

Illinois Climate Network (ICN)  
 September 2011  
 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 °	SOLAR RAD MJ/M*M	AIR TEMP °F	AIR TEMP °F	AIR TEMP °F	REL HUM %	REL HUM %	DEW POINT °F			SOIL TEMP °F	SOIL TEMP °F	SOIL TEMP °F	SOIL TEMP °F	SOIL TEMP °F	SOIL TEMP °F
1	18.1	5.0	206.1	23.10	96.6	68.0	82.5	93.8	30.8	66.8	0.00	0.22	83.2	76.7	79.8	80.6	76.4	78.5
2	12.5	2.7	219.2	22.82	97.7	65.8	80.8	95.7	33.1	67.7	0.00	0.18	84.6	76.9	80.4	82.0	76.8	79.1
3	15.0	2.1	235.4	20.57	97.7	68.3	81.4	97.5	32.2	69.8	0.00	0.16	84.9	78.1	81.2	82.4	77.9	80.0
4	19.4	5.5	349.1	5.00	76.4	66.0	71.7	92.6	57.6	64.6	0.02	0.05	81.5	76.6	79.1	80.9	76.8	78.7
5	29.3	10.0	21.0	16.33	72.7	56.7	64.3	83.9	39.4	51.3	0.00	0.18	76.8	72.8	74.8	77.2	73.7	75.1
6	23.9	7.6	2.3	24.38	73.0	51.5	59.7	87.5	35.3	46.8	0.00	0.21	75.0	71.1	72.2	74.6	72.1	72.9
7	23.6	6.0	342.9	24.40	75.4	48.3	60.3	95.3	27.3	48.0	0.00	0.20	74.2	68.3	71.0	73.6	70.0	71.9
8	19.4	5.4	339.8	21.19	77.1	48.5	62.7	95.3	33.7	50.9	0.00	0.17	74.8	67.4	70.8	73.5	69.3	71.3
9	13.2	3.5	273.3	5.03	68.8	59.2	63.1	98.3	74.8	58.8	0.01	0.03	73.1	70.3	71.6	72.5	70.5	71.4
10	15.2	2.6	259.3	12.97	75.7	59.0	65.7	98.4	60.0	61.7	0.00	0.08	74.9	70.4	72.5	73.2	70.1	71.6
11	10.5	1.7	326.5	17.21	81.7	57.9	67.8	98.8	45.3	60.9	0.00	0.11	76.8	70.8	73.6	74.7	70.7	72.6
12	13.6	3.4	208.7	22.54	86.9	54.7	71.6	98.8	37.4	59.8	0.00	0.18	77.8	70.1	73.9	76.0	70.7	73.2
13	19.8	8.0	221.7	21.85	93.7	69.1	79.7	77.5	26.7	61.2	0.00	0.24	79.4	72.6	75.7	76.8	72.5	74.6
14	24.9	6.7	18.8	2.54	74.5	55.3	63.5	96.6	61.9	59.5	0.96	0.02	76.4	69.5	73.1	75.8	70.5	73.4
15	21.6	7.6	23.1	22.44	65.3	46.9	55.9	92.6	34.4	42.2	0.00	0.18	69.8	66.3	68.2	70.9	67.7	69.1
16	12.1	3.7	70.8	18.65	69.3	52.1	58.9	93.7	33.6	44.9	0.00	0.13	70.5	66.1	68.1	69.9	66.8	68.3
17	9.1	2.0	160.7	8.11	69.9	53.9	61.3	95.5	46.5	53.7	0.03	0.05	70.6	67.2	68.9	69.6	67.4	68.4
18	18.3	4.9	168.3	6.74	75.3	57.5	66.5	97.5	68.7	64.1	1.23	0.04	71.8	68.2	70.0	70.6	67.8	69.1
19	16.7	4.7	267.4	8.50	72.5	55.6	66.8	97.7	74.3	63.6	0.01	0.05	72.6	70.2	71.3	71.2	69.2	70.2
20	8.8	2.1	154.8	13.65	78.8	53.8	65.4	98.8	59.1	61.2	0.00	0.08	73.5	68.7	71.0	71.7	68.3	70.0
21	17.6	3.8	271.1	20.07	79.1	54.6	67.2	98.7	42.5	60.5	0.00	0.14	74.2	70.0	71.9	72.5	69.4	71.0
22	11.0	2.8	329.1	3.24	63.9	52.1	57.5	98.2	71.1	54.9	0.11	0.01	71.2	67.9	69.5	71.3	67.9	69.4
23	16.4	3.0	233.4	16.42	69.3	43.9	57.6	99.2	51.9	52.6	0.09	0.10	70.0	65.6	68.0	69.2	66.0	67.7
24	8.7	2.5	87.1	5.46	64.5	52.8	58.2	98.6	72.1	56.2	0.64	0.02	68.8	66.7	67.6	68.6	66.4	67.3
25	16.3	5.1	43.7	0.49	57.0	51.7	55.2	98.7	95.0	54.6	3.42	-0.01	67.1	62.8	64.2	67.0	62.4	63.8
26	17.3	6.0	248.8	18.22	70.3	47.0	58.5	98.8	41.3	49.8	0.00	0.14	65.9	62.1	64.0	65.0	61.9	63.3
27	20.5	6.5	259.6	17.27	73.1	48.4	62.0	98.4	41.0	51.1	0.00	0.15	67.6	63.7	65.4	66.3	63.3	64.6
28	16.7	4.2	273.1	14.39	76.0	48.4	63.5	98.5	51.6	56.7	0.00	0.11	68.2	63.4	65.8	66.7	63.6	65.0
29	23.8	5.3	294.7	19.61	85.3	53.8	69.7	98.4	30.7	53.4	0.00	0.20	70.3	65.4	67.8	68.3	64.9	66.6
30	25.6	8.2	329.0	20.42	70.6	46.3	60.1	93.8	28.7	41.8	0.00	0.22	67.7	64.4	66.0	67.4	65.0	66.0
TOT				453.62							6.52	3.64						
AVG		4.8	208.0	15.12	76.3	54.9	65.3	95.6	47.9	56.3		0.12	73.8	69.0	71.2	72.7	69.2	70.8
MAX	29.3				97.7			99.2					84.9			82.4		
MIN						43.9			26.7					62.1			61.9	

