

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

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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

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

DAY	MAX	AVG	DIR	TOTAL	MAX	MIN	AVG	MAX	MIN	AVG	TOTAL	TOTAL	MAX	MIN	AVG	MAX	MIN	AVG
	WIND	WIND	WIND	SOLAR	AIR	AIR	AIR	REL	REL	DEW	PRECIP	EVAP	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	SPEED	SPEED	Ø	RAD	TEMP	TEMP	TEMP	HUM	HUM	POINT	IN	IN	TEMP	TEMP	TEMP	TEMP	TEMP	TEMP
	MPH	MPH		MJ/M*M	ØF	ØF	ØF	%	%	ØF			ØF	ØF	ØF	ØF	ØF	ØF
1	18.2	4.2	19.8	15.63	58.7	30.3	47.1	95.5	22.9	29.3	0.01	0.11	58.6	54.6	56.8	57.5	55.7	56.5
2	8.2	1.5	359.6	15.55	63.8	26.6	42.4	97.9	22.1	31.8	0.01	0.11	56.0	51.4	53.8	55.7	53.1	54.3
3	15.6	3.1	319.8	14.31	60.7	32.6	43.7	98.2	25.6	33.6	0.01	0.10	55.1	51.4	53.1	54.3	52.6	53.4
4	22.4	0.0	0.0	0.00	63.4	31.3	32.0	98.9	21.0	32.0	0.00	0.00	54.4	50.6	32.0	53.5	51.8	32.0
5	25.4	8.9	274.1	7.41	71.3	42.0	57.6	86.1	32.6	42.1	0.04	0.06	57.3	52.6	54.7	55.2	52.8	53.8
6	20.8	5.7	313.9	14.57	48.1	26.0	38.8	93.4	34.2	23.7	0.01	0.09	54.6	50.2	52.3	54.6	51.8	52.9
7	10.5	2.8	236.5	14.85	49.7	22.7	37.0	96.8	31.6	24.4	0.00	0.09	51.3	47.1	49.3	51.8	49.3	50.4
8	20.3	7.5	217.3	12.81	60.4	41.6	50.0	83.6	38.8	33.4	0.00	0.09	52.9	49.0	50.7	51.7	49.8	50.7
9	16.5	3.0	331.1	13.34	61.4	33.0	46.6	97.6	27.9	34.3	0.02	0.10	53.7	50.0	51.8	52.3	50.6	51.4
10	15.0	3.8	140.2	11.56	57.2	28.2	43.0	97.8	40.3	32.9	0.00	0.08	52.4	48.4	50.5	51.7	49.7	50.7
11	26.3	9.6	195.4	4.13	59.8	47.4	54.7	91.0	45.9	44.1	0.08	0.03	53.4	50.5	51.8	52.3	50.5	51.3
12	24.3	8.8	217.1	6.36	66.9	57.3	62.2	95.8	68.5	55.8	0.12	0.05	58.0	53.3	55.4	55.3	52.2	53.4
13	15.7	4.0	221.0	2.60	63.9	54.9	59.7	99.2	93.4	58.8	0.07	0.02	60.2	57.9	59.0	57.3	55.2	56.1
14	22.2	6.9	289.1	2.33	65.3	48.1	57.7	95.4	34.2	48.7	0.10	0.02	60.9	57.6	59.9	58.0	56.7	57.6
15	25.2	8.4	313.8	11.93	49.3	27.9	42.1	93.2	35.2	25.9	0.00	0.08	57.6	51.3	54.3	56.9	52.6	54.5
16	19.1	5.4	201.8	12.40	52.5	25.7	40.5	96.3	35.5	28.0	0.00	0.08	51.6	48.4	50.2	52.7	50.0	50.9
17	14.0	5.0	213.3	11.13	63.4	37.6	49.1	96.4	36.4	35.4	0.00	0.08	52.8	48.8	50.5	51.3	49.5	50.4
18	12.9	3.7	96.0	11.07	63.2	30.8	48.9	98.7	40.5	38.5	0.00	0.08	52.7	48.2	50.5	51.4	49.2	50.4
19	23.9	8.9	209.6	4.91	65.5	55.2	62.1	97.1	68.8	57.7	0.00	0.04	57.3	52.6	55.4	54.9	51.3	53.1
20	24.7	9.5	211.1	3.90	66.9	60.1	63.5	93.6	80.7	59.5	0.04	0.03	59.8	57.1	58.5	56.9	54.8	55.8
21	27.9	11.3	247.9	3.16	67.4	38.8	58.5	96.0	83.9	55.6	0.00	0.03	62.2	58.1	60.4	58.6	56.8	57.6
22	22.6	9.2	329.5	2.72	39.4	34.6	37.2	92.9	69.3	31.5	0.00	0.02	58.2	51.5	54.3	57.4	52.2	54.5
23	17.1	4.9	8.2	12.22	37.6	21.1	31.1	92.7	44.1	21.4	0.00	0.06	51.5	46.7	49.3	52.3	48.8	50.5
24	9.5	1.7	278.6	7.67	42.4	21.7	32.2	94.4	44.1	24.4	0.00	0.04	48.5	45.5	46.8	48.8	47.1	47.8
25	15.0	4.3	71.3	1.58	39.9	28.5	36.9	97.8	71.0	34.0	0.25	0.01	47.0	45.7	46.4	47.6	46.7	46.9
26	17.5	5.7	336.1	1.18	40.6	31.5	39.0	98.5	89.0	37.9	0.40	0.01	47.1	46.0	46.6	47.1	46.6	46.8
27	10.7	3.0	232.5	11.71	53.2	26.3	37.6	98.2	42.1	31.3	0.00	0.07	46.8	43.4	45.1	46.7	44.8	45.7
28	29.8	8.3	204.5	7.53	57.9	36.0	47.5	88.9	36.4	33.3	0.00	0.06	46.9	43.7	45.3	46.4	44.6	45.5
29	27.0	4.8	348.4	11.84	49.2	26.0	36.1	86.9	32.5	21.4	0.00	0.07	46.9	44.1	45.7	46.4	45.2	45.9
30	14.9	3.6	340.9	10.07	50.7	22.5	35.4	91.9	32.8	24.3	0.00	0.06	44.9	41.8	43.5	45.3	43.3	44.2
TOT				260.47							1.16	1.77						
AVG		5.6	256.5	8.68	56.3	34.9	45.7	94.7	46.0	36.2		0.06	53.7	49.9	51.1	52.7	50.5	50.8
MAX	29.8				71.3			99.2					62.2			58.6		
MIN						21.1			21.0					41.8			43.3	

