08	72.1	62.1	65.7	100.0	79.3	64.2	0.36	0.06	77.3	73.2	75.0	67.5	65.6	66.6
21	13.1	2.3	67.0	11.01	78.1	59.4	67.1	100.0	63.6	64.4	1.46	0.09	76.0	72.2	74.3	67.6	64.7	66.2
22	7.1	1.2	295.0	19.10	84.8	56.4	68.7	100.0	45.6	63.1	0.00	0.17	77.2	70.4	73.8	69.0	64.7	66.7
23	8.8	1.2	118.3	17.18	86.0	56.0	69.1	100.0	42.7	63.1	0.00	0.15	77.8	71.1	74.3	69.4	65.5	67.5
24	10.6	1.9	340.8	18.69	85.3	57.7	68.7	100.0	36.1	62.2	0.00	0.17	77.3	71.6	74.3	69.6	65.9	67.8
25	15.7	2.7	33.1	20.66	83.9	52.9	66.2	100.0	27.5	56.1	0.00	0.18	75.1	70.6	72.9	68.7	65.4	67.3
26	16.6	3.2	5.6	20.89	79.8	49.4	62.6	100.0	31.8	53.1	0.00	0.18	72.9	68.3	70.7	67.3	63.9	65.8
27	15.1	3.1	347.6	20.60	79.9	48.3	62.6	100.0	45.9	55.9	0.00	0.18	72.4	66.7	69.4	66.2	62.7	64.6
28	13.1	2.3	340.2	19.21	83.0	50.6	65.7	100.0	40.2	58.3	0.00	0.17	72.9	66.5	69.8	66.4	62.3	64.4
29	21.1	3.1	285.7	13.76	80.7	55.5	67.3	100.0	55.3	62.6	0.39	0.12	73.6	68.2	70.9	66.7	63.4	65.1
30	19.2	5.3	319.4	20.20	69.3	48.5	60.1	100.0	42.5	53.1	0.00	0.16	72.4	67.8	70.5	66.0	63.6	64.8
TOT				472.97							4.15	4.11						
AVG		3.7	266.6	15.77	79.8	57.9	68.2	99.5	57.3	63.0		0.14	78.7	73.1	75.8	70.1	66.6	68.3
MAX	50.1				90.6			100.0					86.3			76.6		
MIN						47.5			27.5					66.5			62.3	

Total Heating Degree Days : 23.2

Total Cooling Degree Days : 139.0

Total Hours of Wind > 8 mph : 61

Illinois Climate Network (ICN)
 October 2008
 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	13.8	3.4	328.5	17.09	68.6	44.8	55.0	100.0	47.7	48.0	0.00	0.14	69.2	64.6	66.9	63.8	60.5	62.2
2	12.6	2.1	313.4	20.02	65.2	40.0	51.6	100.0	45.3	45.5	0.00	0.15	67.5	62.0	64.8	62.2	58.6	60.6
3	10.5	1.8	254.0	19.81	71.8	42.1	55.9	100.0	47.1	49.5	0.00	0.16	67.7	60.9	64.2	62.2	57.7	60.1
4	8.1	1.6	227.2	19.40	76.3	44.5	58.8	100.0	45.2	52.3	0.00	0.16	68.6	61.8	65.1	62.9	58.3	60.6
5	13.6	2.1	167.7	18.69	82.0	44.8	61.5	100.0	32.2	52.9	0.00	0.16	69.2	62.4	65.7	63.2	58.8	61.0
6	15.2	3.2	142.6	16.02	82.4	51.8	66.2	100.0	39.5	58.3	0.00	0.14	70.1	63.9	67.1	63.9	59.8	61.9
7	19.1	5.2	164.0	3.96	72.2	60.7	66.9	99.8	65.2	64.2	0.65	0.03	69.5	66.4	68.0	63.2	61.3	62.4
8	16.5	5.2	321.0	17.21	69.4	47.2	60.4	100.0	43.9	54.3	0.00	0.14	70.4	66.1	68.7	63.9	61.9	62.8
9	10.1	1.7	124.4	18.35	75.1	49.2	57.7	95.2	34.9	48.9	0.00	0.15	68.5	65.1	65.7	62.5	60.3	61.0
10	11.7	2.1	124.6	17.50	80.0	44.4	61.2	99.8	41.9	52.9	0.00	0.15	68.5	62.1	65.3	62.6	58.5	60.6
11	11.9	1.9	173.2	16.59	83.0	54.3	67.5	99.4	49.9	60.8	0.00	0.15	70.9	64.2	67.5	64.2	59.9	62.1
12	16.7	3.7	155.5	16.59	84.4	55.9	69.3	100.0	44.0	60.8	0.00	0.15	71.8	66.1	69.1	65.0	61.4	63.3
13	16.3	4.3	177.7	11.63	80.6	62.9	71.6	94.3	57.3	63.5	0.00	0.10	73.0	68.6	70.5	65.6	62.9	64.2
14	9.0	2.3	196.6	6.41	74.2	63.1	68.2	100.0	77.9	65.7	0.07	0.05	73.3	69.7	71.4	65.8	63.7	64.8
15	23.2	7.6	236.8	14.39	80.8	54.8	70.2	100.0	60.6	63.9	0.34	0.13	73.7	69.5	71.4	66.2	63.3	64.8
16	17.9	6.2	351.6	15.66	62.1	40.6	53.6	91.8	45.7	45.1	0.00	0.12	71.0	64.2	67.8	65.2	61.2	63.1
17	12.0	2.1	330.2	15.40	64.2	38.4	50.7	96.4	42.2	42.4	0.00	0.11	65.1	60.5	63.1	61.4	57.7	59.5
18	14.5	2.9	7.9	13.18	62.0	39.7	51.6	95.5	45.6	43.9	0.00	0.10	64.7	61.2	63.0	59.9	57.8	59.0
19	14.0	3.0	173.8	16.23	65.8	35.5	49.1	99.3	34.7	39.0	0.00	0.12	63.0	58.0	60.4	58.5	55.3	57.0
20	18.1	3.7	213.1	15.31	69.6	38.3	55.0	95.7	48.3	46.4	0.00	0.12	62.9	57.0	60.1	57.8	54.2	56.1
21	18.0	6.5	69.0	14.85	63.7	51.8	57.0	83.2	36.1	41.2	0.00	0.11	62.9	60.3	61.5	58.1	56.3	57.2
22	18.3	7.9	104.2	12.45	66.1	47.5	55.0	64.3	23.5	32.5	0.00	0.10	61.1	58.6	59.7	57.0	54.8	55.8
23	19.1	6.3	148.6	1.64	59.4	48.1	52.0	94.6	47.8	45.3	1.10	0.01	59.1	57.3	58.3	55.5	53.5	54.3
24	20.3	5.7	203.6	8.24	58.6	39.9	50.7	94.4	58.8	44.4	0.00	0.06	59.9	57.2	58.5	54.7	52.9	53.8
25	18.2	5.3	236.8	16.08	60.0	36.6	49.1	95.3	44.0	39.6	0.00	0.11	58.5	54.4	56.7	53.9	51.2	52.7
26	25.4	8.9	284.9	15.36	67.1	43.1	55.2	76.9	24.6	36.0	0.00	0.12	59.1	55.5	57.0	54.4	51.6	52.9
27	23.9	9.3	310.0	8.54	45.8	36.8	42.3	56.7	31.2	23.4	0.00	0.05	56.0	52.4	53.8	53.1	49.6	50.7
28	16.9	4.3	317.8	15.59	48.8	30.3	37.8	90.0	32.8	24.6	0.00	0.10	53.0	49.9	51.4	49.8	47.5	48.7
29	13.3	3.3	256.8	15.40	64.3	30.5	44.4	93.2	28.6	31.3	0.00	0.11	53.4	48.3	50.7	49.5	46.2	47.8
30	18.0	5.2	184.8	14.79	68.9	34.0	52.9	94.9	32.2	38.1	0.00	0.12	54.8	49.2	52.0	50.4	46.7	48.6
31	21.8	7.5	207.7	13.95	73.0	50.9	61.2	65.3	36.5	42.3	0.00	0.12	57.0	52.4	54.7	52.2	48.9	50.4
TOT				446.33							2.16	3.54						
AVG		4.4	220.9	14.40	69.2	45.2	56.8	92.8	43.4	47.0		0.11	64.9	60.3	62.6	59.6	56.5	58.1
MAX	25.4				84.4			100.0					73.7			66.2		
MIN						30.3			23.5					48.3			46.2	