Total Heating Degree Days : 79.2

Total Cooling Degree Days : 96.6

Total Hours of Wind > 8 mph : 134

Illinois Climate Network (ICN)  
 October 2011  
 Monthly Summary For Carbondale

DAY	MAX	AVG	DIR	TOTAL	MAX	MIN	AVG	MAX	MIN	AVG	TOTAL PRECIP	TOTAL EVAP	MAX	MIN	AVG	MAX	MIN	AVG	
	WIND	WIND	AVG	SOLAR	AIR	AIR	AIR	REL	REL	DEW			4"	4"	4"	8"	8"	8"	8"
	SPEED	SPEED	WIND	RAD	TEMP	TEMP	TEMP	HUM	HUM	POINT	IN	IN	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	MPH	MPH	°	MJ/M*°M	°F	°F	°F	%	%	°F			°F	°F	°F	°F	°F	°F	°F
1	19.5	4.3	359.2	20.06	63.6	38.4	50.4	98.7	37.6	41.0	0.00	0.14	64.9	61.4	63.4	65.5	62.9	64.1	
2	14.0	2.4	346.0	20.20	68.0	35.1	49.8	100.3	25.3	40.4	0.00	0.12	64.1	59.5	61.7	64.1	61.1	62.6	
3	12.8	1.8	298.7	19.48	74.9	38.6	55.3	99.8	24.6	44.2	0.00	0.13	64.8	58.9	61.9	64.2	60.5	62.4	
4	10.2	1.2	195.4	19.14	80.4	42.4	59.4	99.0	27.2	47.8	0.00	0.12	66.1	60.0	63.0	64.9	61.1	63.0	
5	10.9	1.6	165.8	18.73	82.3	43.9	61.4	98.9	30.8	50.6	0.00	0.13	67.0	61.1	63.9	65.7	62.0	63.8	
6	12.9	3.5	167.9	18.36	83.0	47.2	64.2	99.0	36.0	54.5	0.00	0.14	67.9	62.1	65.0	66.6	62.9	64.6	
7	17.6	4.5	176.0	18.22	82.3	52.4	67.0	97.6	37.5	56.4	0.00	0.15	68.8	63.8	66.1	67.2	63.9	65.4	
8	16.4	4.6	163.8	17.57	79.9	51.8	64.9	98.5	45.3	56.4	0.00	0.14	68.9	64.2	66.4	67.1	64.3	65.7	
9	14.6	2.9	142.1	17.60	79.4	47.0	61.9	99.0	34.4	52.0	0.00	0.14	68.3	63.5	65.9	66.9	64.1	65.5	
10	14.4	2.5	180.2	14.44	79.3	47.2	62.0	98.9	48.1	55.5	0.00	0.10	68.5	63.0	65.7	66.9	63.7	65.2	
11	7.0	1.2	191.5	10.68	80.7	54.8	65.2	98.5	44.4	58.2	0.00	0.06	69.2	65.0	66.9	67.6	64.8	66.0	
12	23.1	4.7	214.6	9.61	74.7	54.2	65.4	98.3	63.7	61.2	0.52	0.06	69.6	65.5	67.4	67.7	65.2	66.4	
13	23.2	7.6	284.5	8.96	72.3	57.4	62.5	96.7	46.5	54.4	0.07	0.09	68.3	65.5	67.1	67.8	65.5	66.3	
14	24.5	8.8	284.7	17.15	73.0	51.4	61.7	71.9	25.1	39.8	0.00	0.22	66.2	63.3	64.6	66.0	63.4	64.5	
15	20.9	6.5	265.0	17.46	70.8	41.8	57.3	84.5	28.2	39.4	0.00	0.17	64.2	60.8	62.6	64.4	61.7	62.9	
16	23.5	8.6	234.6	16.25	84.1	57.2	68.4	66.2	32.7	47.2	0.00	0.22	66.3	61.0	63.5	65.0	61.5	63.1	
17	16.9	4.3	34.7	11.72	66.6	45.9	57.1	92.3	32.4	40.6	0.00	0.10	64.8	62.1	63.4	64.8	62.5	63.6	
18	18.3	6.6	353.9	2.00	51.6	43.9	46.5	97.2	55.8	43.4	0.78	0.01	62.4	58.9	60.3	63.7	60.0	61.6	
19	27.9	11.8	315.4	3.04	47.5	43.1	45.3	93.7	71.4	41.0	0.22	0.03	59.4	56.7	57.9	60.6	57.4	58.9	
20	26.5	9.9	289.0	16.06	56.2	36.8	46.3	96.0	43.4	36.1	0.00	0.14	58.2	55.5	56.6	58.3	56.5	57.3	
21	16.8	4.0	288.8	16.38	61.4	34.6	46.2	98.8	30.9	35.1	0.00	0.11	57.7	53.9	55.7	57.7	55.1	56.6	
22	13.4	3.2	201.6	15.10	70.0	33.4	51.5	99.8	37.7	41.9	0.00	0.11	59.1	53.5	56.1	58.4	55.1	56.6	
23	18.1	5.4	207.8	7.59	70.1	47.1	59.0	93.8	44.1	48.3	0.00	0.08	59.9	56.4	58.0	59.2	56.6	57.8	
24	18.2	5.4	273.2	15.74	73.9	44.2	59.1	92.3	25.8	46.9	0.00	0.13	61.2	58.0	59.4	60.5	57.8	59.0	
25	30.3	10.9	208.7	14.83	77.4	44.5	64.5	96.7	27.6	47.5	0.01	0.23	61.7	57.6	59.5	60.5	58.0	59.2	
26	21.9	8.2	253.1	5.71	68.6	48.8	60.2	97.0	49.4	52.2	0.60	0.07	62.5	60.2	61.1	61.4	59.6	60.4	
27	17.7	5.8	350.6	5.90	53.3	37.6	47.1	98.6	60.0	42.5	0.00	0.04	61.3	57.0	59.1	61.1	58.2	59.6	
28	14.5	2.8	18.0	11.09	55.8	34.4	44.9	99.3	41.2	37.9	0.00	0.06	58.4	55.9	57.3	58.9	57.2	58.0	
29	16.3	3.1	285.7	14.94	61.2	30.9	44.4	100.2	23.1	32.8	0.00	0.10	57.3	53.7	55.4	57.8	55.1	56.3	
30	26.6	8.6	209.8	13.45	63.1	36.3	52.2	94.8	30.3	33.3	0.00	0.17	56.9	53.7	55.3	57.0	54.6	55.7	
31	21.9	5.2	268.5	14.77	63.6	36.4	48.9	93.2	26.0	34.0	0.00	0.13	56.9	53.7	55.2	56.5	54.5	55.5	
TOT				432.23							2.21	3.64							
AVG		5.2	260.9	13.94	70.0	43.8	56.5	95.1	38.3	45.6		0.12	63.6	59.5	61.5	63.0	60.2	61.5	
MAX	30.3				84.1			100.3					69.6			67.8			
MIN						30.9			23.1					53.5			54.5		

Total Heating Degree Days : 262.9

Total Cooling Degree Days : 11.6

Total Hours of Wind > 8 mph : 175

Illinois Climate Network (ICN)  
 November 2011  
 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 °	SOLAR RAD MJ/M*M	AIR TEMP °F	AIR TEMP °F	AIR TEMP °F	REL HUM %	REL HUM %	DEW POINT °F			SOIL TEMP °F	SOIL TEMP °F	SOIL TEMP °F	SOIL TEMP °F	SOIL TEMP °F	SOIL TEMP °F
1	21.0	7.3	198.5	13.84	69.9	36.5	55.3	93.3	29.4	35.2	0.00	0.18	56.6	53.0	54.8	55.9	54.0	55.0
2	25.8	9.3	191.9	12.73	69.3	58.5	58.6	56.7	41.6	41.6	0.00	0.17	57.7	55.6	55.9	56.8	54.9	55.7
3	23.7	8.8	246.8	2.85	59.1	42.6	49.2	98.1	49.5	45.1	0.42	0.03	56.8	55.5	56.2	56.6	55.5	56.0
4	16.5	4.6	359.8	2.77	49.8	33.8	45.6	100.0	78.7	42.3	0.01	0.01	56.3	53.9	55.3	56.1	54.7	55.5
5	16.0	4.0	161.0	12.62	61.7	30.4	45.2	100.9	48.6	39.4	0.00	0.08	55.6	51.9	53.9	55.2	52.9	54.2
6	26.8	11.9	186.1	5.85	61.9	50.9	56.9	77.9	49.4	42.6	0.00	0.13	56.0	53.4	54.6	55.5	53.6	54.4
7	21.6	7.6	194.1	6.60	69.8	56.4	63.2	90.5	61.4	53.5	0.00	0.08	58.9	54.9	57.0	57.4	54.6	55.9
8	26.3	8.6	189.9	8.62	72.4	58.6	64.2	97.9	58.6	56.0	1.25	0.10	60.9	57.3	58.9	59.3	56.4	57.5
9	30.0	10.5	270.5	7.32	63.2	34.1	49.4	98.1	62.2	43.4	0.27	0.08	61.1	55.4	59.1	59.8	56.5	58.5
10	28.0	8.3	288.0	12.50	48.8	27.9	39.7	90.7	25.4	25.7	0.00	0.12	55.6	51.1	53.5	56.8	52.9	54.6
11	28.6	9.0	204.9	12.93	60.0	24.6	45.0	97.8	32.5	30.1	0.00	0.16	52.6	48.5	50.7	53.1	50.6	51.7
12	36.4	15.7	201.8	7.67	61.3	47.5	55.1	67.0	49.9	41.4	0.00	0.17	54.1	50.9	52.4	53.3	51.4	52.3
13	42.6	20.0	210.1	8.18	71.1	60.4	65.7	77.4	63.1	56.1	0.00	0.18	59.5	53.7	56.2	56.7	53.0	54.7
14	36.0	14.2	215.0	5.99	74.0	54.8	67.6	95.9	67.2	61.1	0.57	0.11	62.2	58.2	60.3	59.7	56.4	58.0
15	24.5	5.5	181.5	1.96	59.3	51.1	56.0	97.3	82.4	53.9	0.54	0.01	61.6	59.1	59.9	59.8	57.9	58.7
16	24.3	8.7	356.7	10.68	56.9	40.1	46.8	98.2	35.7	32.5	0.07	0.11	60.0	54.1	57.2	59.0	55.4	57.4
17	18.6	5.0	313.1	12.80	46.4	26.7	37.6	89.0	20.2	20.4	0.00	0.09	54.7	50.5	52.8	55.8	52.6	54.1
18	30.4	11.8	188.0	11.54	54.3	33.3	44.1	60.8	22.0	21.4	0.00	0.18	51.2	48.8	50.0	52.7	50.5	51.3
19	35.7	14.5	197.1	6.29	64.6	47.4	56.6	78.9	46.8	44.5	0.00	0.14	54.4	49.3	51.6	53.3	50.2	51.5
20	22.5	6.5	303.6	1.38	60.2	41.5	48.8	98.3	78.6	46.8	0.33	0.01	55.3	52.8	54.2	54.8	52.9	53.7
21	19.1	3.5	354.8	1.65	49.2	43.7	46.9	99.0	98.1	46.5	0.49	0.00	54.0	52.3	53.2	54.0	52.4	53.0
22	23.5	8.1	310.3	1.86	61.3	45.7	49.9	98.9	88.1	48.6	1.02	0.01	55.1	53.1	54.1	54.3	52.6	53.4
23	19.3	5.5	317.3	1.63	46.4	43.0	45.0	93.4	82.4	41.8	0.00	0.01	54.3	52.5	53.2	53.7	52.3	53.0
24	18.4	8.1	196.7	5.80	50.7	42.4	45.0	95.7	76.0	42.2	0.00	0.03	53.6	52.1	52.8	53.1	52.1	52.6
25	30.2	10.7	202.6	11.25	62.7	44.6	52.6	95.2	53.8	44.4	0.01	0.11	54.2	51.6	52.8	53.3	51.6	52.5
26	25.5	9.8	189.4	3.89	64.9	44.6	57.9	98.3	59.8	51.6	1.02	0.06	56.7	52.7	54.5	55.1	52.4	53.4
27	21.8	9.9	337.6	1.15	44.9	37.4	39.8	96.8	84.0	37.4	0.45	0.01	56.2	50.3	52.8	55.1	51.2	53.0
28	28.5	11.6	353.9	1.26	38.5	36.2	37.3	98.0	85.9	35.4	0.80	0.01	50.6	47.4	49.0	51.6	49.0	50.3
29	24.0	12.0	331.2	1.82	40.5	33.5	36.7	98.8	70.4	33.2	0.67	0.02	47.6	46.1	46.6	49.0	47.2	47.9
30	11.2	3.3	296.5	11.72	42.8	24.2	32.6	97.5	44.4	24.9	0.00	0.05	46.5	43.9	45.2	47.4	45.5	46.4
TOT				207.15							7.94	2.44						
AVG		9.2	229.9	6.91	57.9	41.7	49.8	91.2	58.2	41.3		0.08	55.7	52.3	54.0	55.1	52.8	53.9
MAX	42.6				74.0			100.9					62.2			59.8		
MIN						24.2			20.2					43.9			45.5	