Total Heating Degree Days : 581.9

Total Cooling Degree Days : 0.0

Total Hours of Wind > 8 mph : 218

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

DAY	MAX	AVG	DIR	TOTAL	MAX	MIN	AVG	MAX	MIN	AVG	TOTAL	TOTAL	MAX	MIN	AVG	MAX	MIN	AVG
	WIND SPEED MPH	WIND SPEED MPH	WIND Ø	SOLAR RAD MJ/M*M	AIR TEMP øF	AIR TEMP øF	AIR TEMP øF	REL HUM %	REL HUM %	DEW POINT øF	PRECIP IN	EVAP IN	SOIL TEMP øF	SOIL TEMP øF	SOIL TEMP øF	SOIL TEMP øF	SOIL TEMP øF	SOIL TEMP øF
1	24.9	8.8	145.1	3.75	62.3	32.3	45.5	66.6	31.6	26.4	0.00	0.03	46.1	42.8	44.1	45.1	43.4	44.1
2	34.1	13.9	246.6	0.82	64.0	31.3	54.1	97.2	39.8	48.0	0.87	0.01	54.0	46.1	50.2	50.5	44.9	47.8
3	25.7	6.3	297.1	11.51	39.0	25.8	30.4	91.3	50.5	21.7	0.00	0.06	49.7	44.0	46.0	49.4	44.9	46.6
4	15.1	4.9	226.5	10.19	50.5	30.9	41.0	81.1	38.8	28.6	0.00	0.06	45.8	42.3	44.1	45.0	43.4	44.2
5	28.2	8.8	336.5	2.33	47.9	24.7	37.9	85.7	52.2	28.2	0.00	0.01	45.6	42.8	44.8	45.1	43.8	44.6
6	12.1	4.4	143.6	7.65	35.0	17.5	28.0	95.1	53.4	22.3	0.00	0.04	42.8	40.1	41.4	43.9	41.6	42.3
7	9.4	3.7	50.7	3.17	40.0	33.5	37.0	97.3	69.7	32.2	0.19	0.02	43.5	41.6	42.6	43.0	41.9	42.4
8	13.3	5.4	47.5	1.09	39.5	36.6	38.1	99.1	95.4	37.4	0.16	0.01	44.0	43.1	43.5	43.4	42.9	43.2
9	17.4	4.8	347.0	1.08	39.2	34.3	37.6	99.4	97.5	37.2	1.76	0.01	44.3	43.7	44.1	43.6	43.4	43.5
10	12.3	4.4	19.5	1.53	38.5	32.7	35.1	99.1	96.5	34.5	0.92	0.01	43.7	42.5	43.0	43.4	42.5	42.8
11	23.0	7.6	222.0	2.90	65.2	38.4	51.3	100.0	89.3	50.5	0.51	0.02	50.4	43.2	46.4	47.1	42.7	44.2
12	20.0	5.3	5.2	1.77	39.5	36.3	38.1	98.3	90.8	37.0	0.69	0.01	49.6	46.3	47.3	47.1	45.5	46.2
13	15.3	5.4	313.2	1.38	38.3	31.6	35.4	98.5	80.6	32.9	0.20	0.01	46.3	44.1	45.3	45.5	44.0	44.8
14	17.8	3.5	66.6	7.81	39.3	23.8	32.9	97.6	72.0	29.3	0.00	0.04	44.2	41.6	43.0	44.1	42.3	43.0
15	26.5	7.5	22.3	0.80	35.7	29.0	33.3	98.5	83.2	32.2	1.22	0.00	43.0	41.3	41.9	42.9	41.4	42.1
16	28.7	9.6	294.0	9.37	30.8	21.8	27.5	98.4	67.5	23.5	0.03	0.04	41.4	40.8	41.0	41.6	40.9	41.2
17	12.2	2.5	194.0	11.24	41.4	26.5	29.3	97.9	58.2	24.8	0.00	0.06	40.5	39.1	40.1	40.3	39.8	40.3
18	24.3	8.8	204.6	5.58	47.4	33.1	41.5	85.1	51.0	32.5	0.01	0.04	41.5	38.4	39.7	40.8	39.2	39.7
19	13.6	2.4	232.4	11.01	52.2	28.6	39.6	98.3	48.6	33.8	0.03	0.07	43.2	39.8	41.5	41.8	40.3	41.0
20	16.3	4.2	122.1	1.48	50.2	30.4	44.1	98.7	84.2	43.0	0.18	0.01	44.4	40.9	42.6	43.0	41.0	41.7
21	15.8	4.8	154.7	2.87	53.3	44.4	48.2	99.5	91.6	47.3	0.03	0.02	47.5	44.4	45.9	45.3	42.9	44.1
22	35.3	11.4	173.2	2.85	57.8	50.0	53.6	97.8	73.9	50.7	0.74	0.02	50.6	47.5	49.1	47.7	45.3	46.4
23	33.6	12.2	260.4	10.77	50.2	27.8	34.7	87.5	37.5	20.8	0.00	0.06	50.6	42.9	46.2	47.9	43.7	45.9
24	18.7	6.0	238.7	10.45	48.2	28.0	35.6	93.9	42.2	23.7	0.00	0.06	43.0	40.6	41.9	43.8	41.5	42.3
25	14.7	3.1	161.3	11.17	50.7	24.6	35.4	96.5	37.6	27.3	0.00	0.07	42.3	39.1	40.6	41.8	40.1	41.0
26	13.6	2.9	199.7	8.24	51.1	22.7	36.3	98.1	39.6	28.9	0.22	0.05	41.5	38.5	40.1	41.0	39.5	40.3
27	10.2	3.2	68.5	1.44	39.0	32.0	36.9	99.1	87.6	35.4	0.01	0.01	41.8	40.7	41.4	41.3	40.7	41.0
28	20.9	7.3	246.2	2.30	45.7	34.8	40.8	97.2	59.9	36.0	0.09	0.01	43.4	41.7	42.4	42.3	41.2	41.7
29	13.9	3.2	311.7	8.64	41.3	26.7	32.9	95.6	55.6	25.7	0.00	0.05	43.2	41.0	41.9	42.1	41.1	41.5
30	16.0	5.5	195.9	9.43	45.9	28.5	37.4	95.4	58.1	31.6	0.00	0.06	42.8	40.2	41.2	41.5	40.4	41.0
31	37.5	10.5	244.4	8.56	54.1	26.4	40.1	97.8	37.0	31.3	0.04	0.06	42.7	39.5	41.2	41.5	40.0	40.8
TOT				173.18							7.90	1.03						
AVG		6.2	242.8	5.59	46.2	30.5	38.4	94.9	63.6	32.7		0.03	44.9	41.9	43.4	44.0	42.1	43.0
MAX	37.5				65.2			100.0					54.0			50.5		
MIN						17.5			31.6					38.4			39.2	