Total Heating Degree Days : 266.7

Total Cooling Degree Days : 25.5

Illinois Climate Network (ICN)
 November 2008
 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	14.7	3.5	203.9	14.03	72.8	45.1	57.9	93.2	40.8	46.8	0.00	0.12	58.9	53.9	56.3	53.7	50.3	52.0
2	15.4	3.9	189.4	13.45	73.4	44.9	57.4	95.0	39.5	46.8	0.00	0.11	59.5	54.5	56.8	54.1	50.9	52.5
3	16.1	3.6	181.2	14.19	73.3	41.9	55.9	95.8	33.9	43.9	0.00	0.12	59.1	54.1	56.7	54.0	50.8	52.5
4	16.6	3.9	174.2	13.91	73.3	41.0	55.8	95.7	35.1	44.2	0.00	0.12	58.7	53.7	56.3	53.8	50.5	52.2
5	21.9	6.5	172.2	13.72	73.2	43.4	59.9	96.4	40.6	48.0	0.01	0.12	58.9	54.1	56.7	53.9	50.7	52.3
6	26.7	8.4	187.8	2.85	66.1	41.5	59.2	96.0	65.7	52.7	0.07	0.03	59.3	56.5	57.7	53.9	52.2	53.1
7	24.1	8.0	254.1	13.32	53.4	39.2	47.1	95.8	39.0	32.9	0.00	0.09	56.8	53.6	54.9	53.0	50.0	51.1
8	17.8	7.9	284.1	9.68	47.5	35.6	41.7	79.0	54.8	30.2	0.00	0.06	53.9	51.2	52.5	50.5	48.1	49.1
9	16.1	4.5	297.2	3.35	39.3	24.6	34.9	93.6	54.7	26.8	0.01	0.02	51.9	48.1	50.5	48.6	45.7	47.3
10	10.4	2.2	139.5	9.97	48.5	23.0	36.5	94.3	45.8	28.0	0.01	0.06	50.1	45.7	48.2	46.3	43.5	45.1
11	18.5	6.9	123.9	5.09	51.6	39.2	44.4	92.2	53.8	37.2	0.49	0.03	50.9	48.6	49.6	46.5	45.1	45.9
12	19.9	5.4	167.6	0.90	52.3	49.1	50.2	96.3	57.9	46.0	0.50	0.01	51.9	49.5	50.7	47.3	45.6	46.4
13	20.6	7.8	207.7	3.39	52.2	47.5	49.6	95.5	84.3	46.9	0.00	0.02	53.3	51.5	52.3	48.5	47.0	47.7
14	27.1	7.2	238.7	2.73	57.6	46.8	53.1	94.5	84.2	49.8	0.67	0.02	54.9	52.4	53.6	49.7	47.8	48.7
15	29.9	11.3	310.2	2.14	47.0	35.6	39.7	92.7	63.5	33.3	0.12	0.01	54.0	48.8	51.3	49.3	45.3	47.5
16	22.6	7.9	240.2	12.57	48.1	30.8	41.0	77.9	44.5	28.0	0.00	0.08	49.4	47.0	48.2	45.6	43.7	44.8
17	19.9	7.5	343.3	8.93	45.1	29.4	39.4	79.8	42.0	25.7	0.00	0.05	48.4	46.4	47.7	44.9	43.7	44.4
18	15.3	3.8	340.3	12.67	39.2	23.8	30.2	85.2	37.3	18.5	0.00	0.06	45.9	43.4	44.8	42.9	41.3	42.3
19	27.4	7.5	209.3	11.94	51.4	28.9	39.4	84.2	44.6	26.2	0.00	0.07	45.5	42.2	43.7	41.9	39.7	40.8
20	22.9	9.6	342.4	3.32	43.4	29.4	35.8	82.5	43.6	25.0	0.00	0.02	44.4	42.6	43.7	41.5	40.1	40.8
21	18.4	4.9	349.8	12.53	32.8	15.8	25.0	85.5	35.6	11.7	0.00	0.06	42.8	39.6	41.2	40.3	37.9	38.8
22	17.3	4.5	169.2	3.17	35.5	15.5	28.4	86.8	43.7	16.0	0.00	0.02	40.7	38.8	39.7	38.1	36.5	37.0
23	17.3	6.3	189.3	11.88	50.8	19.1	37.0	92.2	37.0	24.3	0.09	0.07	42.4	37.9	40.1	38.8	35.5	36.9
24	28.5	8.7	275.1	6.69	50.8	37.2	45.7	94.6	29.1	34.5	0.24	0.05	45.6	42.3	44.1	41.3	38.5	40.1
25	16.5	4.8	300.0	11.81	44.5	24.4	35.6	88.8	37.8	22.6	0.00	0.07	44.1	41.4	42.6	40.2	38.3	39.4
26	9.3	1.4	145.8	11.58	57.7	22.8	37.2	94.0	40.8	28.8	0.00	0.07	44.1	39.7	41.7	40.2	37.1	38.7
27	12.4	2.3	280.7	11.57	58.5	24.9	40.1	95.2	33.8	30.6	0.00	0.08	44.4	40.1	42.3	40.5	37.5	39.0
28	13.8	3.1	354.0	8.82	51.6	39.3	43.5	75.0	33.6	27.9	0.00	0.06	45.5	42.7	44.1	41.5	39.4	40.3
29	12.7	3.9	68.3	7.98	52.5	35.8	45.0	84.3	32.1	27.1	0.00	0.05	46.1	43.6	45.0	42.0	40.3	41.2
30	18.2	7.6	282.5	1.35	41.9	35.0	37.4	92.9	78.3	34.0	0.08	0.01	45.8	43.8	45.0	41.9	40.3	41.2
TOT				259.53							2.29	1.76						
AVG		5.8	246.5	8.65	52.8	33.7	43.5	90.2	46.9	33.1		0.06	50.2	46.9	48.6	46.2	43.8	45.0
MAX	29.9				73.4			96.4					59.5			54.1		
MIN						15.5			29.1					37.9			35.5	