Total Heating Degree Days : 457.2

Total Cooling Degree Days : 1.3

Total Hours of Wind > 8 mph : 407

Illinois Climate Network (ICN)  
December 2011  
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	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	o	MJ/M*M	oF	oF	oF	%	%	oF			oF	oF	oF	oF	oF	oF
1	11.5	3.6	198.0	11.43	51.8	22.2	36.3	98.8	37.4	28.6	0.01	0.06	46.0	42.1	44.2	46.3	44.0	45.3
2	12.5	3.3	194.6	8.87	50.5	31.0	41.6	97.1	57.4	35.1	0.00	0.04	47.1	44.1	45.5	47.2	44.9	45.9
3	34.3	10.5	173.4	6.96	60.4	41.2	42.2	76.3	38.9	35.3	0.00	0.10	49.3	46.0	47.4	48.4	46.2	47.1
4	33.9	10.2	220.9	1.14	60.3	38.1	42.7	97.9	56.1	35.5	1.70	0.01	51.4	48.9	50.5	50.3	48.0	49.3
5	22.5	10.1	235.4	0.98	33.8	32.2	43.1	97.0	92.0	35.7	0.17	0.00	47.3	45.0	47.2	48.3	46.2	47.9
6	15.9	7.1	334.1	1.32	36.2	33.4	34.8	98.7	92.1	33.7	0.03	0.00	45.8	44.3	45.0	46.6	45.2	45.8
7	15.8	6.2	288.1	4.00	37.1	28.0	33.3	97.5	73.3	30.5	0.00	0.01	45.4	43.5	44.6	45.9	44.5	45.2
8	14.9	4.4	211.1	9.55	44.0	25.3	34.5	97.1	46.6	26.3	0.00	0.04	44.3	41.5	42.9	44.8	42.9	43.8
9	16.6	4.3	298.4	5.05	39.7	22.7	32.6	98.9	74.1	28.9	0.00	0.01	43.3	41.4	42.4	44.1	42.5	43.2
10	8.3	1.5	232.8	11.30	38.0	17.1	26.0	98.5	43.3	19.5	0.00	0.03	41.6	39.4	40.4	43.2	41.0	41.8
11	11.8	2.3	183.1	11.13	44.6	19.2	29.7	97.4	33.7	21.9	0.00	0.04	41.1	38.5	39.6	41.8	39.9	40.8
12	12.2	2.1	185.4	9.29	53.8	22.0	36.5	95.9	38.6	28.8	0.00	0.04	42.2	38.6	40.3	42.2	39.8	40.9
13	15.1	3.5	184.7	1.84	48.9	39.0	44.0	98.0	84.9	42.5	0.42	0.00	45.5	41.7	43.4	44.5	41.7	42.9
14	31.1	13.2	207.6	2.37	61.8	48.2	54.3	96.4	81.4	51.6	0.92	0.01	50.6	44.8	47.2	47.8	43.9	45.6
15	32.6	11.6	259.7	4.29	61.9	35.7	52.4	95.3	65.8	46.3	0.20	0.03	53.4	49.3	51.7	50.7	47.5	49.5
16	15.1	4.4	196.1	5.84	39.3	24.4	33.6	98.9	65.0	28.0	0.00	0.01	49.6	44.7	47.2	49.5	46.1	47.7
17	16.1	3.8	237.6	9.77	48.0	22.1	33.2	99.2	51.7	27.4	0.00	0.03	45.0	42.2	43.6	46.3	43.5	44.6
18	25.6	6.4	210.3	8.43	52.9	27.5	41.9	97.9	47.2	33.4	0.00	0.04	45.5	41.4	43.3	44.7	42.6	43.7
19	23.8	7.6	193.5	1.35	50.4	41.0	48.1	92.4	60.9	39.0	0.00	0.01	47.0	44.3	45.9	46.1	44.0	45.2
20	17.0	3.3	190.0	1.18	54.4	38.1	47.8	98.8	89.5	46.7	0.19	0.00	48.6	45.8	47.0	47.6	45.3	46.1
21	18.9	6.1	242.5	2.32	56.0	44.2	49.0	98.8	73.0	44.4	0.01	0.00	49.6	48.3	49.0	48.4	46.9	47.8
22	19.5	4.0	267.5	1.22	44.9	37.7	42.0	97.0	79.8	39.2	0.04	0.00	49.2	47.5	48.4	48.4	47.1	47.7
23	17.0	6.4	298.3	2.70	38.5	30.4	35.5	94.2	70.8	31.6	0.00	0.00	48.1	45.1	46.6	47.8	45.6	46.6
24	15.1	5.2	217.9	10.55	44.1	26.3	35.0	97.6	46.3	28.4	0.00	0.03	45.2	42.5	43.9	46.2	43.5	44.5
25	21.1	4.6	265.6	10.48	57.2	26.1	39.2	95.9	30.2	27.9	0.00	0.05	45.1	41.9	43.3	44.6	42.7	43.5
26	15.5	2.9	161.6	3.22	40.1	22.0	33.1	99.4	64.7	29.4	0.16	0.00	43.1	40.4	41.7	44.1	41.6	42.4
27	27.5	8.4	269.3	5.81	47.1	31.0	38.1	100.4	65.4	33.9	0.36	0.01	43.5	42.0	42.7	43.2	42.2	42.7
28	16.1	4.6	234.2	7.97	48.6	26.3	37.3	97.9	47.8	30.2	0.00	0.02	44.1	41.3	42.6	43.7	41.6	42.6
29	24.4	11.6	216.0	9.96	56.6	38.3	46.9	82.2	50.4	37.2	0.00	0.06	46.2	42.1	43.6	44.5	42.2	43.2
30	31.3	13.4	256.5	8.34	59.5	46.1	53.1	88.4	38.3	40.3	0.02	0.08	48.5	45.2	46.9	46.9	44.2	45.5
31	30.6	8.3	200.2	10.00	59.1	31.9	48.2	95.0	42.0	35.0	0.00	0.08	47.8	44.9	46.6	46.7	44.7	45.9
TOT				188.67							4.22	0.85						
AVG		6.3	227.9	6.09	49.0	31.3	40.2	96.0	59.3	33.9		0.03	46.5	43.5	45.0	46.1	43.9	45.0
MAX	34.3				61.9			100.4					53.4			50.7		
MIN						17.1			30.2					38.5			39.8	