Total Heating Degree Days : 825.9

Total Cooling Degree Days : 0.0

Total Hours of Wind > 8 mph : 199

Illinois Climate Network (ICN)
 January 2008
 Monthly Summary for Carbondale

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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	35.0	14.4	298.3	10.70	33.6	16.7	26.6	74.0	33.5	11.5	0.00	0.06	41.1	37.4	39.0	41.2	38.5	39.7
2	21.6	7.8	319.4	10.60	20.8	10.5	15.1	86.8	49.1	5.2	0.00	0.04	37.4	35.5	36.1	38.5	36.6	37.4
3	16.6	5.8	180.1	11.47	32.2	8.3	20.5	90.2	46.7	11.7	0.00	0.05	35.5	34.8	35.1	36.6	35.7	36.1
4	32.0	12.9	197.5	8.77	46.0	25.7	36.0	62.9	29.8	16.2	0.00	0.05	34.9	34.6	34.7	35.8	35.3	35.4
5	36.3	14.5	197.2	2.30	56.4	44.9	48.9	96.9	57.8	44.2	0.01	0.02	40.3	34.6	36.3	37.9	35.2	36.0
6	33.8	16.5	203.4	2.06	65.4	56.3	62.1	94.0	78.4	57.4	0.01	0.02	49.1	40.2	45.0	44.7	37.8	41.4
7	34.9	15.0	196.3	2.65	67.7	62.7	65.1	87.8	64.9	58.5	0.00	0.02	53.2	49.1	51.6	48.8	44.6	46.9
8	39.8	13.9	225.9	0.94	64.2	41.5	56.8	98.7	75.1	52.7	1.46	0.01	55.0	52.3	53.8	50.7	48.7	49.8
9	14.8	3.3	69.5	9.51	49.6	30.6	39.7	96.9	48.9	33.8	0.00	0.06	52.3	47.8	49.6	50.1	46.8	47.8
10	30.9	6.7	224.3	1.77	51.9	29.4	41.9	99.4	67.3	39.2	0.08	0.01	47.8	45.1	46.6	46.8	44.6	45.3
11	24.8	6.1	275.8	10.92	46.5	27.3	38.1	94.8	42.1	29.7	0.08	0.06	47.0	44.3	46.0	45.3	44.2	44.8
12	21.5	5.7	193.7	10.56	53.7	26.0	40.8	98.4	32.4	28.9	0.00	0.07	44.4	41.5	43.3	44.2	42.0	42.8
13	21.8	7.9	307.3	1.86	45.8	25.2	32.4	86.3	59.8	25.0	0.00	0.01	44.3	40.5	42.8	43.2	41.2	42.4
14	21.1	6.6	288.3	6.35	36.4	22.4	30.6	89.3	49.4	20.8	0.00	0.03	40.7	38.8	39.7	41.3	39.6	40.3
15	14.8	3.7	250.1	12.12	37.9	15.2	25.7	88.2	34.6	14.0	0.00	0.06	38.9	37.2	37.8	39.6	37.9	38.5
16	16.3	4.7	155.9	4.20	40.6	21.3	32.4	95.9	39.9	21.9	0.00	0.02	37.6	36.5	37.0	38.0	37.2	37.6
17	21.9	7.6	242.2	1.56	39.4	24.6	32.5	97.7	67.5	29.7	0.01	0.01	39.0	37.6	38.1	38.4	37.6	37.9
18	19.0	7.3	224.3	12.64	39.0	17.1	28.9	87.4	37.1	17.8	0.00	0.07	37.7	36.2	36.7	38.1	36.8	37.2
19	25.7	8.9	339.9	12.45	30.9	7.7	16.7	83.6	37.5	3.9	0.00	0.05	36.4	35.3	35.8	36.8	35.9	36.3
20	10.8	2.7	22.6	12.62	23.7	4.7	13.6	81.1	33.8	0.7	0.00	0.05	35.3	34.6	34.9	35.9	35.1	35.4
21	27.8	9.1	173.7	11.53	40.4	10.8	28.0	82.5	24.0	9.0	0.00	0.06	34.6	34.3	34.3	35.2	34.7	34.9
22	26.6	7.3	271.5	4.59	38.3	15.6	29.1	91.3	45.7	22.8	0.01	0.02	34.4	34.3	34.3	34.8	34.6	34.7
23	17.5	4.2	220.3	12.73	35.4	10.6	24.3	93.2	40.5	15.4	0.00	0.06	34.4	34.1	34.2	34.7	34.4	34.5
24	23.3	8.3	351.1	13.15	28.9	7.8	16.9	78.2	32.6	3.2	0.00	0.05	34.2	33.9	34.2	34.5	34.3	34.3
25	18.9	5.4	172.4	6.03	28.4	4.3	18.5	85.9	36.6	5.4	0.00	0.03	33.9	33.7	33.8	34.3	34.0	34.2
26	20.8	7.9	210.6	8.13	42.4	25.6	31.8	94.6	60.8	27.0	0.00	0.04	33.7	33.7	33.6	34.0	33.9	34.0
27	16.1	6.2	208.4	13.33	46.1	25.9	34.9	97.3	52.3	29.8	0.00	0.07	33.8	33.7	33.8	33.9	33.9	34.0
28	47.2	13.8	195.0	3.05	54.5	30.7	42.3	97.5	39.6	32.4	0.00	0.02	33.9	33.8	33.8	34.1	33.8	34.0
29	42.1	17.5	236.0	2.85	63.9	18.7	46.0	95.5	56.4	40.1	0.16	0.02	39.8	33.9	36.5	36.9	33.9	35.1
30	18.0	5.0	251.4	13.66	35.3	15.3	24.6	69.0	29.9	7.9	0.00	0.06	36.9	34.8	35.2	36.4	34.7	35.2
31	17.1	6.5	81.7	1.65	31.0	27.0	28.9	98.3	56.1	23.7	0.00	0.01	34.8	34.7	34.7	34.8	34.6	34.7
TOT				236.75							1.82	1.21						
AVG		8.5	227.0	7.64	42.8	22.9	33.2	89.5	47.1	23.8		0.04	39.8	37.7	38.7	39.2	37.7	38.3
MAX	47.2				67.7			99.4					55.0			50.7		
MIN						4.3			24.0					33.7			33.8	

Total Heating Degree Days : 996.8
 Total Cooling Degree Days : 0.2
 Total Hours of Wind > 8 mph : 375

Illinois Climate Network (ICN)
 February 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	11.7	4.9	259.5	6.06	29.7	19.0	25.2	98.5	80.7	23.2	0.00	0.03	34.9	34.7	34.9	34.7	34.6	34.7
2	20.6	5.7	191.4	13.94	46.1	17.8	33.3	98.3	58.9	28.0	0.03	0.08	35.2	34.9	35.1	34.8	34.7	34.7
3	28.6	6.2	167.9	7.41	55.1	22.2	40.8	98.5	75.5	37.9	0.00	0.04	37.9	35.0	35.4	35.7	34.7	34.9
4	28.9	11.4	197.2	5.93	71.5	52.6	62.8	99.5	76.6	59.5	0.02	0.05	49.6	37.9	43.5	43.9	35.6	39.2
5	30.2	9.1	196.3	4.17	71.6	47.1	61.9	99.7	70.5	58.5	3.93	0.04	54.3	49.5	51.8	48.5	43.8	46.4
6	30.3	11.9	273.3	4.77	53.3	33.8	39.4	99.6	65.6	34.7	0.09	0.03	52.4	45.6	49.1	48.4	44.6	46.8
7	16.9	4.8	248.6	2.99	35.9	30.2	33.6	92.1	69.7	27.0	0.00	0.02	45.6	42.6	44.1	44.6	41.9	43.0
8	20.2	6.4	191.5	12.18	49.9	30.9	39.6	90.6	51.0	32.0	0.00	0.07	44.0	40.1	42.3	42.0	40.2	41.2
9	25.0	9.7	268.4	14.46	58.9	34.8	46.4	81.7	20.2	28.4	0.00	0.10	45.2	41.0	43.2	42.6	40.7	41.7
10	20.7	8.8	348.8	14.01	41.8	18.1	26.8	77.2	28.9	11.3	0.00	0.07	43.5	39.2	41.4	42.4	39.8	41.0
11	15.3	7.4E	76.9E	1.45	27.2	15.9	19.9	97.2	48.0	12.6	1.24	0.01E	39.2	36.3	37.4	39.8	37.0	38.1
12	18.0	8.6E	350.0E	2.07	29.0	18.0	24.1	98.1	88.0	22.8	0.25	0.01E	36.3	35.9	36.0	37.1	36.4	36.5
13	17.0	6.2E	263.2E	8.74	27.8	15.2	19.2	90.4	70.3	15.4	0.50	0.03E	36.1	35.5	35.8	36.4	35.8	36.1
14	20.9	9.8E	179.3E	12.28	45.0	19.4	31.6	92.0	61.8	26.1	0.00	0.06E	35.5	35.1	35.2	35.9	35.4	35.6
15	19.4	6.2	350.7	7.09	44.1	30.4	34.0	92.3	66.3	27.7	0.00	0.03	35.3	35.1	35.2	35.4	35.3	35.4
16	10.1	4.4	78.3	3.96	37.2	30.4	33.6	97.7	67.6	27.9	0.10	0.02	35.6	35.3	35.4	35.5	35.3	35.4
17	37.7	13.3	237.9	7.86	57.5	34.7	45.7	100.0	61.4	39.9	0.51	0.06	41.1	35.4	37.9	38.6	35.3	36.5
18	31.8	11.3	284.6	12.78	40.5	28.6	36.9	73.1	31.4	22.3	0.00	0.07	40.1	38.2	39.2	38.5	37.7	38.1
19	19.7	8.1	276.6	16.97	36.2	18.1	27.9	64.1	30.2	11.3	0.00	0.08	38.5	36.2	37.2	38.1	36.4	37.0
20	24.1	9.8	3.1	15.18	40.7	19.2	28.2	78.1	35.4	16.0	0.00	0.07	38.6	36.6	37.2	37.2	36.3	36.7
21	18.7	7.2E	77.9E	1.48	30.1	19.2	25.0	97.4	61.3	21.0	0.41	0.01	36.6	35.2	35.6	36.7	35.3	35.8
22	13.0E	6.2E	350.0E	2.37	30.2	24.8	27.1	98.1	87.7	25.5	0.05	0.02E	35.3	35.2	35.2	35.3	35.1	35.2
23	9.5E	3.7E	250.0E	7.03	32.0	24.7	28.6	92.6	80.8	25.5	0.22	0.02E	35.2	34.8	34.9	35.1	34.7	34.9
24	9.5E	2.5E	198.5E	3.08	35.1	29.6	32.2	98.0	92.2	31.3	0.08	0.01	35.1	34.9	35.1	34.9	34.7	34.7
25	18.1	6.0	170.8	4.15	43.8	32.9	37.9	99.1	85.2	36.3	0.11	0.02	37.9	35.1	36.1	36.4	34.8	35.2
26	30.8	13.9	321.9	2.29	43.3	26.1	33.6	99.7	53.9	28.2	0.01	0.01	38.2	36.4	37.6	36.8	36.2	36.7
27	25.3	7.0	307.9	10.64	33.3	22.9	27.7	93.9	55.7	20.5	0.00	0.05	36.8	35.5	36.1	36.3	35.3	35.6
28	18.5	4.8	164.2	12.41	44.8	21.4	35.1	93.1	43.4	25.2	0.00	0.07	38.1	35.1	36.5	36.6	34.9	35.6
29	25.7	9.4	254.5	15.36	58.9	31.3	48.9	89.2	39.6	36.5	0.00	0.11	45.0	38.0	41.4	40.8	36.5	38.5
TOT				233.11							7.55	1.29						
AVG		7.7	262.1	8.04	43.1	26.5	34.7	92.4	60.6	28.0		0.04	39.9	37.3	38.5	38.6	36.9	37.6
MAX	37.7				71.6			100.0					54.3			48.5		
MIN						15.2			20.2					34.7			34.6	