Total Heating Degree Days : 652.1

Total Cooling Degree Days : 0.0

Total Hours of Wind > 8 mph : 222

Illinois Climate Network (ICN)
 December 2008
 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	22.5	9.5	285.1	1.50	35.6	28.3	32.4	94.0	63.8	26.6	0.01	0.01	44.1	41.3	42.8	40.6	38.2	39.4
2	27.8	8.1	203.7	11.47	43.9	21.2	35.2	90.0	45.9	23.7	0.00	0.07	41.9	39.3	40.8	38.4	36.5	37.6
3	28.4	12.4	219.0	1.98	51.9	30.2	43.3	93.5	53.2	34.2	0.24	0.02	44.0	40.5	42.3	39.7	37.2	38.3
4	20.9	7.1	342.4	11.13	33.2	20.5	26.6	75.4	48.2	15.8	0.00	0.05	43.0	38.7	40.5	39.4	36.2	37.6
5	14.3	4.6	243.7	10.89	30.8	15.0	24.3	87.5	37.6	12.7	0.00	0.05	38.8	37.0	37.8	36.4	34.5	35.2
6	24.9	9.5	270.3	4.93	44.7	23.1	33.6	92.5	45.9	21.7	0.01	0.03	39.1	36.6	37.6	35.6	33.9	34.7
7	18.3	5.7	172.8	7.65	33.0	14.6	23.9	75.5	43.3	11.1	0.00	0.03	37.9	35.7	36.5	35.2	33.3	34.0
8	33.5	12.3	189.6	7.89	53.1	31.4	43.7	56.9	33.4	23.2	0.00	0.06	40.1	35.9	37.6	35.9	33.0	34.2
9	25.4	11.5	201.0	1.72	53.8	34.3	47.5	94.7	56.8	43.7	0.91	0.01	45.1	39.8	43.0	40.1	35.6	38.3
10	22.0	8.6	359.3	1.68	34.4	28.5	32.0	90.4	81.8	28.4	0.01	0.01	43.6	40.2	41.5	39.6	36.8	37.9
11	21.3	6.7	350.0	6.83	38.9	26.3	31.5	89.3	54.3	24.6	0.01	0.04	40.5	38.4	39.4	37.1	35.3	36.0
12	20.9	5.0	311.3	6.78	42.5	23.4	32.5	89.7	42.3	23.9	0.00	0.04	39.5	37.4	38.3	35.6	34.2	35.1
13	31.4	12.7	177.1	2.66	47.6	31.9	40.1	79.2	45.9	27.3	0.00	0.02	39.5	37.0	38.1	35.5	33.7	34.5
14	37.5	17.2	186.4	3.90	61.0	43.9	50.9	79.4	49.1	40.3	0.01	0.03	44.6	39.1	41.5	39.3	35.2	36.9
15	29.9	10.9	343.6	1.95	61.8	17.1	23.7	91.3	65.2	17.1	0.43	0.01	45.0	37.7	41.0	39.9	35.1	37.8
16	15.1	6.0	37.1	1.26	25.0	18.1	21.2	93.1	64.9	16.5	0.00	0.01	37.9	35.6	36.5	35.2	32.9	33.8
17	10.1	3.5	346.6	1.67	26.6	24.7	25.9	92.9	79.5	22.5	0.00	0.01	36.0	35.5	35.8	33.2	32.4	32.7
18	11.6	3.5	113.5	1.94	36.0	26.1	30.9	96.3	83.8	28.2	0.00	0.01	36.9	35.4	36.0	33.2	32.2	32.5
19	32.6	10.5	259.2	9.15	60.9	28.3	46.0	100.0	50.5	39.7	0.42	0.07	43.6	36.6	41.0	38.4	32.9	36.1
20	27.5	6.3	326.0	2.50	37.8	28.2	32.7	93.2	62.5	27.7	0.00	0.01	40.8	38.8	39.6	37.2	35.2	36.0
21	29.9	13.0	306.7	10.81	28.2	7.7	15.3	68.8	32.6	0.0	0.00	0.04	39.2	34.7	36.5	35.8	32.2	33.8
22	16.0	5.2	242.7	10.47	22.8	4.5	14.4	68.5	44.1	1.8	0.00	0.04	34.9	33.6	34.2	32.5	30.9	31.5
23	30.2	10.7	175.2	2.91	45.1	22.7	31.5	93.9	53.1	25.2	0.47	0.02	34.0	33.4	33.8	31.3	30.5	30.9
24	35.9	9.0	251.2	3.68	52.9	25.7	43.7	95.3	55.5	37.9	0.53	0.02	38.5	33.4	36.1	33.6	30.4	32.0
25	15.0	4.8	98.6	10.63	36.7	20.7	28.8	87.0	51.3	19.6	0.00	0.05	36.8	34.8	35.4	33.2	31.6	32.2
26	30.5	11.4	183.0	1.94	66.1	35.4	55.2	96.3	62.8	50.2	0.06	0.02	45.2	34.8	39.0	38.8	31.6	34.0
27	48.2	17.1	196.8	1.71	72.1	41.6	64.0	92.1	62.4	57.2	0.60	0.02	51.8E	45.0	48.9E	45.0	38.6	42.3
28	25.0	7.3	243.5	10.07	47.7	32.9	39.2	71.8	32.9	25.5	0.00	0.06	50.7E	39.7E	43.7E	44.9	39.9	41.7
29	18.3	5.6	222.2	10.70	58.0	30.2	41.9	91.7	33.4	28.9	0.00	0.07	41.4E	36.5E	38.8E	40.0	37.6	38.8
30	29.8	7.9	237.2	11.00	58.6	25.8	43.0	95.2	36.6	30.4	0.01	0.08	41.4E	36.1E	38.8E	38.9	36.4	37.8
31	31.1	8.3	351.0	10.23	40.7	19.3	27.1	79.2	45.2	15.6	0.00	0.05	39.9E	34.5E	36.5E	38.6	35.0	36.7
TOT				183.63							3.72	1.06						
AVG		8.8	235.4	5.92	44.6	25.2	34.9	86.9	52.2	25.8		0.03	41.2	37.2	39.0	37.4	34.5	35.8
MAX	48.2				72.1			100.0					51.8E			45.0		
MIN						4.5			32.6					33.4			30.4	

Total Heating Degree Days : 933.5

Total Cooling Degree Days : 0.0

Illinois Climate Network (ICN)
 January 2009
 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	22.2	7.5	195.7	8.47	40.9	18.7	30.7	77.7	42.2	19.0	0.00	0.05	34.7E	33.4E	34.0E	35.3	33.4	34.0
2	11.5	2.8	169.3	9.26	51.6	29.1	39.6	87.6	39.0	27.7	0.00	0.06	37.9E	33.4E	35.2E	35.9	33.3	34.3
3	24.0	6.5	159.8	1.81	65.8	42.1	55.4	95.5	61.7	50.9	0.01	0.01	45.3E	36.9E	40.8E	40.4	35.3	37.4
4	25.5	10.8	325.8	2.32	63.9	25.2	42.3	92.0	56.0	34.5	0.00	0.01	46.8E	40.1E	44.6E	42.0	39.1	41.0
5	15.5	5.4	46.3	2.97	29.3	22.2	26.4	85.0	44.4	14.0	0.00	0.01	41.6E	38.1E	39.0	39.3	35.5	36.9
6	12.1	3.3	242.3	1.24	32.9	27.5	31.3	96.2	85.0	29.7	0.03	0.01	38.7E	38.0E	38.3	35.8	35.0	35.4
7	25.6	7.6	272.2	7.30	43.7	35.6	36.3	65.2	39.1	25.3	0.00	0.04	39.9	37.6E	38.7	36.1	35.1	35.6
8	20.8	5.5	317.7	11.14	37.2	21.6	29.1	82.3	36.5	18.0	0.00	0.06	39.0	36.3	37.6	35.9	33.9	34.7
9	27.3	9.6	188.1	10.20	54.8	22.0	42.6	81.7	34.0	25.3	0.00	0.07	40.0	35.3	37.2	35.8	32.8	34.0
10	25.9	10.5	310.5	1.40	57.7	29.5	38.3	91.4	58.4	32.4	0.06	0.01	41.3	38.4	40.1	37.2	35.5	36.5
11	17.6	5.0	248.1	11.25	41.1	20.1	30.6	89.1	49.9	21.7	0.00	0.06	39.3	36.6	37.9	35.7	34.0	34.9
12	23.1	6.4	191.9	5.92	47.7	22.3	35.4	93.6	50.4	27.0	0.00	0.03	38.5	35.6	37.0	34.9	33.1	34.0
13	27.3	9.2	318.1	9.93	44.2	15.0	25.7	75.1	31.6	12.7	0.00	0.04	38.5	35.4	37.2	35.0	33.0	34.2
14	31.4	12.8	282.2	9.42	47.9	12.2	27.1	64.3	34.9	11.1	0.00	0.06	36.0	34.5	35.2	33.2	32.0	32.5
15	19.6	7.4	339.6	12.11	14.2	2.9	8.2	68.9	28.1	-6.9	0.00	0.04	34.9	33.1	33.8	32.3	30.7	31.5
16	14.4	4.4	178.7	5.57	17.3	-1.7	8.8	79.1	35.1	-5.1	0.00	0.02	33.4	32.4	32.9	31.0	29.9	30.4
17	32.7	10.8	215.0	10.85	44.6	15.9	31.5	65.6	39.9	15.3	0.00	0.06	32.8	32.2	32.5	30.2	29.6	29.8
18	18.7	5.5	287.0	5.32	40.1	26.0	34.2	91.1	59.0	26.2	0.00	0.03	32.8	32.3	32.5	30.0	29.6	29.8
19	24.9	9.0	348.3	10.99	34.8	18.5	26.8	83.0	40.8	14.9	0.00	0.05	32.9	32.4	32.7	30.0	29.6	29.8
20	20.6	5.6	339.0	9.28	28.2	12.1	20.3	87.7	51.5	13.1	0.00	0.04	32.9	32.5	32.7	30.1	29.6	29.8
21	22.6	7.6	210.8	12.27	40.8	10.9	28.0	88.7	45.5	17.4	0.00	0.06	32.9	32.4	32.7	30.0	29.5	29.7
22	20.0	7.0	208.7	11.81	55.7	29.6	41.7	78.4	35.8	28.4	0.00	0.08	32.9	32.4	32.7	29.9	29.5	29.7
23	23.4	9.8	309.7	9.81	54.8	30.7	44.1	81.3	38.6	31.1	0.00	0.07	34.8	32.4	33.4	30.5	29.5	29.8
24	23.6	8.7	2.2	12.56	30.8	15.3	21.2	73.4	39.9	7.5	0.00	0.05	34.0	33.1	33.4	30.6	30.0	30.4
25	13.4	5.8	33.8	2.21	21.0	12.8	17.4	73.0	40.1	4.3	0.00	0.01	33.3	32.8	33.1	30.5	29.8	30.2
26	17.7	6.4	34.7	4.25	25.7	18.2	21.7	88.4	58.5	13.3	0.49	0.02	33.1	32.6	32.9	30.2	29.7	30.0
27	16.5	6.9	17.6	1.42	27.7	20.5	23.2	93.8	86.6	20.8	1.00	0.01	33.0	32.5	32.7	30.1	29.5	29.8
28	20.2	6.9	276.6	12.42	27.9	15.7	21.0	92.5	88.2	18.5	0.00	0.05	33.0	32.5	32.7	30.0	29.5	29.8
29	15.3	6.1	217.4	8.41	28.4	20.1	25.3	94.9	89.1	23.2	0.00	0.04	33.0	32.6	32.9	30.0	29.5	29.8
30	13.4	3.4	272.9	13.16	36.6	17.4	28.0	94.9	57.9	21.9	0.00	0.06	33.1	32.6	32.9	30.0	29.6	29.8
31	28.9	9.0	210.7	13.95	45.5	22.2	34.9	95.0	54.9	28.0	0.00	0.08	33.1	32.6	32.9	30.0	29.6	29.8
TOT				249.02							1.59	1.29						
AVG		7.2	279.2	8.03	39.8	20.3	29.9	84.1	50.1	20.0		0.04	36.2	34.3	35.2	33.2	31.8	32.4
MAX	32.7				65.8			96.2					46.8E			42.0		
MIN						-1.7			28.1					32.2			29.5	