\*\*\*As of 12/1/2011, potential evapotranspiration ("TOTAL EVAP") is calculated using the modified Penman-Monteith equation as outlined in FAO Irrigation and Drainage Paper No. 56 (<http://www.fao.org/docrep/X0490E/X0490E00.htm>).

Illinois Climate Network (ICN)  
 January 2012  
 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	AVG WIND o	SOLAR RAD MJ/M*M	AIR TEMP oF	AIR TEMP oF	AIR TEMP oF	REL HUM %	REL HUM %	DEW POINT oF			4" SOIL TEMP oF	4" SOIL TEMP oF	4" SOIL TEMP oF	8" SOIL TEMP oF	8" SOIL TEMP oF	8" SOIL TEMP oF
1	38.8	15.1	286.9	9.87	58.3	35.7	47.4	77.9	29.4	29.5	0.00	0.11	48.1	45.0	47.1	46.9	45.4	46.3
2	32.9	14.4	304.3	9.61	36.2	21.7	30.3	64.8	31.9	13.1	0.00	0.07	45.6	40.0	42.7	46.0	41.6	43.6
3	20.6	6.6	247.2	10.84	36.1	15.0	29.7	89.2	29.2	12.9	0.00	0.05	40.4	38.4	39.3	42.0	39.7	40.7
4	22.8	8.1	239.2	10.44	51.9	28.2	29.2	91.0	36.8	12.7	0.00	0.07	41.8	38.2	39.5	41.5	39.2	40.1
5	24.0	7.4	212.2	10.86	57.0	24.8	28.7	97.7	37.6	12.4	0.00	0.09	43.0	38.4	40.5	42.2	39.2	40.6
6	22.8	10.5	215.3	10.98	62.5	41.7	51.9	86.5	35.4	37.9	0.01	0.10	46.1	41.8	43.5	44.4	41.6	42.5
7	14.4	4.8	279.8	10.40	54.9	28.1	44.1	92.5	30.9	31.4	0.00	0.07	46.1	43.8	45.2	45.1	43.4	44.4
8	12.7	4.0	133.5	6.43	47.3	24.0	37.2	99.1	53.9	30.2	0.01	0.04	44.1	41.4	43.0	44.4	42.1	43.2
9	11.0	2.3	302.6	9.66	50.9	25.9	39.3	96.9	40.7	31.0	0.00	0.05	45.2	42.9	44.0	45.0	43.0	43.7
10	11.3	2.9	143.5	10.45	55.5	23.2	38.8	98.2	34.4	29.1	0.46	0.06	44.2	40.5	42.5	43.8	41.5	42.7
11	14.8	4.4	240.7	1.58	45.5	35.6	41.8	99.2	90.8	41.0	0.73	0.01	45.7	43.7	44.6	44.9	43.2	43.9
12	32.0	13.2	296.7	4.05	40.4	17.5	26.7	98.5	57.7	21.5	0.02	0.02	44.9	40.4	42.6	44.8	41.1	42.9
13	18.7	6.5	263.4	6.51	29.1	14.1	21.3	96.4	60.0	14.3	0.00	0.03	40.8	38.6	39.8	41.3	39.5	40.3
14	21.2	5.6	234.3	9.42	41.4	13.6	27.4	96.7	48.6	19.4	0.00	0.04	39.1	37.6	38.2	40.0	38.3	39.0
15	24.9	7.4	173.6	11.96	44.4	17.9	31.9	97.5	49.3	23.8	0.00	0.06	39.1	37.0	37.8	38.9	37.7	38.3
16	38.5	18.9	206.9	2.88	63.8	44.1	55.3	91.6	53.3	45.9	0.11	0.08	47.0	38.2	41.8	44.0	38.4	40.4
17	42.0	15.8	280.8	3.95	62.7	25.3	46.0	95.3	66.8	39.7	0.54	0.04	49.8	43.6	47.7	46.8	43.5	45.6
18	16.9	5.9	246.5	10.32	34.4	18.4	26.5	90.2	49.5	18.9	0.00	0.04	44.0	40.0	41.4	44.6	41.0	42.2
19	18.2	7.1	153.1	7.70	44.4	24.8	34.1	85.4	50.9	26.2	0.00	0.05	41.6	38.9	40.1	41.5	39.5	40.7
20	20.5	7.4	127.8	3.52	37.1	22.9	29.3	98.8	72.4	24.9	0.05	0.02	40.1	38.1	39.1	41.3	39.1	40.0
21	22.4	8.5	227.0	3.88	31.0	23.4	27.7	96.5	81.9	25.0	0.00	0.02	39.9	37.9	38.8	40.3	38.8	39.4
22	41.7	10.0	159.8	2.21	63.3	30.8	42.5	99.5	78.9	41.5	0.87	0.01	45.3	38.3	40.0	42.2	38.5	39.6
23	29.6	10.7	245.3	9.08	57.1	29.3	46.8	98.4	54.0	38.4	0.00	0.06	46.1	43.7	45.3	44.7	41.9	43.6
24	9.0	2.1	209.5	11.50	48.4	24.3	34.4	99.7	51.1	28.9	0.00	0.05	44.3	40.7	42.4	44.4	41.2	42.5
25	14.5	5.6	81.7	1.40	37.4	32.3	34.4	98.1	85.7	32.8	0.42	0.01	42.4	40.7	41.3	42.6	41.0	41.5
26	17.2	6.0	251.8	1.88	39.6	35.8	38.1	99.4	90.8	37.2	0.17	0.01	43.2	41.2	42.1	42.6	41.0	41.6
27	13.1	4.4	236.9	7.02	43.9	30.4	37.9	98.6	68.0	33.8	0.02	0.03	43.7	41.1	42.4	42.9	41.0	41.9
28	29.4	8.3	261.5	13.29	44.4	27.6	37.0	98.2	33.7	27.2	0.04	0.06	43.4	41.2	42.5	42.9	41.6	42.3
29	22.1	7.4	197.4	13.18	52.8	28.3	39.6	91.6	26.7	23.2	0.00	0.09	42.9	39.5	41.1	42.4	40.2	41.3
30	31.6	11.3	206.4	12.72	61.0	28.8	48.1	91.4	38.3	33.2	0.00	0.12	45.0	40.0	42.2	43.7	40.3	41.6
31	30.3	12.6	212.8	5.39	60.0	50.8	55.3	85.4	43.4	43.6	0.00	0.08	48.7	44.0	45.8	46.3	43.0	44.1
TOT				242.98							3.44	1.62						
AVG		8.2	221.9	7.84	48.2	27.2	37.4	93.6	52.0	28.4		0.05	43.9	40.5	42.1	43.4	40.9	41.9
MAX	42.0				63.8			99.7					49.8			46.9		
MIN						13.6			26.7					37.0			37.7	

Illinois Climate Network (ICN)  
 February 2012  
 Monthly Summary For Carbondale