Total Heating Degree Days : 875.2

Total Cooling Degree Days : 0.0

Total Hours of Wind > 8 mph : 305

Illinois Climate Network (ICN)
 March 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 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	20.9	5.5	188.2	16.12	58.4	26.3	45.0	95.6	30.5	29.5	0.00	0.11	44.7	38.9	41.9	41.1	38.3	39.7
2	34.4	12.8	199.6	17.73	72.1	50.7	62.2	78.1	41.8	48.2	0.00	0.15	50.8	43.0	46.8	45.7	40.8	42.6
3	35.3	11.1	229.5	1.41	65.8	31.1	46.0	96.1	44.9	40.5	0.00	0.01	50.5	45.0	49.1	46.5	44.1	45.9
4	4.0	3.5	343.8	2.21	32.3	29.1	30.7	98.7	94.6	30.0	0.21	0.01	45.0	40.8	42.4	44.2	40.2	41.9
5	14.2	4.3	224.9	18.89	47.3	24.8	35.1	98.1	61.1	31.5	0.06	0.11	45.2	38.8	41.7	41.7	38.8	40.1
6	19.2	7.0	357.3	5.87	36.1	29.8	32.9	99.1	74.7	28.2	0.00	0.03	42.9	40.7	41.4	41.5	39.9	40.5
7	29.0	12.1	25.3	5.21	34.6	27.4	29.8	98.1	55.1	25.5	0.08	0.03	40.8	38.8	39.7	40.0	38.5	39.2
8	24.1	8.8	317.7	20.94	35.2	18.7	27.3	86.0	32.8	15.4	0.00	0.10	40.0	37.5	38.5	38.6	37.5	38.1
9	19.4	6.7	201.4	17.16	50.4	29.4	40.3	89.8	38.9	31.3	0.00	0.10	43.1	37.1	39.9	40.2	37.2	38.5
10	15.9	5.9	3.8	20.35	48.3	29.7	39.9	96.7	43.3	29.3	0.00	0.13	45.9	40.2	42.6	42.1	39.3	40.5
11	18.8	5.3	225.4	21.00	55.5	23.1	41.0	96.3	34.7	29.3	0.00	0.13	46.3	39.5	43.0	42.5	39.4	41.0
12	18.0	7.0	206.9	20.16	69.8	39.9	57.7	80.6	31.8	40.5	0.00	0.16	51.0	43.0	46.8	46.0	41.6	43.3
13	16.0	4.6	112.8	12.48	65.2	46.8	57.7	79.8	28.2	39.7	0.00	0.10	52.5	48.3	50.4	47.8	45.5	46.6
14	15.9	5.0	54.3	14.48	60.9	45.9	51.4	96.6	52.1	44.4	0.06	0.10	53.9	49.4	51.4	49.1	46.7	47.7
15	20.1	7.8	14.2	7.31	56.3	41.2	48.4	96.1	57.5	43.0	0.14	0.05	51.9	50.0	50.9	48.8	47.5	48.0
16	14.8	6.3	47.6	16.31	50.9	39.2	44.6	88.4	47.0	34.3	0.00	0.10	52.5	48.7	50.4	48.5	46.7	47.7
17	23.3	8.1	121.3	9.16	64.6	43.8	53.6	82.2	47.8	41.5	0.00	0.07	52.0	49.0	50.5	48.6	46.9	47.7
18	21.3	5.7	29.2	0.67	60.5	46.5	54.7	99.9	74.4	54.3	7.21	0.01	54.0	51.9	53.1	50.4	48.5	49.5
19	30.3	9.8	349.9	3.21	46.6	33.3	40.8	98.1	71.6	38.5	1.25	0.02	53.6	47.3	50.4	50.4	46.8	48.7
20	16.0	4.9	196.0	21.87	59.3	32.7	47.5	95.8	31.2	35.8	0.00	0.15	52.7	44.9	48.6	48.4	44.7	46.4
21	34.3	11.4	206.7	16.81	66.6	44.7	56.5	73.0	36.4	39.9	0.00	0.14	52.8	48.3	50.5	49.2	46.9	48.0
22	24.7	9.0	348.7	7.55	49.2	35.3	40.6	78.2	65.2	32.0	0.00	0.04	51.5	47.5	49.3	49.1	46.8	47.8
23	21.9	5.4	313.9	8.43	41.7	27.2	35.1	97.0	52.2	29.1	0.00	0.05	47.5	44.2	45.5	46.8	44.5	45.1
24	13.6	4.3	219.7	16.57	47.0	26.0	36.5	97.6	36.7	26.4	0.00	0.09	47.2	41.7	44.2	44.9	42.5	43.7
25	38.3	13.4	205.3	18.63	61.9	36.7	51.4	67.7	34.3	31.8	0.00	0.14	48.3	43.0	45.5	45.9	43.1	44.2
26	37.4	4.8	84.1	13.02	64.7	43.7	53.1	97.7	43.8	44.8	0.20	0.10	51.8	46.7	49.3	48.5	45.5	46.8
27	28.2	10.7	211.7	5.46	70.0	46.1	59.9	100.0	64.7	55.0	0.10	0.04	54.5	50.3	52.3	51.0	48.3	49.3
28	21.6	9.4	19.5	10.36	48.3	39.6	43.2	95.7	61.9	37.2	0.02	0.06	54.3	49.8	51.6	51.0	49.0	49.8
29	21.1	8.3	83.5	8.38	48.0	37.9	43.7	81.7	58.7	34.3	0.00	0.05	49.8	47.8	48.9	49.0	47.2	47.8
30	22.4	7.0	173.2	6.28	63.1	47.0	55.0	98.6	71.4	52.7	0.38	0.05	53.7	48.9	50.9	50.3	47.5	48.4
31	28.7	12.5	183.7	8.17	65.2	56.5	60.6	98.5	78.5	57.7	1.42	0.06	56.9	53.7	55.4	53.2	50.3	51.8

TOT				372.20							11.13	2.49						
AVG		7.7	212.8	12.01	54.7	36.4	45.9	91.5	51.5	37.2		0.08	49.6	45.0	47.2	46.5	43.9	45.0
MAX	38.3				72.1			100.0					56.9			53.2		
MIN						18.7			28.2					37.1			37.2	

Total Heating Degree Days : 602.2
 Total Cooling Degree Days : 0.0
 Total Hours of Wind > 8 mph : 330