Total Heating Degree Days : 1083.5

Total Cooling Degree Days : 0.0

Illinois Climate Network (ICN)
February 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	22.8	8.2	258.0	13.72	52.5	33.8	43.4	68.2	41.4	29.0	0.00	0.05	33.0	32.6	32.8	30.0	29.5	29.8
2	24.8	4.8	319.2	14.64	40.2	22.6	33.1	82.2	27.4	17.2	0.00	0.05	33.2	32.6	32.9	30.0	29.5	29.8
3	33.7	11.9	325.4	14.08	36.1	10.7	22.3	73.6	40.1	8.8	0.00	0.03	33.2	32.8	33.0	30.1	29.6	29.9
4	19.1	5.6	345.8	15.00	21.2	10.7	15.2	82.3	45.2	4.2	0.00	0.03	33.1	32.5	32.8	30.0	29.4	29.7
5	25.3	10.1	192.7	14.59	39.4	9.9	27.0	83.1	38.6	12.8	0.00	0.04	32.8	32.1	32.5	29.7	29.1	29.4
6	35.6	11.4	205.8	14.05	59.1	36.6	47.8	79.8	55.2	36.4	0.00	0.06	32.6	32.1	32.4	29.5	29.0	29.3
7	32.7	14.7	211.4	10.40	60.7	53.2	57.0	79.0	64.0	48.6	0.00	0.04	35.4	32.1	32.8	29.6	29.0	29.3
8	14.7	3.9	6.4	10.93	59.7	42.0	50.9	89.4	53.5	41.8	0.00	0.04	41.4	35.2	38.4	35.7	29.3	32.6
9	38.7	9.7	183.5	11.35	68.7	39.0	56.1	92.5	40.5	44.2	0.20	0.05	45.3	38.8	41.9	39.8	35.0	36.9
10	27.8	10.5	194.0	4.78	62.0	56.2	59.3	94.8	67.0	55.2	0.16	0.01	49.0	44.9	47.2	43.4	39.5	41.5
11	45.5	16.1	234.0	6.38	64.0	44.1	55.0	93.2	46.3	48.0	0.85	0.02	51.4	47.7	49.9	45.5	43.1	44.5
12	16.7	5.3	224.8	15.10	56.1	30.9	44.8	91.7	37.7	33.9	0.00	0.06	48.2	43.6	46.1	43.8	40.6	42.2
13	15.3	4.9	90.9	6.24	47.3	31.7	40.2	94.3	36.1	28.4	0.00	0.02	45.5	42.1	43.3	42.2	39.3	40.2
14	23.0	8.3	356.2	4.12	39.6	31.5	34.8	87.7	67.3	27.4	0.00	0.01	42.9	39.8	41.2	39.7	37.1	38.2
15	18.2	6.2	13.5	12.36	41.3	27.3	32.8	79.6	36.1	21.7	0.00	0.04	41.6	38.0	39.6	37.5	35.4	36.6
16	10.2	3.4	28.0	16.12	40.4	21.5	29.7	85.1	40.2	19.0	0.00	0.05	40.8	36.4	38.5	36.6	34.1	35.5
17	30.0	10.1	186.8	4.70	46.4	23.6	37.2	90.5	47.7	29.0	0.00	0.01	39.3	36.1	37.6	35.8	33.7	34.7
18	41.2	14.5	277.4	6.94	59.1	33.5	47.8	93.2	53.3	39.4	0.05	0.02	44.0	38.9	42.0	39.2	35.2	37.5
19	24.6	8.7	322.1	16.76	33.4	16.7	26.5	81.9	33.3	11.3	0.00	0.05	41.8	37.4	39.3	38.5	34.9	36.2
20	20.0	5.7	192.6	14.61	45.4	14.4	31.8	87.8	33.9	17.4	0.00	0.05	38.7	35.4	37.1	35.2	33.1	34.2
21	28.1	11.0	264.8	8.55	44.9	27.0	37.0	93.7	38.2	22.5	0.14	0.02	39.6	37.2	38.1	35.6	34.3	34.8
22	17.3	5.2	306.2	17.65	36.6	20.8	27.2	79.8	34.2	13.1	0.00	0.05	38.4	35.2	36.7	34.8	32.7	33.7
23	10.1	2.5	49.1	18.14	38.3	15.5	27.2	87.0	35.2	14.9	0.00	0.05	38.2	34.6	36.1	34.3	32.1	33.2
24	16.6	6.7	151.1	8.63	44.0	26.6	36.7	70.9	38.7	20.6	0.00	0.02	38.1	35.0	36.5	34.7	32.4	33.5
25	21.8	8.8	180.7	7.62	56.1	41.8	49.2	89.6	43.7	38.0	0.00	0.03	42.8	37.3	39.9	38.3	34.2	35.8
26	30.0	12.3	185.8	9.04	67.4	48.8	58.6	94.1	61.2	50.6	0.37	0.04	48.0	42.0	44.7	42.5	37.9	39.7
27	26.0	10.4	0.2	3.63	59.8	34.8	40.7	94.1	69.8	34.7	0.03	0.00	48.5	42.4	45.7	43.2	39.6	41.7
28	29.3	11.5	18.7	2.09	35.0	28.6	31.6	83.2	66.2	24.9	0.01	0.00	42.7	38.3	40.2	39.9	35.9	37.6
TOT				302.24							1.82	0.93						
AVG		8.7	244.5	10.79	48.4	29.8	39.3	85.8	46.2	28.3		0.03	40.7	37.3	38.9	36.6	34.1	35.3
MAX	45.5				68.7			94.8					51.4			45.5		
MIN						9.9			27.4					32.1			29.0	