DAY	MAX WIND SPEED MPH	AVG WIND SPEED MPH	DIR AVG WIND o	TOTAL SOLAR RAD MJ/M*M	MAX AIR TEMP oF	MIN AIR TEMP oF	AVG AIR TEMP oF	MAX REL HUM %	MIN REL HUM %	AVG DEW POINT oF	TOTAL PRECIP IN	TOTAL EVAP IN	MAX 4" SOIL TEMP oF	MIN 4" SOIL TEMP oF	AVG 4" SOIL TEMP oF	MAX 8" SOIL TEMP oF	MIN 8" SOIL TEMP oF	AVG 8" SOIL TEMP oF
1	20.5	3.9	244.3	8.76	63.2	38.8	53.5	98.3	45.9	47.2	0.00	0.06	51.1	47.5	49.2	48.6	46.0	47.1
2	10.3	2.5	166.0	13.18	61.6	29.4	45.7	99.7	33.3	35.2	0.00	0.08	49.1	45.0	47.4	48.1	45.3	46.7
3	12.5	4.0	118.7	3.26	56.0	34.8	45.6	97.4	44.2	35.1	0.26	0.03	47.8	45.2	46.8	47.2	45.2	46.1
4	20.9	4.4	191.0	3.32	55.5	46.8	45.7	98.6	85.6	35.1	0.43	0.02	50.6	47.3	48.7	48.9	46.2	47.2
5	13.0	4.5	265.5	1.43	48.2	30.3	45.8	100.2	88.8	35.2	0.07	0.01	50.3	47.0	48.7	48.7	46.9	47.9
6	15.0	2.5	263.3	8.28	51.2	29.3	36.1	98.9	50.4	31.7	0.00	0.06	47.1	45.1	45.6	46.4	44.6	45.7
7	13.5	2.8	280.4	8.20	50.2	25.4	38.2	99.9	49.4	32.7	0.04	0.04	46.2	42.4	44.5	45.7	43.1	44.6
8	14.6	6.2	310.4	3.19	36.8	32.3	34.5	98.4	71.5	30.7	0.05	0.02	45.6	43.3	44.4	45.4	43.7	44.5
9	11.2	3.0	244.6	3.75	36.2	25.5	32.6	98.7	64.2	27.3	0.00	0.02	43.7	41.8	42.8	44.1	42.2	43.0
10	30.0	9.5	252.2	3.44	38.2	25.3	33.9	97.5	66.6	30.0	0.08	0.02	43.5	41.5	42.4	43.2	41.9	42.4
11	29.0	12.9	330.6	15.74	28.4	18.0	23.3	90.7	37.8	11.0	0.01	0.05	41.9	37.8	39.2	42.5	39.1	40.4
12	18.8	5.9	279.8	15.84	36.1	17.6	24.7	89.8	26.9	9.7	0.00	0.06	38.3	36.9	37.4	39.3	37.7	38.4
13	22.0	7.3	193.3	4.67	36.9	19.2	29.0	97.7	40.3	21.8	0.14	0.03	37.7	36.3	36.8	38.3	36.9	37.5
14	14.3	5.9	222.5	6.64	42.3	30.9	35.7	98.2	67.6	32.5	0.05	0.03	41.0	36.5	38.4	39.8	37.0	38.3
15	16.8	6.5	176.9	2.96	47.6	33.8	42.7	97.5	85.6	40.7	0.44	0.02	43.1	39.0	40.7	41.9	39.0	40.0
16	19.1	5.9	294.8	4.78	47.3	29.6	43.8	99.3	72.3	40.5	0.04	0.03	45.1	42.3	43.8	43.7	41.2	42.6
17	14.9	2.9	224.2	14.38	53.5	26.3	38.7	100.1	34.7	30.8	0.00	0.07	45.4	40.8	43.1	44.1	41.0	42.6
18	15.0	5.5	151.8	6.27	45.5	31.0	39.7	98.0	54.6	32.7	0.00	0.04	44.7	42.3	43.4	43.7	42.1	43.0
19	19.4	7.1	60.8	14.21	44.0	24.8	36.0	95.8	43.9	26.3	0.00	0.06	44.0	41.3	42.7	43.6	41.5	42.7
20	22.1	6.9	160.4	17.45	51.2	21.0	38.1	98.3	27.8	24.5	0.00	0.10	44.0	39.3	41.6	43.2	40.2	41.7
21	32.0	10.4	226.3	8.98	55.7	41.2	48.1	80.1	41.0	36.2	0.06	0.08	46.1	42.5	44.1	44.6	42.1	43.2
22	20.5	7.3	201.4	9.33	61.5	37.2	51.8	91.5	35.8	39.3	0.00	0.08	47.4	42.8	45.0	45.9	42.7	44.0
23	27.9	8.8	196.0	11.56	70.7	38.9	56.7	91.7	48.1	45.4	0.00	0.10	50.7	45.2	47.8	48.3	44.4	46.1
24	34.9	14.0	290.7	5.60	53.8	32.7	42.1	83.6	42.4	27.7	0.00	0.08	49.9	44.6	47.2	48.2	44.8	46.6
25	25.0	7.4	252.2	17.82	42.5	27.4	35.3	77.7	28.9	19.3	0.00	0.08	45.6	42.5	44.1	45.5	42.6	44.0
26	29.8	10.5	186.2	18.10	60.6	25.3	46.1	80.9	27.0	25.0	0.00	0.14	46.6	40.9	43.7	45.1	41.7	43.4
27	17.4	7.5	140.3	17.61	56.2	39.2	48.6	68.2	30.8	30.0	0.00	0.12	48.1	44.0	45.9	46.7	43.7	45.0
28	29.6	6.9	162.6	7.59	65.4	29.3	50.3	90.2	40.6	37.6	0.04	0.08	49.3	43.4	46.0	47.2	43.7	45.3
29	38.3	13.4	251.1	13.68	71.0	51.2	62.2	93.2	20.3	42.0	0.42	0.17	54.1	49.1	52.1	51.8	46.9	49.6
TOT				276.00							2.11	1.77						
AVG		6.8	218.6	9.52	50.6	30.8	41.5	93.5	48.5	31.5		0.06	46.1	42.5	44.3	45.2	42.5	43.8
MAX	38.3				71.0			100.2					54.1			51.8		
MIN						17.6			20.3					36.3			36.9	