558

Illinois Climate Network (ICN)
 April 2008
 Monthly Summary for Carbondale

559

DAY	MAX	AVG	DIR	TOTAL	MAX	MIN	AVG	MAX	MIN	AVG	TOTAL	TOTAL	MAX	MIN	AVG	MAX	MIN	AVG
	WIND	WIND	AVG	SOLAR	AIR	AIR	AIR	REL	REL	DEW	PRECIP	EVAP	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	SPEED	SPEED	WIND	RAD	TEMP	TEMP	TEMP	HUM	HUM	POINT	IN	IN	TEMP	TEMP	TEMP	TEMP	TEMP	TEMP
	MPH	MPH	Ø	MJ/M*M	ØF	ØF	ØF	%	%	ØF			ØF	ØF	ØF	ØF	ØF	ØF
1	21.8	9.1	330.9	16.86	59.0	40.0	49.1	96.0	56.3	41.4	0.00	0.11	56.7	53.5	55.6	53.3	52.4	52.9
2	18.8	5.8	74.5	23.76	55.0	32.5	45.5	93.6	41.8	34.3	0.00	0.16	55.2	50.2	52.7	52.4	49.7	51.1
3	21.8	6.3	151.8	3.49	59.5	43.5	50.0	99.1	69.6	48.4	2.87	0.02	53.8	51.4	52.5	51.5	50.1	50.7
4	19.3	7.0	334.0	3.91	58.7	36.4	47.3	99.0	73.0	44.6	0.18	0.03	54.2	51.3	53.1	51.6	50.5	51.1
5	16.3	3.8	83.0	24.44	59.1	31.8	46.2	99.3	46.9	38.8	0.00	0.17	55.3	48.3	51.6	51.6	48.3	49.8
6	20.6	5.1	172.6	24.85	64.9	35.0	51.6	99.1	47.1	44.2	0.00	0.19	57.6	49.9	53.6	53.1	49.4	51.1
7	15.3	4.0	354.7	23.93	70.3	45.9	58.8	98.6	29.6	46.6	0.00	0.19	60.0	53.2	56.3	55.0	51.5	53.1
8	31.3	8.4	180.4	9.23	70.1	48.9	61.5	89.3	62.0	54.1	0.00	0.08	59.4	55.8	57.6	55.6	53.5	54.5
9	17.2	7.6	46.4	11.82	58.4	44.1	51.8	93.5	65.7	46.2	0.00	0.08	59.2	56.4	57.9	55.6	54.3	55.0
10	32.9	10.8	164.6	2.20	72.0	53.9	63.1	97.6	72.1	59.9	1.50	0.02	60.1	57.4	58.6	56.4	54.8	55.4
11	34.1	14.9	250.7	24.57	66.4	48.2	60.1	89.5	31.9	44.4	0.00	0.20	61.6	58.2	59.7	57.4	55.9	56.5
12	26.1	11.9	279.5	6.02	48.7	37.4	43.3	92.6	46.9	31.6	0.00	0.04	58.2	52.6	55.0	56.5	52.1	54.0
13	22.0	8.0	316.7	9.39	42.9	35.1	39.2	95.2	72.5	35.2	0.05	0.05	52.6	50.8	51.6	52.1	50.2	50.7
14	20.8	5.6	349.8	15.28	49.7	32.6	41.4	95.0	42.2	32.2	0.00	0.09	52.1	49.6	50.7	50.2	49.0	49.6
15	21.2	6.3	185.1	27.29	58.5	28.3	46.2	97.7	30.4	31.5	0.00	0.19	54.7	47.3	50.9	50.9	47.5	49.1
16	32.1	10.2	194.4	26.96	67.2	44.9	57.7	71.9	28.9	38.7	0.00	0.22	56.7	50.2	53.2	52.4	49.3	50.7
17	33.3	10.3	197.5	25.74	71.3	48.5	62.1	90.9	48.3	49.1	0.00	0.22	59.7	53.1	56.1	54.8	51.3	52.7
18	29.5	10.7	182.7	9.46	66.3	49.7	59.0	95.1	65.0	52.5	0.25	0.08	58.9	56.5	57.7	55.3	53.9	54.5
19	18.4	5.5	271.7	10.21	58.7	45.9	51.4	97.5	58.4	46.4	0.05	0.07	58.0	56.1	57.0	55.1	53.8	54.3
20	10.7	3.2	254.2	26.07	71.6	44.6	59.0	98.1	45.0	50.2	0.00	0.21	62.8	55.4	58.6	57.5	53.5	55.0
21	15.3	4.6	155.6	26.59	77.8	45.2	63.5	99.3	37.7	51.6	0.00	0.23	65.2	57.9	61.3	59.5	55.8	57.4
22	16.3	4.2	164.1	16.20	78.2	53.6	65.8	97.9	51.6	56.5	0.12	0.14	66.0	60.7	63.0	60.8	58.1	59.2
23	12.9	3.1	91.5	25.83	84.4	52.8	69.8	99.6	35.5	57.7	0.00	0.23	68.5	61.7	64.9	63.0	59.4	60.8
24	25.3	9.2	178.6	9.56	73.1	61.9	69.4	87.8	56.2	59.0	0.00	0.09	66.5	64.5	65.5	62.9	61.7	62.2
25	35.0	12.8	208.0	21.06	79.1	52.9	70.0	95.2	44.8	59.4	0.34	0.19	67.8	64.1	65.8	63.4	61.5	62.2
26	17.8	5.9	322.7	27.49	65.1	43.0	53.6	96.3	30.3	40.6	0.00	0.20	65.6	61.5	63.5	63.2	60.2	61.3
27	21.5	6.0	12.9	18.28	62.4	39.6	51.6	99.1	41.5	41.7	0.00	0.14	62.6	59.6	61.0	61.1	58.7	59.4
28	31.0	6.6	304.6	17.31	57.0	37.4	46.0	99.1	35.0	36.5	0.01	0.12	60.2	56.7	58.5	59.0	56.4	57.4
29	11.1	3.4	271.4	27.65	60.3	31.9	46.2	92.8	27.9	33.8	0.00	0.19	60.5	53.9	57.0	57.0	54.1	55.6
30	29.1	8.9	189.7	24.49	76.7	37.9	61.5	97.1	32.1	45.1	0.00	0.21	62.4	55.9	59.2	58.4	55.1	56.5
TOT				539.94							5.37	4.16						
AVG		7.3	219.5	18.00	64.7	42.8	54.7	95.1	47.5	45.1		0.14	59.7	55.1	57.3	56.2	53.7	54.8
MAX	35.0				84.4			99.6					68.5			63.4		
MIN						28.3			27.9					47.3			47.5	