Total Heating Degree Days : 725.6

Total Cooling Degree Days : 0.0

Total Hours of Wind > 8 mph : 365

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

Illinois Climate Network (ICN)
 March 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	27.3	12.7	2.7	18.65	35.3	23.3	28.8	76.7	43.2	16.0	0.00	0.06	39.0	36.3	37.7	36.2	34.0	35.0
2	16.0	7.7	24.9	18.87	33.0	22.4	25.3	60.9	37.1	10.8	4.30	0.05	37.8	35.1	36.4	34.4	32.9	33.8
3	17.3	4.7	112.2	13.87	36.8	14.3	26.8	83.4	31.3	10.0	0.00	0.04	36.7	34.5	35.6	33.7	32.2	33.0
4	23.4	8.4	181.3	13.97	56.8	25.8	43.2	60.5	26.9	21.8	0.00	0.05	40.1	34.6	37.0	36.1	32.1	33.7
5	40.3	17.8	202.4	7.41	66.5	52.0	60.0	70.2	37.8	45.3	0.00	0.03	46.6	39.6	42.8	41.1	35.7	38.0
6	30.7	14.9	207.3	14.02	73.8	59.5	65.8	81.2	59.4	56.1	0.00	0.07	52.5	46.2	49.2	46.2	40.8	43.3
7	35.3	13.8	206.1	12.51	72.6	61.0	66.6	77.5	55.8	55.8	0.00	0.06	54.1	50.4	52.3	48.3	45.5	46.8
8	38.4	14.0	233.1	13.19	77.7	47.6	66.4	82.6	18.1	47.7	0.01	0.07	56.3	52.4	54.2	49.9	47.9	48.8
9	18.6	4.4	116.2	16.63	66.0	32.8	52.4	94.0	31.2	39.0	0.00	0.07	53.7	48.6	51.3	48.5	45.1	47.1
10	30.8	14.2	216.1	10.40	74.7	45.6	66.7	93.3	52.3	56.4	0.50	0.05	56.6	51.7	54.2	51.0	47.3	48.9
11	23.7	8.6	348.6	10.74	45.6	30.3	35.0	79.6	43.1	23.1	0.00	0.03	55.6	47.0	50.8	50.8	44.5	47.3
12	16.9	8.5	36.5	7.55	34.6	28.1	31.5	69.2	46.0	18.8	0.00	0.02	47.3	43.1	44.8	44.7	40.7	42.3
13	17.5	5.3	36.6	16.34	47.5	26.9	37.4	78.9	38.2	23.5	0.00	0.06	46.0	41.0	43.6	41.9	38.7	40.4
14	14.9	5.5	61.4	11.35	54.5	38.7	46.3	69.4	47.2	31.9	0.00	0.04	47.6	43.1	45.2	43.1	40.1	41.4
15	16.8	3.1	154.3	11.32	59.8	35.6	47.4	94.4	60.3	42.0	0.00	0.05	50.0	44.7	47.1	44.7	41.4	42.9
16	11.6	3.2	260.9	18.66	68.8	45.7	56.0	93.3	39.8	45.5	0.00	0.09	53.9	47.1	50.1	48.0	43.2	45.3
17	20.7	6.1	215.3	21.09	70.5	40.2	57.9	96.4	41.3	45.8	0.00	0.11	54.5	47.9	51.2	49.0	44.6	46.8
18	24.9	7.7	228.7	19.65	75.3	48.2	61.1	93.5	41.9	48.9	0.14	0.10	56.3	49.6	52.8	50.6	46.0	48.2
19	21.8	6.5	9.5	21.21	58.2	32.7	48.8	94.7	25.9	33.6	0.14	0.10	54.5	50.6	52.7	49.9	47.5	48.8
20	17.2	4.1	94.0	22.49	56.0	27.4	43.4	89.8	28.1	26.0	0.00	0.10	52.6	46.7	49.7	48.2	44.3	46.5
21	10.6	3.1	168.1	7.28	55.7	34.2	47.2	83.2	32.4	31.1	0.00	0.02	50.9	47.7	49.2	47.0	44.7	45.7
22	13.6	4.2	155.2	16.03	71.2	48.0	58.1	82.3	32.9	40.4	0.00	0.08	55.4	49.3	51.9	49.8	45.7	47.3
23	27.2	10.1	170.4	14.58	73.1	52.4	63.7	66.5	34.7	42.1	0.00	0.07	55.5	51.2	53.3	50.4	47.4	48.9
24	35.7	13.4	179.8	15.09	73.6	57.6	64.1	94.6	38.4	49.2	1.14	0.08	56.7	52.5	54.6	51.6	48.5	50.0
25	13.3	4.6	272.6	17.90	62.0	46.8	53.7	96.3	36.6	42.7	0.00	0.08	57.4	53.2	55.3	52.0	49.4	50.8
26	13.5	4.6	47.7	19.71	65.0	47.3	55.8	87.9	40.8	41.3	0.00	0.09	58.2	52.9	55.4	52.8	49.2	51.0
27	17.8	7.2	50.2	8.88	62.0	51.5	55.4	75.3	48.6	42.8	0.00	0.03	55.7	53.6	54.6	51.9	49.9	50.7
28	29.2	10.7	156.2	4.98	60.7	38.9	49.5	95.1	55.3	43.6	0.62	0.01	54.4	51.4	53.2	50.3	48.4	49.3
29	26.5	10.9	282.8	11.43	49.9	31.5	39.6	93.3	42.4	32.2	0.09	0.04	51.7	47.9	49.5	48.7	45.0	46.3
30	21.6	7.1	148.9	23.25	65.0	28.7	50.3	94.6	30.5	34.0	0.00	0.11	52.7	45.7	49.1	48.2	43.1	45.6
31	24.4	10.6	199.9	8.64	65.5	46.2	55.5	92.4	22.9	39.6	0.19	0.03	53.2	50.3	51.4	48.5	46.6	47.4
TOT				447.69							7.13	1.89						
AVG		8.3	193.1	14.44	60.3	39.4	50.3	83.9	39.4	36.7		0.06	51.4	46.6	48.9	46.7	43.3	44.9
MAX	40.3				77.7			96.4					58.2			52.8		
MIN						14.3			18.1					34.5			32.1	

Total Heating Degree Days : 474.4

Total Cooling Degree Days : 4.1

Total Hours of Wind > 8 mph : 360

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

Illinois Climate Network (ICN)
 April 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	19.3	5.9	191.0	24.39	65.3	38.7	52.7	81.2	24.4	31.1	0.00	0.12	54.3	47.9	51.0	49.8	44.8	47.2
2	30.2	7.1	333.2	9.21	68.1	42.0	53.6	94.8	39.6	45.3	0.65	0.04	53.7	49.9	51.9	49.5	46.7	48.2
3	27.2	8.7	317.7	24.69	58.2	35.9	48.0	90.2	31.7	35.5	0.00	0.11	55.3	50.4	52.6	50.2	46.9	48.5
4	21.0	6.0	128.4	23.63	66.6	32.0	51.9	93.6	25.6	34.2	0.00	0.12	54.7	48.8	51.7	50.4	45.9	48.3
5	35.0	12.3	257.5	14.25	70.5	40.0	56.9	90.9	30.3	45.3	0.36	0.07	56.5	51.3	53.5	51.4	47.8	49.5
6	29.9	13.0	314.6	6.85	40.3	35.5	38.0	90.4	59.2	30.2	0.05	0.02	53.1	47.8	50.0	49.8	44.7	46.7
7	26.3	9.1	298.9	24.16	52.6	32.2	41.0	85.0	27.2	24.9	0.00	0.10	50.5	45.6	47.9	46.1	42.6	44.3
8	29.7	6.0	298.5	24.84	64.5	30.1	47.4	86.3	24.3	29.4	0.00	0.12	51.9	45.2	48.4	47.3	42.6	44.9
9	38.3	5.5	113.4	10.74	61.5	31.2	47.7	92.4	31.8	38.3	0.56	0.04	50.0	46.5	48.6	46.6	43.8	45.5
10	23.4	7.9	321.2	4.24	60.5	44.2	49.8	95.3	78.1	46.9	1.02	0.01	51.6	48.7	50.1	47.3	45.4	46.3
11	16.1	5.8	20.1	26.17	58.6	37.4	48.7	84.3	36.0	34.9	0.00	0.12	53.9	47.5	50.5	49.6	44.4	46.8
12	24.2	9.0	93.0	11.80	56.3	37.5	49.1	90.0	36.5	35.4	0.22	0.05	51.2	48.5	50.0	48.5	45.7	47.0
13	19.0	6.8	217.9	8.06	59.9	47.4	52.2	96.8	69.3	48.8	0.43	0.03	53.4	49.4	51.3	48.8	46.1	47.3
14	20.1	7.8	309.6	4.31	48.1	42.8	45.3	92.6	71.7	39.5	0.00	0.01	52.3	49.7	50.8	48.4	46.0	47.0
15	19.5	5.8	0.2	23.14	58.2	40.1	49.4	91.0	45.8	39.1	0.00	0.10	53.6	48.1	50.7	49.4	44.8	46.9
16	16.3	4.4	76.0	14.89	60.4	36.4	49.9	96.0	58.3	43.1	0.00	0.06	54.3	49.2	51.6	49.4	46.2	47.8
17	25.6	3.2	171.4	24.96	76.0	38.1	58.6	96.4	36.9	46.3	0.00	0.13	58.6	49.8	54.0	53.1	46.4	49.5
18	21.9	5.8	192.2	11.33	69.5	49.2	60.2	93.8	51.8	52.2	0.18	0.05	57.7	53.6	55.9	52.9	50.0	51.6
19	26.7	7.9	263.2	10.17	69.7	54.4	59.7	97.1	62.0	55.9	1.21	0.04	60.2	56.0	57.7	54.5	51.7	52.9
20	26.3	11.3	305.2	22.27	65.6	47.6	56.4	81.9	30.7	39.4	0.00	0.11	59.0	55.0	57.0	54.0	51.1	52.7
21	28.2	9.1	293.3	23.81	60.8	40.5	50.2	74.0	22.9	31.1	0.00	0.11	56.6	52.5	54.5	52.8	49.4	51.0
22	19.3	4.6	238.8	25.95	72.0	42.4	58.1	87.5	29.1	39.6	0.00	0.14	59.8	51.5	55.4	54.4	48.4	51.2
23	29.4	9.4	177.9	14.59	80.4	43.4	67.0	94.4	33.5	50.6	0.00	0.07	59.7	54.2	57.2	54.6	50.8	52.8
24	33.6	14.2	210.2	24.17	81.2	67.6	74.5	60.7	38.0	54.8	0.00	0.14	63.4	58.0	60.5	57.8	53.6	55.5
25	32.1	12.8	208.8	24.62	82.5	68.7	74.9	69.1	43.7	57.8	0.00	0.14	65.7	60.3	62.8	59.9	55.7	57.7
26	33.7	11.7	192.3	25.46	82.8	66.7	75.0	69.8	34.8	55.4	0.00	0.15	66.7	61.3	63.9	60.9	57.0	58.9
27	30.1	9.7	193.8	12.76	78.2	65.2	71.2	95.1	49.2	60.2	0.01	0.06	65.2	62.6	64.0	60.2	58.0	59.3
28	20.0	4.4	297.2	12.32	70.3	61.6	64.8	97.6	76.8	62.2	1.37	0.06	66.5	62.7	64.4	60.9	58.2	59.4
29	12.9	3.4	99.1	18.44	79.4	61.4	68.9	97.4	54.5	62.7	0.03	0.10	69.3	63.6	66.2	63.3	58.9	60.9
30	22.6	6.8	212.9	8.14	74.4	61.9	66.7	96.4	66.7	62.9	0.86	0.03	67.7	65.1	66.6	62.5	60.6	61.6
TOT				514.34							6.95	2.45						
AVG		7.8	252.4	17.14	66.4	45.7	56.3	88.7	44.0	44.4		0.08	57.5	52.7	55.0	52.8	49.1	50.9
MAX	38.3				82.8			97.6					69.3			63.3		
MIN						30.1			22.9					45.2			42.6	