Illinois Climate Network (ICN)  
 March 2012  
 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	21.4	6.9	223.1	18.13	65.9	34.2	54.1	86.8	21.8	31.4	0.00	0.15	53.6	47.9	50.7	50.9	47.9	49.6
2	53.5	14.4	249.9	10.22	73.4	35.5	56.0	94.5	38.7	46.0	0.55	0.10	55.6	50.2	52.5	52.6	49.3	50.8
3	25.3	8.9	279.3	18.66	49.4	28.2	55.1	85.1	30.6	45.8	0.00	0.10	51.2	47.1	48.7	51.2	47.6	48.8
4	29.4	6.2	242.9	12.22	49.5	26.7	54.2	89.9	37.6	45.4	0.00	0.07	47.8	44.0	46.2	48.5	45.2	46.6
5	32.4	7.5	250.5	18.81	49.1	30.8	53.2	77.2	29.7	44.9	0.00	0.10	48.8	44.0	46.3	48.3	44.9	46.5
6	37.4	15.8	196.7	18.17	70.3	41.1	55.5	51.9	28.3	29.5	0.00	0.21	50.6	44.7	47.6	49.2	45.2	47.0
7	37.1	17.2	193.0	12.19	69.6	56.2	63.2	65.7	31.3	43.7	0.00	0.18	53.7	48.5	51.1	51.5	48.0	49.4
8	34.7	9.7	265.3	1.67	67.6	33.5	47.8	95.5	64.5	42.4	0.98	0.03	55.2	49.2	52.8	52.8	49.7	51.6
9	23.4	5.9	229.3	20.44	54.4	28.2	41.9	96.4	24.5	27.0	0.00	0.11	49.7	46.1	48.2	50.1	46.9	48.6
10	12.9	3.0	168.6	20.60	62.2	25.8	43.3	94.7	21.4	27.0	0.00	0.12	51.1	44.6	47.8	50.2	46.0	48.0
11	26.4	8.8	183.5	7.21	64.2	33.0	52.3	93.6	42.5	41.2	0.12	0.08	51.4	46.7	48.9	49.9	46.9	48.5
12	36.3	15.3	206.0	18.12	73.6	59.1	66.2	91.5	56.5	57.3	0.05	0.15	58.5	50.8	54.9	55.0	49.3	52.2
13	15.2	6.0	218.3	20.09	77.8	56.3	67.2	89.3	34.0	55.3	0.01	0.16	61.4	55.2	58.0	58.2	53.7	55.5
14	25.3	9.7	209.8	15.64	80.9	61.1	70.4	90.5	53.8	61.7	0.03	0.14	63.1	57.2	59.9	59.8	55.9	57.5
15	32.9	7.4	218.7	5.75	75.3	57.8	66.2	95.7	60.0	60.3	0.79	0.06	62.5	60.4	61.1	59.9	58.1	59.0
16	14.3	4.1	213.5	13.11	72.1	51.4	63.3	97.6	62.7	58.1	0.05	0.09	63.0	58.8	60.9	60.4	57.5	59.0
17	27.3	7.0	199.8	16.62	77.8	56.3	66.7	97.6	49.6	60.0	0.03	0.13	64.6	59.3	61.9	61.8	58.1	59.8
18	24.4	8.0	192.9	15.37	79.6	53.6	68.6	96.5	53.0	59.7	0.00	0.14	65.5	60.7	63.0	62.3	59.4	60.9
19	28.6	10.5	169.1	17.94	80.3	63.7	72.2	88.5	32.6	56.8	0.00	0.19	66.6	62.3	64.4	63.8	60.7	62.0
20	31.2	10.6	165.3	20.02	81.3	65.0	73.6	71.4	34.8	54.7	0.00	0.21	66.8	62.7	64.7	63.8	61.2	62.5
21	31.5	11.6	152.4	16.70	81.1	68.5	74.9	61.5	42.6	55.9	0.00	0.21	67.2	63.5	65.4	64.3	61.7	63.0
22	17.9	5.2	198.6	2.76	73.3	53.4	62.3	96.9	55.7	57.6	0.73	0.04	66.3	63.1	64.5	64.1	61.9	62.8
23	23.1	6.3	203.2	12.98	66.5	50.7	58.9	97.8	41.6	53.0	0.09	0.09	64.3	61.9	63.0	62.6	60.7	61.7
24	16.5	5.0	248.8	15.69	68.5	50.6	57.5	96.3	54.5	51.2	0.18	0.10	63.5	60.1	61.8	62.4	59.4	61.0
25	14.8	4.3	262.7	9.95	69.2	50.8	60.1	97.0	59.4	54.8	0.01	0.07	63.4	60.6	61.9	62.2	59.9	61.0
26	15.9	4.6	149.5	21.45	74.8	47.4	61.6	97.9	39.9	51.0	0.00	0.16	64.4	59.5	61.9	63.1	59.1	61.2
27	19.9	6.9	171.7	21.22	77.0	48.9	65.1	71.1	30.4	47.3	0.00	0.18	65.3	60.3	62.7	63.1	60.1	61.7
28	15.0	5.4	212.1	12.77	78.7	58.0	69.3	97.3	51.4	59.2	0.00	0.12	66.8	62.8	64.6	64.3	61.5	62.8
29	13.0	3.6	162.9	20.34	80.1	56.8	67.6	97.4	34.9	56.4	0.00	0.16	68.7	63.1	65.6	66.0	62.1	63.8
30	21.3	7.5	224.3	22.33	78.6	58.4	69.5	94.6	47.7	59.0	0.01	0.17	69.2	64.0	66.5	66.6	63.1	64.7
31	10.7	2.9	126.7	21.71	78.3	53.2	63.9	97.0	47.2	56.2	0.00	0.15	69.5	63.8	66.6	67.2	63.3	65.1
TOT				478.86							3.63	3.99						
AVG		7.9	206.1	15.45	71.0	48.2	61.4	88.9	42.4	50.0		0.13	60.3	55.6	57.9	58.3	55.0	56.5
MAX	53.5				81.3			97.9					69.5			67.2		
MIN						25.8			21.4					44.0			44.9	

Illinois Climate Network (ICN)  
 April 2012  
 Monthly Summary For Carbondale

DAY	MAX WIND SPEED MPH	AVG WIND SPEED MPH	DIR AVG WIND o	TOTAL SOLAR RAD MJ/M*M	MAX AIR TEMP oF	MIN AIR TEMP oF	AVG AIR TEMP oF	MAX REL HUM %	MIN REL HUM %	AVG DEW POINT oF	TOTAL PRECIP IN	TOTAL EVAP IN	MAX 4" SOIL TEMP oF	MIN 4" SOIL TEMP oF	AVG 4" SOIL TEMP oF	MAX 8" SOIL TEMP oF	MIN 8" SOIL TEMP oF	AVG 8" SOIL TEMP oF
1	20.6	7.9	217.3	20.79	85.4	61.5	74.4	80.3	43.7	60.7	0.00	0.20	70.5	64.9	67.7	68.0	63.8	65.8
2	16.0	4.7	221.7	23.28	86.8	65.5	75.7	85.8	36.9	62.7	0.01	0.20	73.2	66.8	69.9	70.2	65.5	67.6
3	19.2	5.0	220.2	18.21	78.3	57.9	75.4	95.9	49.8	62.6	0.02	0.14	71.9	67.5	69.9	69.5	66.4	68.1
4	28.1	4.0	166.6	12.23	74.0	56.3	75.0	97.4	72.9	62.5	0.88	0.09	71.0	67.6	69.3	69.2	66.2	67.7
5	19.5	6.7	84.4	8.15	61.8	49.5	74.5	97.7	57.0	62.3	0.00	0.07	68.7	63.8	66.5	68.2	64.4	66.0
6	18.2	5.9	85.4	25.43	61.5	38.5	49.6	97.0	33.7	36.5	0.00	0.14	64.2	59.9	62.2	64.7	61.1	63.0
7	11.9	2.3	220.8	22.06	71.7	34.6	53.4	98.9	25.4	41.2	0.00	0.14	65.5	58.0	61.6	64.2	59.6	61.8
8	19.0	5.6	249.0	25.42	66.9	40.8	56.2	96.1	24.6	40.9	0.00	0.16	65.7	60.7	63.0	64.5	61.3	62.9
9	21.3	4.7	276.3	25.26	69.8	39.4	54.6	97.3	20.9	38.7	0.00	0.17	64.2	58.8	61.5	63.5	59.8	61.9
10	21.0	6.1	318.0	25.11	59.1	36.3	50.0	95.8	27.2	33.1	0.00	0.15	62.5	58.9	60.7	62.5	59.9	61.3
11	15.7	4.1	225.8	25.93	55.2	31.4	43.3	97.7	33.2	31.1	0.00	0.13	60.9	55.7	58.4	61.0	57.7	59.5
12	17.0	3.0	199.3	25.78	63.6	30.1	47.6	99.5	28.3	34.5	0.00	0.15	62.6	54.9	58.5	61.1	56.5	58.9
13	23.2	5.8	138.4	4.34	60.2	43.0	52.1	95.3	40.5	42.3	0.16	0.05	60.0	57.8	58.8	60.5	58.0	58.9
14	28.1	9.1	190.7	12.99	79.2	55.1	68.8	83.2	46.7	55.3	0.00	0.15	64.1	57.5	60.6	61.6	57.3	59.3
15	39.1	14.7	196.3	18.19	79.1	59.8	72.3	94.8	49.8	59.1	0.43	0.20	66.9	61.8	64.3	64.1	60.4	62.1
16	25.8	7.4	248.4	18.40	65.2	47.5	57.0	96.7	51.5	49.7	0.39	0.11	66.1	62.7	64.3	64.0	61.6	62.9
17	12.6	2.6	184.6	15.12	65.5	44.1	54.1	97.9	46.1	47.2	0.00	0.10	64.0	60.5	62.4	62.7	60.3	61.8
18	10.8	1.9	225.9	26.71	74.9	38.9	56.0	98.6	28.3	44.6	0.00	0.16	66.1	58.5	62.2	64.6	59.1	61.7
19	18.2	4.8	200.3	26.39	75.6	43.1	61.4	97.3	28.9	46.0	0.00	0.20	67.0	60.5	63.7	65.2	60.6	63.0
20	24.9	8.4	262.6	5.66	65.3	46.3	54.8	95.0	59.5	47.9	0.25	0.06	65.2	60.0	62.5	64.3	60.9	62.5
21	17.6	6.2	204.1	18.60	54.9	37.6	46.7	97.7	55.8	39.8	0.00	0.09	60.9	57.2	59.3	62.2	58.9	60.5
22	23.1	5.7	314.4	12.88	58.2	37.0	48.6	98.1	46.2	39.9	0.09	0.09	60.3	57.2	58.6	61.0	58.1	59.4
23	24.8	7.8	316.3	24.93	61.7	36.7	49.2	76.2	32.2	33.7	0.00	0.15	59.5	55.0	57.3	60.7	56.6	58.6
24	21.3	7.1	244.1	23.09	74.2	43.7	60.4	81.2	32.3	43.9	0.00	0.18	63.8	55.6	59.2	61.5	56.9	59.1
25	25.2	9.6	217.2	23.07	79.8	59.3	70.7	74.5	46.0	56.6	0.00	0.20	67.2	60.1	63.4	64.2	59.7	61.7
26	22.7	7.5	184.8	25.65	79.8	57.8	71.6	86.5	34.4	57.7	0.00	0.21	70.2	64.3	66.9	67.0	62.7	64.7
27	21.9	8.9	89.3	14.44	61.2	47.7	54.7	82.2	34.6	39.1	0.08	0.12	66.9	62.0	63.5	66.2	61.8	63.3
28	22.4	5.9	196.3	21.15	80.9	54.4	68.2	93.3	50.9	60.0	0.00	0.15	69.2	60.9	64.9	66.0	60.7	63.0
29	10.3	3.3	162.7	14.53	79.6	57.0	69.1	97.3	64.7	62.9	0.00	0.11	70.6	65.1	67.9	67.5	63.5	65.6
30	23.0	6.2	225.6	13.97	78.7	58.5	70.3	96.7	55.9	62.0	0.05	0.12	71.2	66.7	68.7	67.7	65.1	66.5
TOT				577.76							2.36	4.22						
AVG		6.1	209.6	19.26	70.3	47.0	60.5	92.7	41.9	48.5		0.14	66.0	60.7	63.2	64.6	60.8	62.6
MAX	39.1				86.8			99.5					73.2			70.2		
MIN						30.1			20.9					54.9			56.5	