Total Heating Degree Days : 345.3

Total Cooling Degree Days : 8.0

Total Hours of Wind > 8 mph : 297

Illinois Climate Network (ICN)
 May 2008
 Monthly Summary for Carbondale

DAY	MAX	AVG	DIR	TOTAL	MAX	MIN	AVG	MAX	MIN	AVG	TOTAL PRECIP IN	TOTAL EVAP IN	MAX	MIN	AVG	MAX	MIN	AVG
	WIND SPEED MPH	WIND SPEED MPH	WIND AVG ø	SOLAR RAD MJ/M*M	AIR TEMP øF	AIR TEMP øF	AIR TEMP øF	REL HUM %	REL HUM %	DEW POINT øF			4" SOIL TEMP øF	4" SOIL TEMP øF	4" SOIL TEMP øF	8" SOIL TEMP øF	8" SOIL TEMP øF	8" SOIL TEMP øF
1	34.4	13.5	191.5	11.82	72.3	61.8	68.5	73.8	58.3	56.7	0.00	0.10	63.5	60.5	62.1	59.9	58.0	58.8
2	37.7	10.4	195.6	7.96	73.9	52.3	67.1	97.4	53.5	60.6	0.63	0.07	65.0	62.9	63.7	61.1	59.8	60.3
3	26.6	7.6	274.4	17.26	59.9	42.7	54.1	98.7	45.3	43.5	0.00	0.13	64.0	60.1	61.7	61.1	58.9	59.5
4	15.5	2.4	240.7	28.89	68.8	38.2	54.5	99.5	34.0	43.2	0.00	0.22	63.9	57.5	60.4	59.7	56.8	58.1
5	17.0	3.3	212.2	28.43	76.4	42.6	62.4	99.4	25.5	46.8	0.00	0.24	67.3	59.2	63.0	61.9	58.0	59.7
6	18.3	6.0	207.2	17.59	78.3	60.2	66.9	93.5	41.4	56.1	0.00	0.15	67.1	62.6	64.9	62.6	60.4	61.5
7	26.9	7.0	184.5	4.03	67.4	61.4	63.7	99.2	74.4	60.3	0.80	0.03	65.2	64.2	64.8	62.4	61.5	61.9
8	21.4	8.8	269.9	11.31	68.7	55.1	61.5	99.2	78.7	59.5	0.32	0.09	66.6	64.0	64.9	62.7	61.5	62.1
9	13.5	4.2	347.3	6.27	60.3	52.6	56.3	98.6	85.1	54.1	0.00	0.05	64.4	62.9	63.7	62.2	61.0	61.5
10	17.5	5.5	120.5	19.12	70.5	48.9	60.1	99.9	55.3	55.2	0.66	0.15	66.8	61.7	64.2	62.7	60.1	61.3
11	46.1	16.2	281.8	4.13	64.6	45.8	53.4	98.4	64.5	47.1	0.00	0.03	65.2	59.3	61.9	62.6	58.8	60.6
12	10.1	2.9	163.1	29.46	70.6	40.0	55.8	98.1	34.0	44.2	0.00	0.23	65.6	57.1	61.0	60.9	56.9	58.6
13	24.0	7.6	164.2	21.34	72.0	43.0	60.6	99.4	47.0	51.3	0.00	0.18	65.2	60.1	62.8	61.3	58.9	60.1
14	21.2	4.9	246.8	8.13	68.1	55.7	61.9	99.4	75.2	58.8	0.22	0.06	65.4	62.8	64.0	62.0	60.6	61.3
15	16.8	6.9	16.0	2.17	59.0	52.3	55.6	99.8	86.0	54.1	0.77	0.02	64.0	60.9	62.4	61.8	59.7	60.8
16	17.8	5.4	314.4	30.39	68.1	48.8	57.9	95.0	34.4	46.9	0.00	0.23	67.2	59.8	63.0	62.3	58.7	60.1
17	20.8	7.9	234.1	28.09	80.3	55.2	68.5	80.0	37.0	53.4	0.00	0.25	69.4	62.4	65.7	64.1	60.7	62.1
18	25.8	6.9	310.7	29.31	73.7	47.6	64.9	95.6	26.3	47.7	0.00	0.25	68.9	65.0	66.7	64.7	62.9	63.7
19	21.4	5.9	196.6	16.55	83.7	45.7	64.4	97.2	35.9	51.4	0.00	0.15	67.1	62.8	64.9	64.0	61.8	62.8
20	19.2	4.6	347.2	26.03	71.0	49.2	60.8	97.4	54.8	52.9	0.00	0.21	68.4	63.4	65.8	64.5	62.0	63.1
21	20.0	4.2	291.3	30.43	74.7	47.1	61.0	98.6	26.9	46.9	0.00	0.25	69.7	62.7	65.8	65.2	61.8	63.3
22	14.0	4.0	99.8	10.90	69.6	48.8	59.0	97.9	49.5	53.4	0.21	0.09	66.8	64.0	65.5	64.7	62.8	63.5
23	19.2	5.7	88.9	26.16	82.6	57.9	69.3	90.9	54.6	59.4	0.00	0.23	72.4	64.3	67.8	67.0	62.7	64.4
24	21.7	5.6	81.5	15.78	72.8	57.8	64.9	98.7	62.6	58.5	0.00	0.13	70.3	67.3	69.1	66.8	65.3	66.2
25	44.2	6.3	153.8	18.68	84.5	57.3	71.1	99.4	62.3	64.2	0.47	0.17	72.8	66.8	69.4	68.3	65.0	66.4
26	16.1	5.0	181.1	9.27	76.3	65.3	69.4	99.7	80.8	68.0	1.53	0.08	71.7	69.4	70.5	68.2	67.1	67.6
27	19.6	4.9	35.0	10.69	79.7	58.1	68.7	100.0	76.5	66.4	0.00	0.09	72.6	69.1	70.7	68.8	67.2	68.0
28	16.0	6.1	27.7	27.68	72.2	55.2	63.5	98.2	58.3	56.8	0.00	0.23	73.0	68.0	70.3	68.9	66.7	67.8
29	11.6	2.7	119.0	29.93	80.6	51.9	67.6	99.7	50.5	59.4	0.00	0.26	75.3	67.6	71.2	70.3	66.7	68.2
30	23.7	8.9	215.3	24.94	85.0	62.1	76.5	97.2	52.2	67.6	0.01	0.23	76.8	70.8	73.6	71.7	68.8	70.2
31	20.5	4.2	248.1	24.96	87.0	65.4	77.0	98.3	41.9	67.3	0.01	0.23	78.4	72.4	75.4	73.4	70.3	71.6
TOT				577.70							5.63	4.83						
AVG		6.3	224.5	18.64	73.3	52.5	63.5	96.7	53.6	55.2		0.16	68.4	63.6	65.8	64.5	62.0	63.1
MAX	46.1				87.0			100.0					78.4			73.4		
MIN						38.2			25.5					57.1			56.8	

Total Heating Degree Days : 116.9
 Total Cooling Degree Days : 51.3
 Total Hours of Wind > 8 mph : 216

560

Illinois Climate Network (ICN)
 June 2008
 Monthly Summary for Carbondale

DAY	MAX	AVG	DIR	TOTAL	MAX	MIN	AVG	MAX	MIN	AVG	TOTAL PRECIP IN	TOTAL EVAP IN	MAX	MIN	AVG	MAX	MIN	AVG
	WIND SPEED MPH	WIND SPEED MPH	WIND Ø	SOLAR RAD MJ/M*M	AIR TEMP ØF	AIR TEMP ØF	AIR TEMP ØF	REL HUM %	REL HUM %	DEW POINT ØF			SOIL TEMP ØF	SOIL TEMP ØF	SOIL TEMP ØF	SOIL TEMP ØF	SOIL TEMP ØF	SOIL TEMP ØF
1	15.2	2.5	276.4	25.57	85.5	65.9	74.7	99.6	50.2	67.3	0.00	0.23	79.4	73.7	76.3	74.4	71.5	72.9
2	15.9	3.5	185.7	20.74	84.1	61.7	74.8	100.0	52.2	67.8	0.00	0.19	78.4	73.4	76.1	74.2	71.9	73.0
3	29.0	9.8	204.9	21.66	89.4	67.4	80.1	95.4	47.7	70.7	0.01	0.21	79.3	74.3	76.5	74.7	72.2	73.4
4	28.6	10.4	205.0	22.55	87.2	69.3	80.8	95.1	56.2	71.2	0.01	0.21	79.7	75.5	77.4	75.3	73.3	74.3
5	25.7	11.6	184.4	21.00	87.9	77.6	82.0	83.6	61.6	72.3	0.00	0.20	80.3	76.0	77.9	75.9	73.9	74.8
6	33.0	11.4	197.7	22.34	89.2	78.2	83.1	80.3	57.2	72.0	0.00	0.21	80.5	76.1	78.1	76.1	74.0	75.0
7	25.7	10.5	205.4	29.68	91.3	79.4	84.6	78.7	49.8	72.1	0.00	0.29	82.5	76.7	79.2	77.4	74.6	75.7
8	26.7	10.0	203.0	29.42	91.9	79.3	84.9	76.5	43.7	71.1	0.00	0.28	82.9	77.4	79.9	78.0	75.4	76.6
9	23.1	8.0	226.5	23.09	89.9	68.8	80.2	97.5	52.2	71.1	0.08	0.22	82.5	77.6	79.9	78.1	75.8	77.0
10	15.5	3.9	239.7	29.40	83.2	63.2	72.3	97.2	37.8	64.2	0.00	0.26	83.8	76.2	79.5	78.5	75.2	76.8
11	17.9	6.1	157.2	29.46	87.1	59.6	76.1	99.9	50.1	65.7	0.00	0.27	83.1	74.9	78.8	78.1	74.5	76.3
12	20.5	7.6	173.6	26.80	90.5	72.7	81.7	86.6	53.9	71.6	0.00	0.25	83.6	77.1	80.1	78.7	75.7	77.2
13	38.9	5.8	215.7	19.77	86.8	67.6	75.6	98.8	65.2	70.5	0.12	0.18	81.7	77.6	79.5	78.2	76.2	77.2
14	11.3	2.2	248.2	28.67	85.9	64.5	73.8	99.7	36.1	66.2	0.00	0.26	84.5	75.7	79.5	79.2	75.0	77.0
15	17.9	3.9	217.5	28.57	88.0	63.2	76.5	99.7	49.4	68.2	0.00	0.26	84.4	75.6	79.7	79.3	75.3	77.2
16	15.6	4.5	320.4	23.25	84.3	63.4	75.0	99.2	41.9	62.8	0.00	0.21	81.9	76.4	79.0	78.3	75.9	77.2
17	17.3	4.1	334.8	29.91	79.8	53.0	67.6	97.2	29.5	52.9	0.00	0.26	79.7	73.0	76.3	77.1	73.8	75.4
18	13.5	2.7	263.0	30.25	81.1	51.8	68.0	99.3	34.1	55.0	0.00	0.27	80.7	71.2	75.7	76.4	72.3	74.3
19	15.4	3.0	245.8	24.33	84.3	58.7	71.6	95.1	33.8	59.9	0.00	0.22	81.0	72.6	76.5	76.6	72.9	74.7
20	8.7	3.2	99.9	12.69	75.5	62.5	68.7	99.5	69.9	65.3	0.53	0.11	78.0	73.2	75.6	75.7	73.0	74.3
21	12.8	2.6	283.8	23.80	85.2	62.1	71.6	100.0	40.2	64.6	0.00	0.21	81.0	73.3	76.8	76.7	73.1	74.7
22	20.6	3.5	309.0	25.81	82.0	58.7	71.2	100.0	46.5	62.6	0.00	0.23	79.3	72.9	76.3	76.0	73.2	74.7
23	14.7	3.5	310.7	30.65	85.6	60.3	73.2	99.4	29.6	60.4	0.00	0.28	81.1	73.5	77.0	77.0	73.4	75.2
24	14.7	4.4	162.6	23.86	86.1	57.0	74.3	99.5	52.5	65.5	0.00	0.22	80.2	72.9	76.6	76.7	73.4	75.0
25	20.1	7.1	205.4	25.92	90.7	73.1	81.5	84.4	44.8	69.6	0.00	0.25	82.5	75.1	78.4	78.3	74.8	76.3
26	29.5	6.3	222.5	25.94	89.8	69.8	79.5	94.3	44.3	70.2	0.00	0.24	83.3	76.3	79.5	79.2	75.9	77.4
27	40.2	8.0	208.6	20.22	87.0	68.0	76.3	95.9	57.7	70.9	0.36	0.19	82.5	76.2	78.6	78.5	76.1	77.2
28	26.3	8.0	237.9	13.83	78.8	70.2	75.9	89.6	64.2	69.3	0.00	0.12	78.9	76.1	77.4	77.1	75.9	76.5
29	24.4	8.4	275.8	18.52	76.7	64.4	71.1	95.6	57.4	62.8	0.00	0.16	76.2	73.3	75.0	76.3	74.2	75.0
30	13.3	4.6	325.6	27.84	81.6	59.6	70.5	98.8	34.9	58.6	0.00	0.24	78.4	71.2	74.5	75.7	72.3	73.9
TOT				735.54							1.11	6.73						
AVG		6.0	217.7	24.52	85.5	65.7	75.9	94.5	48.2	66.4		0.22	81.0	74.8	77.7	77.1	74.1	75.5
MAX	40.2				91.9			100.0					84.5			79.3		
MIN						51.8			29.5					71.2			71.5	