Total Heating Degree Days : 313.8

Total Cooling Degree Days : 46.0

Total Hours of Wind > 8 mph : 338

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

Illinois Climate Network (ICN)
 May 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	24.5	5.5	318.1	11.83	73.1	51.7	61.2	97.5	71.7	57.2	0.06	0.06	67.3	63.4	65.2	61.8	59.3	60.5
2	12.8	3.6	62.5	10.30	60.8	50.8	55.7	95.5	62.0	50.2	0.62	0.04	63.8	60.9	62.5	59.9	57.2	58.3
3	14.8	4.4	55.0	6.31	62.2	54.2	57.2	95.9	63.7	52.6	0.26	0.02	62.4	60.6	61.6	58.2	56.5	57.3
4	16.5	3.6	69.7	19.09	68.5	50.2	59.9	97.2	44.6	52.1	0.00	0.09	65.1	59.4	62.2	59.2	55.4	57.2
5	11.1	3.0	193.3	20.51	73.2	51.3	63.6	96.3	45.7	54.2	0.01	0.11	66.7	60.9	63.9	61.2	56.6	58.9
6	9.9	3.0	34.4	7.43	66.9	56.8	61.4	97.3	81.1	59.3	0.39	0.03	65.4	63.0	64.1	60.6	58.6	59.5
7	32.9	5.6	214.5	19.79	80.3	56.7	69.9	100.0	43.5	62.5	0.02	0.11	69.0	62.3	65.3	62.5	57.9	59.9
8	77.4	7.6	234.6	10.76	76.2	58.9	66.5	97.3	62.9	62.2	2.27	0.05	67.7	64.9	66.2	62.0	60.1	61.0
9	17.0E	7.6	330.6	18.35	67.7	49.6	61.0	100.0	48.5	52.6	0.00	0.09	67.3	63.7	65.2	61.6	59.1	60.3
10	13.0E	6.1	73.1	17.04	67.7	44.5	56.7	97.4	36.9	46.1	0.04	0.08	64.7	60.8	63.0	60.4	57.1	58.9
11	13.0E	6.0	0.9	26.41	70.7	49.0	59.3	95.3	40.3	49.3	0.00	0.14	66.8	60.4	63.5	62.0	56.8	59.3
12	18.4	7.2	136.1	27.46	74.2	44.1	62.2	69.7	35.4	47.5	0.00	0.13	67.3	62.1	64.0	62.1	57.9	59.9
13	34.1	12.6	191.0	16.07	81.5	63.6	72.4	92.0	61.7	64.9	0.02	0.09	68.9	63.8	66.2	63.1	59.5	61.2
14	33.0	4.8	286.9	24.39	76.4	57.8	66.9	94.9	39.5	57.7	1.25	0.13	72.3	65.3	68.5	65.6	60.8	63.0
15	24.5	7.9	211.7	23.25	84.0	58.0	72.7	95.2	56.3	64.7	1.07	0.13	72.8	66.6	69.6	66.6	62.0	64.2
16	24.8	7.5	338.2	15.20	68.1	50.2	62.2	97.3	38.8	53.6	0.06	0.07	70.7	65.7	68.5	65.7	62.2	63.9
17	20.5	6.5	31.0	30.35	64.4	43.9	54.7	91.8	30.0	38.8	0.00	0.15	67.2	62.5	64.7	62.6	59.0	61.0
18	13.6	3.5	106.2	29.99	69.2	40.5	56.2	95.2	24.7	38.8	0.00	0.16	68.0	60.0	63.8	62.3	57.1	59.8
19	12.0	2.6	158.0	29.80	76.9	43.6	61.5	93.8	31.0	45.6	0.00	0.17	69.5	61.0	65.1	63.6	57.6	60.6
20	18.1	4.0	182.5	30.77	80.1	46.0	65.3	95.6	28.1	49.4	0.00	0.18	70.4	62.3	66.3	64.6	58.9	61.8
21	15.7	3.2	204.3	26.43	82.6	53.1	69.3	95.3	41.3	58.1	0.00	0.15	71.5	63.8	67.6	65.8	60.2	63.0
22	15.0	2.3	219.0	19.67	82.7	56.0	71.1	96.7	42.0	62.1	0.00	0.11	71.5	65.7	68.9	66.5	61.9	64.4
23	11.3	2.2	89.1	18.10	83.2	64.0	72.9	96.6	48.8	64.3	0.00	0.10	73.0	68.0	70.5	67.4	63.7	65.6
24	18.0	5.1	98.4	8.90	74.6	62.9	69.2	97.7	71.7	65.9	0.06	0.04	70.8	68.6	69.9	66.3	64.2	65.0
25	17.1	6.8	132.9	17.05	82.2	66.8	72.8	95.7	59.9	68.0	0.27	0.09	73.4	68.7	70.9	67.4	63.8	65.4
26	19.9	7.0	179.9	13.98	78.9	67.1	71.8	95.8	72.5	68.4	0.10	0.07	74.0	69.8	71.7	67.4	64.7	66.0
27	23.2	5.1	220.2	23.00	85.6	66.7	73.7	95.7	52.7	67.9	0.46	0.13	78.3	70.1	73.5	70.2	65.1	67.4
28	17.2	5.6	306.3	8.01	70.8	56.1	64.5	96.8	81.2	61.6	0.01	0.03	73.8	69.1	71.8	68.5	64.9	66.7
29	15.5	3.4	288.8	19.86	75.8	54.8	64.8	97.5	55.2	58.0	0.00	0.11	73.0	66.6	69.5	66.1	62.6	64.3
30	27.3	6.7	246.5	18.89	82.7	64.2	72.5	91.2	51.5	62.6	0.02	0.10	73.2	68.0	70.4	66.3	63.2	64.7
31	11.1	3.5	10.2	31.24	82.8	61.6	71.9	84.9	27.7	52.2	0.00	0.18	76.2	68.7	72.1	69.0	64.0	66.3
TOT				600.21							6.96	3.15						
AVG		5.3	202.9	19.36	75.0	54.7	65.2	94.8	50.0	56.4		0.10	69.7	64.4	67.0	64.1	60.3	62.1
MAX	77.4				85.6			100.0					78.3			70.2		
MIN						40.5			24.7					59.4			55.4	