Illinois Climate Network (ICN)  
 May 2012  
 Monthly Summary For Carbondale

DAY	MAX WIND SPEED MPH	AVG WIND SPEED MPH	DIR AVG WIND o	TOTAL SOLAR RAD MJ/M*M	MAX AIR TEMP oF	MIN AIR TEMP oF	AVG AIR TEMP oF	MAX REL HUM %	MIN REL HUM %	AVG DEW POINT oF	TOTAL PRECIP IN	TOTAL EVAP IN	MAX 4" SOIL TEMP oF	MIN 4" SOIL TEMP oF	AVG 4" SOIL TEMP oF	MAX 8" SOIL TEMP oF	MIN 8" SOIL TEMP oF	AVG 8" SOIL TEMP oF
1	27.8	8.2	192.5	20.70	85.9	59.1	74.6	97.1	44.3	63.1	0.01	0.19	72.8	66.7	69.6	69.3	65.2	67.1
2	24.8	9.6	200.0	26.40	88.0	71.5	79.4	77.4	42.3	64.6	0.00	0.25	75.7	69.0	72.0	71.6	66.8	69.1
3	19.6	7.0	197.1	19.59	82.0	67.4	79.3	92.5	55.7	64.6	0.00	0.17	76.2	70.3	73.1	72.1	68.3	70.2
4	20.8	5.9	207.8	19.89	87.0	67.8	79.2	94.9	54.4	64.5	0.02	0.16	77.1	71.1	74.0	73.5	69.1	71.0
5	18.1	5.9	162.6	22.24	88.0	69.1	79.1	90.6	55.6	64.4	0.00	0.19	79.4	72.4	75.6	75.1	70.3	72.4
6	19.1	5.0	200.9	25.69	91.3	66.3	79.0	96.4	41.1	66.5	0.01	0.23	80.8	73.5	76.8	76.4	71.5	73.8
7	20.6	4.9	257.2	12.00	76.6	63.5	69.6	93.2	62.6	63.1	0.08	0.10	77.1	73.2	75.1	75.0	71.9	73.0
8	16.0	4.8	307.4	20.51	72.5	55.3	64.5	96.0	37.5	53.8	0.00	0.15	74.2	70.5	72.3	72.8	69.7	71.3
9	19.1	5.6	301.3	27.60	71.2	47.6	60.0	94.5	34.0	47.0	0.00	0.19	72.2	68.3	69.6	71.5	67.9	69.5
10	12.8	2.5	174.2	24.98	72.5	44.8	59.0	97.0	34.6	47.5	0.00	0.17	71.9	65.2	68.6	70.8	65.9	68.5
11	14.6	3.2	202.9	25.10	75.5	43.3	61.1	96.8	29.3	47.0	0.00	0.18	72.4	64.9	68.6	70.3	65.6	68.1
12	14.8	2.6	168.9	12.29	72.9	50.5	62.1	96.6	41.8	52.9	0.00	0.10	70.7	66.4	68.6	69.2	66.5	67.8
13	27.2	6.0	180.2	26.42	79.0	50.1	65.9	97.5	32.1	51.5	0.00	0.21	71.8	65.6	68.7	71.2	65.3	68.2
14	16.1	3.6	197.7	24.45	78.7	52.0	65.5	95.6	39.0	53.1	0.00	0.18	73.0	66.4	69.7	71.8	66.4	69.2
15	17.9	2.7	277.9	28.37	82.2	50.3	66.6	97.2	25.2	50.4	0.00	0.21	75.1	66.9	70.9	73.1	67.0	70.0
16	16.2	4.3	286.0	27.30	83.6	51.5	67.8	96.3	30.9	51.6	0.00	0.22	75.1	67.6	71.4	73.5	67.7	70.6
17	16.8	3.7	160.0	29.44	80.5	44.9	64.5	92.4	27.8	46.8	0.00	0.22	75.2	66.9	70.9	73.6	67.5	70.7
18	18.5	3.6	182.4	27.06	87.2	50.2	71.3	96.6	29.5	56.1	0.00	0.22	77.5	67.7	72.4	74.9	68.1	71.3
19	16.0	5.5	190.7	26.92	89.1	61.5	77.1	91.4	32.8	60.8	0.00	0.24	79.7	71.3	75.1	76.4	70.5	73.2
20	27.4	5.0	224.6	23.12	88.8	60.8	73.0	96.3	37.7	62.5	0.40	0.20	80.5	72.4	75.8	77.2	71.4	74.1
21	20.3	6.9	299.4	28.14	74.2	54.8	66.0	97.0	38.2	55.1	0.01	0.20	76.5	71.8	74.1	76.7	71.7	74.0
22	20.7	5.1	139.8	30.60	76.3	47.3	62.0	96.9	28.1	46.7	0.00	0.22	74.1	67.8	70.9	75.1	69.0	72.2
23	17.1	4.2	193.1	30.02	82.1	45.5	66.3	97.3	22.7	49.0	0.00	0.24	76.7	66.8	71.6	75.0	67.9	71.6
24	31.3	10.0	185.9	27.81	89.4	58.5	77.1	80.6	31.8	57.6	0.00	0.28	77.7	69.7	73.7	75.2	69.7	72.5
25	19.5	7.0	193.7	24.13	88.9	69.0	79.7	85.3	48.3	66.6	0.00	0.22	81.1	73.5	77.0	77.5	72.2	74.7
26	21.9	6.3	201.5	27.70	92.8	64.0	79.5	93.3	30.0	64.9	0.00	0.25	82.4	74.4	78.2	78.9	72.9	76.0
27	18.5	4.9	198.2	27.81	92.2	61.6	79.2	95.6	33.7	64.3	0.00	0.25	83.6	75.2	79.3	80.2	74.0	77.0
28	20.4	6.2	209.6	25.65	92.3	68.5	82.0	86.1	37.1	65.8	0.00	0.25	83.8	76.6	80.1	80.8	75.1	78.0
29	18.0	4.0	185.0	21.87	88.2	60.3	76.6	93.8	29.7	62.0	0.02	0.19	82.8	77.5	79.9	80.6	76.2	78.2
30	17.7	3.2	240.5	18.03	83.0	57.2	67.5	97.0	31.5	56.4	0.02	0.14	79.9	74.5	76.8	78.7	73.9	75.7
31	29.3	6.2	261.2	12.64	78.5	52.9	64.4	96.4	49.7	57.9	0.16	0.11	77.2	72.2	72.9	75.7	71.8	73.5
TOT				744.48							0.74	6.11						
AVG		5.3	212.3	24.02	82.9	57.0	70.9	93.7	37.7	57.4		0.20	76.9	70.2	73.3	74.6	69.6	72.0
MAX	31.3				92.8			97.5					83.8			80.8		
MIN						43.3			22.7					64.9			65.2	