Total Heating Degree Days : 0.0

Total Cooling Degree Days : 318.6

Total Hours of Wind > 8 mph : 212

Illinois Climate Network (ICN)
 July 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 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	13.9	3.5	237.6	29.26	84.5	56.5	71.6	99.8	38.6	61.0	0.00	0.26	80.2	71.0	75.4	76.5	72.4	74.3
2	25.2	8.3	202.6	26.49	86.1	64.1	77.4	87.3	52.0	64.8	0.00	0.25	80.1	73.0	76.5	76.8	73.5	75.2
3	17.5	4.4	249.1	7.79	78.5	69.1	72.9	97.3	59.9	67.8	0.00	0.07	77.2	75.1	76.1	76.4	74.9	75.4
4	10.7	2.9	351.9	7.13	75.8	61.4	69.3	99.1	78.5	67.5	0.05	0.06	75.8	73.1	74.5	75.1	73.8	74.3
5	8.8	1.9	75.1	22.45	80.9	58.8	68.9	100.0	50.7	63.1	0.00	0.19	79.1	70.7	74.7	75.8	72.0	73.8
6	13.6	3.7	196.1	27.31	87.7	59.1	75.4	99.9	59.7	68.5	0.00	0.25	82.0	71.7	76.6	77.5	72.7	74.8
7	22.8	6.0	166.4	24.30	88.8	74.1	81.0	94.5	61.9	74.3	0.00	0.23	84.1	76.2	79.7	79.4	75.7	77.4
8	19.6	6.7	233.9	18.48	89.9	71.0	79.9	97.6	62.4	73.4	0.09	0.17	82.9	78.0	80.1	79.3	77.3	78.3
9	11.2	2.8	243.3	9.94	79.8	66.9	73.0	99.8	76.5	71.4	0.76	0.09	79.4	76.0	77.5	78.0	76.1	76.8
10	13.7	3.2	156.2	23.48	85.8	65.2	75.9	100.0	64.0	71.6	0.00	0.21	82.5	74.7	78.4	79.0	75.3	77.0
11	14.6	5.0	186.0	20.75	89.3	71.0	79.9	100.0	64.0	75.4	0.00	0.19	84.1	77.0	80.2	80.1	76.8	78.4
12	18.9	6.0	225.1	19.00	90.8	70.9	79.0	99.3	63.9	74.5	0.17	0.18	84.4	78.9	80.8	80.3	77.5	79.0
13	14.0	4.6	338.8	29.84	83.6	63.3	73.0	97.5	37.7	62.6	0.00	0.27	82.0	76.1	78.8	77.6	72.3	74.5
14	12.1	2.2	276.0	28.43	86.5	59.5	73.4	99.9	39.8	63.7	0.00	0.26	82.1	74.1	78.1	74.7	69.2	72.3
15	12.1	3.0	208.5	28.17	87.5	62.2	75.9	99.5	48.3	67.3	0.00	0.26	83.7	75.0	79.2	75.4	68.8	72.1
16	10.9	2.1	169.1	28.80	89.0	63.1	76.8	99.9	42.0	67.6	0.00	0.27	84.7	75.9	80.1	76.2	70.0	73.4
17	11.8	2.5	143.9	29.19	89.4	62.2	76.6	100.0	35.5	66.4	0.00	0.27	85.0	76.4	80.4	77.1	72.0	74.7
18	13.4	2.9	212.1	27.71	90.6	63.5	78.4	99.2	42.7	69.1	0.00	0.26	85.7	76.7	81.1	77.4	73.0	75.2
19	14.9	4.7	218.5	20.90	89.5	69.8	79.5	96.6	52.6	72.0	0.00	0.20	84.3	78.3	81.3	76.6	73.6	75.2
20	14.9	5.4	231.3	26.71	95.3	71.3	84.4	96.8	47.3	74.1	0.00	0.26	87.0	78.5	82.4	78.3	73.6	75.7
21	12.9	4.1	234.5	28.47	95.1	74.5	85.1	96.3	46.5	73.9	0.00	0.28	89.1	80.1	84.2	79.7	75.1	77.2
22	26.8	3.8	293.2	17.94	84.6	69.1	75.7	99.1	62.5	70.2	0.44	0.16	84.4	78.4	81.9	78.2	72.8	74.7
23	16.1	4.3	43.1	28.81	83.3	61.7	73.2	100.0	41.5	64.0	0.00	0.26	83.2	77.6	80.1	75.9	70.1	73.0
24	10.2	2.6	139.2	12.51	78.4	58.7	70.3	100.0	54.9	64.6	0.01	0.11	78.9	75.1	77.4	74.4	71.4	72.7
25	17.8	3.9	161.2	18.21	85.6	65.4	75.2	98.8	67.2	71.2	0.44	0.16	81.9	74.5	78.3	73.9	67.8	71.1
26	9.3	2.7	330.6	21.25	88.4	69.0	77.9	100.0	61.6	73.8	0.00	0.19	84.1	77.1	80.4	75.5	69.4	72.7
27	18.3	2.8	165.4	23.40	89.3	68.6	79.5	100.0	56.9	73.4	0.00	0.22	84.3	78.1	81.1	76.5	72.4	74.5
28	24.0	3.9	256.1	21.99	86.1	69.2	75.7	99.4	61.8	70.9	0.40	0.20	83.9	77.3	80.4	76.0	68.8	70.9
29	17.5	3.2	169.6	25.65	92.2	67.7	81.1	100.0	62.4	75.9	0.00	0.24	85.8	77.9	81.7	76.2	68.8	71.8
30	36.6	5.8	84.9	20.03	88.7	70.0	78.4	100.0	69.2	74.3	1.90	0.18	85.1	79.4	82.2	76.4	71.6E	74.3E
31	10.4	2.7	326.3	22.91	85.3	71.1	77.4	100.0	67.6	73.8	1.13	0.21	84.1	77.9	80.8E	71.1E	74.1E	75.2E