Total Heating Degree Days : 91.5

Total Cooling Degree Days : 85.7

Total Hours of Wind > 8 mph : 154

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

Illinois Climate Network (ICN)
 June 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 SOIL TEMP 4" °F	MIN SOIL TEMP 4" °F	AVG SOIL TEMP 4" °F	MAX SOIL TEMP 8" °F	MIN SOIL TEMP 8" °F	AVG SOIL TEMP 8" °F
1	15.3	5.5	223.0	30.00	88.8	60.2	77.1	90.9	36.7	62.1	0.00	0.19	77.9	69.3	73.4	70.5	64.8	67.6
2	16.4	3.6	253.8	24.41	87.9	66.0	75.9	94.2	43.3	65.9	0.04	0.15	78.4	71.4	74.7	71.2	66.7	69.0
3	20.0	7.2	24.4	15.11	76.6	60.5	68.4	95.9	67.2	64.2	0.30	0.08	75.3	71.4	73.7	69.9	67.5	68.7
4	19.5	7.5	25.9	19.47	70.2	53.0	62.3	94.5	49.4	53.2	0.00	0.10	71.6	68.2	70.0	67.8	64.6	65.9
5	15.4	3.4	349.7	30.69	76.6	49.2	63.6	97.4	32.9	50.9	0.00	0.17	73.1	65.2	69.1	67.7	61.9	64.8
6	15.9	4.5	175.6	26.00	79.1	51.3	68.1	96.6	35.6	53.9	0.00	0.15	73.0	65.9	69.6	67.2	62.5	65.0
7	16.8	7.4	202.9	24.07	84.2	64.9	75.7	71.4	47.6	60.9	0.00	0.14	75.0	68.0	71.3	68.7	63.7	66.1
8	32.3	8.5	190.3	16.20	85.8	64.9	75.5	94.2	59.5	66.7	1.25	0.09	75.4	70.5	72.5	68.9	65.7	67.2
9	15.3	3.7	135.2	13.93	78.2	61.5	70.8	96.0	71.3	65.8	0.02	0.07	74.6	69.6	72.1	68.2	65.1	66.7
10	26.2	4.7	226.7	22.52	85.0	68.1	77.0	95.7	60.8	70.7	0.38	0.13	79.0	71.4	74.9	71.6	66.2	68.7
11	23.0	7.5	269.3	23.74	84.1	67.2	74.3	96.5	54.6	67.5	0.18	0.14	79.0	73.2	75.8	72.2	68.0	70.1
12	9.8	3.2	15.3	11.81	74.4	62.2	68.3	96.6	68.6	62.9	0.00	0.06	75.6	72.6	74.0	70.5	67.8	68.8
13	10.8	2.1	236.6	23.70	83.9	61.0	73.2	100.0	53.6	66.5	0.00	0.14	78.2	70.6	74.4	71.4	66.1	68.7
14	12.7	3.4	291.7	21.06	83.3	67.0	75.0	96.6	59.2	68.1	0.00	0.12	78.6	73.1	75.8	72.2	68.1	70.2
15	13.1	3.0	143.3	4.27	73.5	66.6	70.3	96.7	87.3	68.3	0.64	0.01	75.8	73.0	74.0	71.1	68.0	69.0
16	25.7	5.7	196.3	12.29	81.4	67.4	73.1	97.1	66.8	69.2	0.86	0.06	75.6	71.6	73.3	69.4	66.7	67.9
17	15.1	3.9	265.9	24.37	91.0	70.3	82.2	95.5	61.4	75.3	0.00	0.15	80.5	73.0	76.6	73.6	67.8	70.5
18	16.2	6.5	222.3	27.30	90.4	77.3	84.0	90.1	59.8	75.2	0.40	0.17	83.0	76.8	79.7	76.0	71.4	73.6
19	21.3	7.7	230.3	28.74	91.8	76.9	84.8	83.8	58.6	73.8	0.00	0.18	83.3	77.5	80.3	76.6	72.4	74.5
20	17.6	4.4	268.5	25.91	92.2	74.4	83.1	94.9	57.0	74.3	0.01	0.16	84.3	78.0	80.9	77.6	72.9	75.3
21	12.4	3.2	244.6	28.92	93.0	73.6	83.8	97.0	49.8	75.0	0.00	0.18	85.7	78.8	82.0	79.1	73.9	76.5
22	16.8	3.7	271.7	28.81	94.0	75.2	84.5	95.0	52.2	76.0	0.00	0.18	86.8	79.8	83.1	79.8	75.0	77.4
23	16.0	4.1	41.8	27.90	93.8	73.7	84.4	95.5	44.6	74.2	0.00	0.18	86.4	80.3	83.3	79.4	75.6	77.6
24	15.8	2.4	173.1	27.81	92.4	71.0	81.8	97.8	47.1	72.2	0.00	0.17	86.8	79.3	82.9	79.6	74.7	77.2
25	12.2	3.9	251.4	26.95	92.3	72.1	82.8	96.5	53.9	73.9	0.00	0.17	86.4	79.6	82.9	79.7	75.0	77.4
26	11.8	2.8	299.9	26.05	93.1	73.8	83.5	95.5	49.4	74.1	0.00	0.16	86.6	79.8	83.3	79.9	75.3	77.7
27	9.6	2.0	249.0	27.76	95.2	71.8	83.6	97.9	47.7	74.6	0.00	0.18	87.8	79.6	83.6	80.7	75.3	78.0
28	19.2	6.3	339.0	28.87	86.1	61.5	77.8	96.2	30.5	63.0	0.00	0.18	85.2	78.8	82.4	79.1	75.5	77.4
29	26.3	7.3	296.1	30.81	88.9	59.6	76.1	94.3	33.1	58.8	0.00	0.19	82.6	74.9	78.6	76.3	71.8	74.2
30	21.0	5.8	309.2	29.97	87.1	65.1	76.1	82.1	41.8	60.7	0.00	0.18	83.6	74.6	78.7	76.6	71.1	73.8
TOT				709.42							4.08	4.21						
AVG		4.8	254.5	23.65	85.8	66.2	76.6	94.1	52.7	67.3		0.14	80.2	73.9	76.9	73.7	69.4	71.5
MAX	32.3				95.2			100.0					87.8			80.7		
MIN						49.2			30.5					65.2			61.9	

Total Heating Degree Days : 5.5

Total Cooling Degree Days : 336.3

Total Hours of Wind > 8 mph : 133

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

Illinois Climate Network (ICN)
 July 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	16.3	4.4	314.0	21.52	81.2	59.4	71.9	95.5	50.3	61.2	0.00	0.12	80.2	74.2	77.5	74.4	71.0	72.9
2	16.1	4.0	331.1	25.27	81.5	60.6	71.8	95.9	49.3	62.1	0.00	0.15	81.3	73.7	77.4	74.7	70.1	72.4
3	11.4	2.5	298.6	28.24	85.1	60.1	73.3	96.9	45.2	63.5	0.00	0.17	83.8	73.3	78.4	76.3	69.9	73.1
4	20.2	4.9	133.4	6.65	76.2	66.1	70.6	96.0	81.4	68.1	0.74	0.02	79.3	74.5	76.3	74.8	70.6	71.9
5	15.2	4.0	354.4	5.06	73.2	63.7	70.6	97.4	80.2	68.0	0.00	0.01	75.8	73.1	75.0	71.3	69.3	70.4
6	14.6	2.9	3.5	23.78	83.8	61.5	71.9	99.9	44.6	63.7	0.00	0.14	79.2	71.2	75.0	72.8	67.4	70.0
7	8.8	1.6	298.2	27.43	85.9	58.0	73.1	97.9	44.6	63.5	0.00	0.16	81.2	71.3	76.2	74.4	67.7	71.1
8	12.3	2.8	212.8	28.02	86.8	63.5	76.1	98.0	38.9	65.2	0.00	0.17	82.2	73.8	77.9	75.8	69.9	72.8
9	11.1	2.4	209.5	27.75	91.3	64.0	78.6	96.0	40.7	67.8	0.00	0.17	84.0	74.6	79.1	77.0	70.6	73.8
10	15.6	5.0	199.9	14.53	87.5	73.1	80.0	83.7	52.6	70.0	0.00	0.08	81.4	77.1	79.1	75.5	72.6	73.9
11	26.4	7.4	177.9	7.86	84.2	70.3	76.5	95.9	72.8	72.1	4.45	0.03	78.4	74.0	76.2	73.8	70.0	71.5
12	20.6	2.6	63.6	9.59	82.5	66.6	73.4	98.0	77.3	71.1	0.67	0.05	79.2	75.2	77.0	73.0	70.6	71.7
13	14.8	3.9	96.1	25.61	82.5	65.4	73.2	99.7	55.4	67.2	0.00	0.15	81.2	74.2	77.3	73.8	69.7	71.7
14	16.7	4.3	151.5	19.84	82.8	61.6	74.4	98.1	53.8	66.6	0.00	0.11	78.9	74.4	76.9	73.1	70.1	71.8
15	17.5	5.3	212.8	12.16	88.6	69.5	77.3	95.1	69.7	73.2	0.08	0.06	80.5	75.5	77.6	73.7	70.8	72.1
16	11.3	3.7	226.7	23.80	85.5	69.7	77.5	100.0	55.8	71.8	0.00	0.14	82.6	76.1	79.1	75.8	71.3	73.4
17	24.8	8.2	315.4	27.93	75.5	63.6	70.3	95.7	45.8	59.2	0.47	0.16	79.9	75.3	77.5	74.9	71.6	73.0
18	16.3	4.2	319.7	15.06	71.9	59.7	66.0	94.2	55.7	56.7	0.00	0.07	75.8	73.4	74.6	72.1	69.5	70.4
19	9.2	1.8	271.2	20.96	77.1	55.5	66.2	97.1	44.4	58.1	0.00	0.11	76.9	70.8	73.8	71.0	67.4	69.2
20	12.2	4.1	165.3	25.72	81.5	60.5	71.6	94.6	46.6	61.7	0.00	0.15	78.3	71.8	74.9	71.9	67.8	69.9
21	16.6	5.4	134.2	8.01	74.0	64.7	68.2	95.5	63.2	62.3	0.44	0.03	75.5	72.1	73.7	71.1	68.0	69.3
22	16.1	5.3	340.7	9.91	74.9	64.0	68.9	96.1	70.4	65.1	0.01	0.04	74.0	71.4	72.6	69.0	67.2	68.1
23	17.1	4.1	281.3	28.14	83.7	62.5	72.5	96.9	46.0	64.6	0.01	0.17	78.4	70.5	74.2	71.9	66.6	69.1
24	16.3	4.8	241.0	27.83	87.2	64.3	77.2	95.4	51.9	68.7	0.00	0.17	80.8	73.5	77.1	74.1	69.3	71.6
25	19.5	7.0	237.4	19.28	83.8	70.0	77.6	96.1	62.0	70.1	0.11	0.11	80.5	75.5	77.8	73.7	70.9	72.4
26	16.1	3.9	302.1	28.17	83.3	64.2	74.2	97.6	47.4	65.9	0.00	0.17	81.4	75.0	78.0	74.4	70.4	72.5
27	10.9	1.9	225.8	28.50	87.0	61.4	74.7	98.0	44.8	65.3	0.00	0.17	82.0	73.9	77.8	75.1	69.8	72.5
28	24.7	4.2	209.3	15.33	83.0	68.0	74.0	97.2	66.1	70.2	0.16	0.08	79.0	76.2	77.8	74.1	71.6	72.8
29	12.3	3.8	294.6	20.29	82.3	66.6	73.9	97.6	62.0	68.6	0.00	0.11	81.0	74.9	77.8	74.0	70.5	72.2
30	14.9	4.4	224.0	9.68	80.4	70.4	74.4	95.7	75.3	71.2	0.30	0.05	78.7	76.2	77.5	73.3	71.4	72.3
31	12.1	3.6	315.6	27.28	80.5	61.7	71.6	97.2	46.5	63.8	0.00	0.16	80.8	74.5	77.3	73.8	70.0	71.9
TOT				619.20							7.45	3.49						
AVG		4.1	250.5	19.97	82.1	64.2	73.3	96.4	56.1	66.0		0.11	79.7	73.9	76.7	73.7	69.8	71.7
MAX	26.4				91.3			100.0					84.0			77.0		
MIN						55.5			38.9					70.5			66.6	

Total Heating Degree Days : 0.0

Total Cooling Degree Days : 252.5

Total Hours of Wind > 8 mph : 65

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

Illinois Climate Network (ICN)
August 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	21.8	4.9	215.7	18.75	81.8	60.1	71.5	98.5	59.1	66.1	1.53	0.10	78.0	73.6	75.7	72.5	69.5	71.1
2	8.6	2.2	305.0	25.18	81.6	60.4	70.7	100.0	49.8	64.3	0.00	0.14	80.1	72.3	76.0	72.9	68.5	70.7
3	19.1	6.1	206.4	25.98	88.0	61.8	77.3	96.4	62.9	70.8	0.00	0.20	80.1	73.5	76.9	73.8	69.2	71.4
4	45.3	6.7	234.5	16.43	88.4	67.9	78.1	96.0	54.2	72.8	0.68	0.13	81.4	76.5	78.5	74.6	71.9	73.0
5	10.8	2.3	329.9	15.33	82.1	65.7	72.9	96.9	64.2	69.0	0.00	0.09	80.1	74.9	77.2	73.3	70.6	71.9
6	10.6	2.6	29.4	26.89	84.0	65.0	74.3	101.0	48.6	66.6	0.00	0.18	82.2	75.6	78.5	74.9	70.9	72.8
7	15.8	4.4	184.0	23.69	85.9	61.8	75.6	98.1	62.1	69.5	0.00	0.17	80.4	75.1	77.8	74.2	70.8	72.6
8	22.0	7.5	204.9	26.48	89.0	71.2	81.4	94.6	61.1	73.7	0.00	0.22	81.7	76.4	79.0	75.2	71.8	73.5
9	23.1	7.4	209.2	27.15	88.6	75.1	82.0	93.6	55.6	74.0	0.00	0.23	82.4	77.6	79.9	75.8	72.7	74.3
10	39.7	6.0	234.3	22.78	90.5	70.9	79.9	96.7	59.1	74.3	0.88	0.18	83.8	78.5	80.6	76.7	73.4	74.8
11	11.9	2.9	297.0	12.77	82.9	67.5	74.2	97.6	62.5	70.4	0.00	0.08	81.0	77.2	79.0	74.9	72.8	73.8
12	14.4	2.9	7.5	25.62	81.9	62.1	72.1	98.4	46.2	64.2	0.00	0.18	80.7	75.3	77.9	74.6	71.2	73.0
13	8.9	1.7	96.8	27.46	83.9	62.6	71.3	96.5	41.1	62.4	0.00	0.18	80.8	75.2	77.0	79.4	75.9	75.2
14	10.1	2.0	126.1	24.19	86.7	60.4	74.4	97.6	44.7	65.8	0.00	0.16	80.9	74.2	77.6	79.8	75.6	77.7
15	16.0	3.8	178.1	25.11	87.5	64.3	77.6	97.7	47.0	68.6	0.00	0.19	81.8	75.3	78.6	80.3	76.6	78.5
16	21.8	6.9	187.8	23.59	88.1	74.0	80.8	91.3	57.2	71.6	0.00	0.21	82.3	77.1	79.6	80.7	77.7	79.2
17	21.6	6.3	192.2	23.55	86.9	70.2	78.3	96.5	60.4	71.5	0.36	0.19	82.8	77.6	80.0	81.2	78.1	79.6
18	42.4	2.6	302.4	17.36	84.1	67.7	75.9	97.8	68.3	71.2	1.35	0.11	82.5	77.0	79.7	81.2	77.7	79.5
19	23.5	7.2	201.9	22.73	86.2	70.3	76.8	98.3	63.6	71.6	0.20	0.18	82.2	77.2	79.4	80.9	77.9	79.4
20	33.3	7.9	225.5	17.42	77.7	66.3	72.2	94.7	67.6	67.2	0.49	0.13	79.1	75.6	77.5	79.8	77.1	78.2
21	17.5	6.9	279.4	25.22	80.8	65.0	72.4	93.9	45.9	61.1	0.00	0.21	79.1	74.0	76.4	78.5	75.8	77.3
22	17.6	5.6	335.7	21.27	74.3	55.2	65.2	96.7	47.8	56.4	0.00	0.16	76.8	72.6	74.7	77.7	75.0	76.2
23	14.8	2.6	12.8	19.92	74.2	53.0	63.6	97.9	50.9	56.7	0.00	0.13	75.1	69.8	72.4	75.5	72.4	74.1
24	13.6	2.3	86.9	24.21	77.4	53.1	65.2	97.9	53.2	58.4	0.00	0.16	76.0	69.2	72.4	75.5	71.5	73.6
25	11.4	2.2	189.1	25.72	81.6	54.6	68.7	98.0	52.0	61.5	0.00	0.17	77.9	69.6	73.6	76.3	71.6	74.0
26	11.4	2.3	191.1	24.19	86.5	60.3	73.3	97.8	46.4	65.7	0.00	0.17	79.9	71.7	75.7	78.0	73.3	75.5
27	13.2	3.1	189.4	24.04	86.7	62.5	75.4	97.9	42.5	66.1	0.00	0.18	80.7	73.3	77.0	78.7	74.4	76.6
28	19.2	4.0	281.7	11.88	78.9	65.4	72.5	97.4	68.2	67.3	0.37	0.08	78.6	74.4	76.5	77.8	75.5	76.7
29	13.8	4.7	327.4	21.92	80.2	58.4	70.5	96.4	49.7	62.5	0.00	0.16	79.2	73.4	76.0	78.1	74.9	76.5
30	16.3	4.3	355.4	22.26	70.8	54.0	61.9	96.9	47.4	53.8	0.00	0.15	75.8	71.1	73.2	76.5	73.3	74.8
31	14.0	3.4	30.6	19.74	71.9	49.5	61.6	97.5	47.0	53.6	0.00	0.13	73.2	68.0	70.7	74.2	70.9	72.8
TOT				688.81							5.86	4.95						
AVG		4.4	230.4	22.22	82.9	63.1	73.1	97.0	54.4	66.1		0.16	79.9	74.3	76.9	76.9	73.5	75.1
MAX	45.3				90.5			101.0					83.8			81.2		
MIN						49.5			41.1					68.0			68.5	

Total Heating Degree Days : 8.6

Total Cooling Degree Days : 256.3

Total Hours of Wind > 8 mph : 109

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

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

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

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