TOT				697.30							5.39	6.41						
AVG		3.9	212.3	22.49	86.7	66.1	76.5	98.6	55.8	69.7		0.21	82.9	76.1	79.4	76.8	72.7	74.7
MAX	36.6				95.3			100.0					89.1			80.3		
MIN						56.5								70.7				67.8

Total Heating Degree Days : 0.0

Total Cooling Degree Days : 352.1

Total Hours of Wind > 8 mph : 46

Illinois Climate Network (ICN)
 August 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 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	12.4	3.5	218.2	25.20	90.3	67.6	80.4	100.0	66.5	76.1	0.00	0.24	85.2	78.6	81.9	78.1E	74.5E	75.7E
2	12.9	3.1	339.3	24.72	88.3	70.1	80.1	100.0	48.4	74.1	0.00	0.23	85.4	80.7	82.9	77.6E	75.8E	76.6E
3	12.4	2.6	137.8	16.81	83.7	67.1	75.7	99.9	64.8	71.2	0.00	0.15	83.0	79.2	81.1	77.0E	75.0E	75.9E
4	16.4	4.5	193.8	25.50	89.8	66.8	79.3	100.0	61.9	73.2	0.00	0.24	84.3	78.0	81.0	76.6E	74.1E	75.4E
5	22.5	5.5	219.3	24.44	91.5	70.8	81.5	99.4	63.1	75.6	0.49	0.23	85.2	79.1	81.9	85.2E	75.0E	76.1E
6	13.2	3.7	260.9	19.25	86.8	74.1	77.9	99.7	67.7	73.8	0.00	0.18	84.1	81.2	81.1	78.2E	75.2E	76.6E
7	13.7	3.0	355.4	19.53	82.4	65.8	75.6	99.7	55.5	69.3	0.00	0.18	82.3	79.1	80.6	77.4	75.0	76.3
8	14.5	2.7	10.1	27.12	80.6	61.8	71.4	99.9	41.4	63.0	0.00	0.24	81.4	76.4	78.8	76.9	73.0	75.0
9	12.6	2.2	253.7	23.47	80.8	58.3	70.2	100.0	49.0	63.7	0.00	0.21	80.5	74.4	77.5	75.8	71.6	73.9
10	13.6	3.0	37.3	24.81	84.7	61.6	73.6	100.0	52.8	65.7	0.00	0.22	81.6	74.5	77.9	76.8	71.6	74.1
11	12.4	3.6	65.6	28.22	79.1	58.1	68.4	99.4	43.2	59.2	0.00	0.24	80.0	74.4	76.8	75.8	71.4	73.8
12	11.0	2.5	110.0	25.81	81.9	56.0	68.7	100.0	42.0	60.8	0.00	0.23	80.1	73.0	76.3	75.6	70.3	73.0
13	13.4	2.7	349.7	23.24	80.8	56.5	69.4	100.0	52.6	62.8	0.00	0.21	78.7	72.9	75.7	74.6	70.3	72.7
14	16.8	2.6	337.9	20.33	84.5	60.9	72.0	100.0	49.7	65.8	0.03	0.18	79.4	73.3	76.3	74.9	70.4	72.7
15	9.7	2.0	116.7	14.20	80.1	64.5	71.1	100.0	56.3	67.5	0.06	0.12	79.4	74.7	76.8	74.3	71.2	72.9
16	15.0	3.4	40.3	25.78	80.9	57.5	69.3	99.5	39.4	60.1	0.00	0.23	78.4	72.8	75.4	74.3	69.7	72.1
17	9.2	1.9	24.3	25.67	82.6	54.6	68.5	100.0	41.8	60.1	0.00	0.23	78.7	71.2	74.7	74.5	68.6	71.6
18	11.0	2.0	5.4	24.75	82.8	54.7	68.7	100.0	43.2	60.3	0.00	0.22	78.4	71.2	74.7	74.4	69.0	71.8
19	12.2	2.7	86.1	22.68	82.9	53.8	69.4	100.0	47.2	62.2	0.00	0.20	77.7	70.8	74.3	73.7	68.7	71.4
20	15.0	2.4	196.3	10.88	84.1	61.0	70.9	100.0	54.9	67.3	0.14	0.10	76.7	72.4	74.8	72.3	69.6	71.2
21	20.0	4.8	158.7	15.71	84.8	69.2	74.7	100.0	70.2	72.0	0.23	0.14	79.3	73.8	76.3	73.7	69.9	71.8
22	19.9	4.7	195.1	9.49	82.9	68.7	73.8	100.0	73.2	72.1	3.64	0.08	77.2	73.2	75.4	72.6	69.3	70.9
23	8.3	1.7	235.7	21.91	88.9	66.2	77.0	100.0	56.6	72.3	0.00	0.20	81.8	73.7	77.5	75.4	69.5	72.1
24	14.4	3.5	5.3	13.81	84.9	69.2	75.9	100.0	73.7	72.3	0.00	0.13	80.3	76.6	78.4	74.8	72.1	73.6
25	15.8	4.8	28.3	21.02	81.1	65.1	72.9	94.6	56.1	64.4	0.00	0.19	78.2	74.7	76.6	73.6	70.7	72.3
26	16.6	4.8	22.8	22.21	82.1	65.5	73.0	99.1	67.5	67.6	0.00	0.20	78.2	74.0	76.1	73.9	70.3	72.1
27	11.5	2.7	325.6	22.57	84.3	62.5	73.0	100.0	60.4	68.2	0.00	0.20	79.0	73.4	76.1	74.6	70.0	72.3
28	19.0	4.1	219.4	22.19	88.4	64.7	76.8	100.0	54.9	70.9	0.00	0.20	80.5	74.0	77.2	75.5	70.8	73.2
29	21.3	3.8	267.9	11.47	81.3	66.8	73.6	100.0	77.8	70.0	0.00	0.10	79.0	75.7	77.2	74.4	71.9	73.0
30	13.4	2.5	20.6	23.47	85.0	61.0	72.0	100.0	45.1	64.9	0.00	0.21	78.5	73.4	75.9	74.3	70.0	72.3
31	12.3	2.6	91.7	22.04	89.5	61.3	75.6	100.0	56.7	70.0	0.00	0.20	81.4	73.1	77.0	74.9	69.9	72.5
TOT				658.30							4.59	5.93						
AVG		3.2	3.2	21.24	84.2	63.3	73.6	99.7	55.9	67.6		0.19	80.4	74.9	77.6	75.5	71.4	73.4
MAX	22.5				91.5			100.0					85.4			85.2E		
MIN						53.8			39.4					70.8			68.6	

Total Heating Degree Days : 0.0
 Total Cooling Degree Days : 271.7
 Total Hours of Wind > 8 mph : 23

Illinois Climate Network (ICN)
 September 2008
 Monthly Summary for Carbondale

DAY	MAX	AVG	DIR	TOTAL	MAX	MIN	AVG	MAX	MIN	AVG	TOTAL PRECIP IN	TOTAL EVAP IN	MAX	MIN	AVG	MAX	MIN	AVG
	WIND SPEED MPH	WIND SPEED MPH	WIND Ø	SOLAR RAD MJ/M*M	AIR TEMP ØF	AIR TEMP ØF	AIR TEMP ØF	REL HUM %	REL HUM %	DEW POINT ØF			SOIL TEMP ØF	SOIL TEMP ØF	SOIL TEMP ØF	SOIL TEMP ØF	SOIL TEMP ØF	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

565

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	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

Total Hours of Wind > 8 mph : 115

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

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