Illinois Climate Network (ICN)  
 June 2012  
 Monthly Summary For Carbondale

DAY	MAX WIND SPEED MPH	AVG WIND SPEED MPH	DIR AVG WIND o	TOTAL SOLAR RAD MJ/M*M	MAX AIR TEMP oF	MIN AIR TEMP oF	AVG AIR TEMP oF	MAX REL HUM %	MIN REL HUM %	AVG DEW POINT oF	TOTAL PRECIP IN	TOTAL EVAP IN	MAX 4" SOIL TEMP oF	MIN 4" SOIL TEMP oF	AVG 4" SOIL TEMP oF	MAX 8" SOIL TEMP oF	MIN 8" SOIL TEMP oF	AVG 8" SOIL TEMP oF
1	24.3	8.4	302.0	17.81	66.7	47.5	56.8	95.3	39.3	46.5	0.01	0.12	72.6	68.2	70.3	73.2	69.3	70.6
2	20.0	4.8	244.1	22.26	76.9	46.3	62.9	96.7	38.0	50.4	0.00	0.17	74.1	64.5	69.5	72.1	66.3	69.0
3	13.9	4.2	245.2	25.17	87.3	58.7	63.6	88.8	26.5	50.7	0.00	0.21	78.7	68.3	73.3	75.3	68.1	71.6
4	19.9	4.7	197.9	25.03	89.8	60.5	64.3	96.2	42.6	51.1	0.16	0.21	83.0	72.0	77.0	78.4	71.2	74.6
5	20.6	5.6	97.5	30.33	81.1	55.6	65.0	96.3	31.6	51.5	0.00	0.24	79.6	72.4	76.0	77.3	72.1	75.0
6	18.6	4.7	143.6	30.59	78.0	51.1	65.0	96.9	28.2	49.1	0.00	0.23	78.9	70.2	74.4	76.7	70.8	73.7
7	16.3	3.2	170.1	28.36	81.8	48.5	66.5	96.7	27.8	50.1	0.00	0.22	80.2	69.7	74.8	76.7	70.5	73.7
8	15.8	2.7	200.1	30.23	86.7	49.9	69.5	97.0	24.3	52.3	0.00	0.24	82.6	70.5	76.2	78.2	70.9	74.6
9	19.6	6.0	203.1	28.66	88.8	54.1	74.4	96.1	31.9	56.8	0.00	0.27	83.0	72.6	77.6	79.0	72.5	75.7
10	19.2	6.5	166.2	21.28	84.9	59.8	73.5	92.7	52.9	63.7	0.01	0.18	82.3	74.6	78.3	78.5	74.0	76.3
11	28.2	6.3	224.9	7.83	84.1	64.3	71.7	96.0	57.3	67.7	0.62	0.07	80.2	74.4	77.3	77.4	74.1	75.8
12	17.2	5.2	247.5	29.80	82.1	54.8	71.0	97.1	27.5	56.3	0.01	0.24	80.8	72.3	75.9	77.9	71.9	74.8
13	14.8	2.9	161.8	30.43	83.7	49.8	67.8	97.2	26.9	51.7	0.00	0.23	81.1	70.4	75.5	78.3	71.2	74.6
14	12.5	3.0	150.4	29.31	88.8	61.4	71.8	87.8	29.8	56.7	0.00	0.24	82.8	71.8	77.1	79.3	71.8	75.5
15	15.7	3.9	208.4	27.64	91.1	57.1	76.4	96.5	34.8	62.0	0.00	0.24	84.2	73.7	78.9	80.5	73.2	76.8
16	22.8	7.7	206.7	28.21	90.8	64.7	80.2	96.4	41.1	66.6	0.00	0.26	85.3	76.1	80.8	81.6	75.3	78.3
17	21.7	7.4	224.3	21.01	88.4	67.6	78.9	92.7	50.4	67.2	0.06	0.20	84.3	78.0	81.1	80.9	76.9	78.8
18	26.5	10.3	207.7	28.05	89.7	72.1	80.9	76.5	34.8	63.6	0.00	0.29	85.8	77.3	81.1	82.3	76.3	78.9
19	25.2	8.1	194.3	28.16	91.0	70.9	80.3	80.4	36.8	64.4	0.01	0.27	86.8	78.0	82.0	82.7	76.8	79.6
20	22.0	7.9	197.9	29.16	91.8	69.7	81.5	80.5	34.4	62.4	0.00	0.29	87.7	78.3	82.7	83.2	77.3	80.3
21	20.0	5.3	262.3	20.80	91.3	65.9	78.3	94.1	33.8	64.1	0.00	0.20	86.0	78.6	82.4	82.8	77.8	80.3
22	15.3	3.7	219.0	30.72	89.0	60.3	75.8	97.0	27.0	58.2	0.00	0.26	87.9	77.8	82.5	83.8	77.1	80.5
23	12.1	2.5	203.7	29.96	91.0	55.4	74.4	96.6	20.2	55.3	0.00	0.25	88.0	77.1	82.4	83.9	77.0	80.6
24	9.9	1.9	271.5	27.80	96.4	60.0	79.9	95.3	25.3	60.7	0.00	0.24	89.1	78.5	83.6	85.0	78.0	81.5
25	19.6	6.2	104.8	28.09	94.6	66.1	81.0	93.4	31.6	60.6	0.00	0.29	89.8	80.4	84.7	85.5	79.5	82.5
26	19.0	4.7	127.2	31.12	86.9	53.6	71.1	86.8	20.7	48.1	0.00	0.26	88.2	78.0	82.7	84.2	78.2	81.4
27	14.8	4.6	216.2	30.50	93.9	51.1	76.2	94.3	19.1	51.2	0.00	0.28	88.8	76.4	82.3	84.7	77.0	80.7
28	17.8	7.0	232.0	29.91	103.2	74.9	88.7	56.6	20.3	58.6	0.00	0.34	91.5	79.5	85.0	86.8	78.9	82.5
29	13.5	5.0	267.3	28.52	105.4	72.4	91.6	80.9	21.7	64.5	0.00	0.31	93.4	82.6	87.7	88.6	81.4	84.7
30	16.5	5.9	253.8	28.13	103.4	78.4	91.2	69.1	25.1	65.2	0.00	0.31	94.9	84.5	89.3	89.6	83.0	86.2
TOT				804.87							0.86	7.15						
AVG		5.3	205.0	26.83	88.6	60.1	74.3	90.6	32.1	57.6		0.24	84.4	74.9	79.4	80.8	74.6	77.6
MAX	28.2				105.4			97.2					94.9			89.6		
MIN						46.3			19.1					64.5			66.3	

Illinois Climate Network (ICN)  
 July 2012  
 Monthly Summary For Carbondale

DAY	MAX WIND SPEED MPH	AVG WIND SPEED MPH	DIR AVG WIND o	TOTAL SOLAR RAD MJ/M*M	MAX AIR TEMP oF	MIN AIR TEMP oF	AVG AIR TEMP oF	MAX REL HUM %	MIN REL HUM %	AVG DEW POINT oF	TOTAL PRECIP IN	TOTAL EVAP IN	MAX 4" SOIL TEMP oF	MIN 4" SOIL TEMP oF	AVG 4" SOIL TEMP oF	MAX 8" SOIL TEMP oF	MIN 8" SOIL TEMP oF	AVG 8" SOIL TEMP oF
1	20.2	4.2	244.2	20.06	102.7	73.7	86.1	81.7	24.6	66.1	0.00	0.22	93.8	85.2	88.8	89.0	83.9	86.4
2	20.7	5.0	206.8	23.08	97.9	69.5	84.4	89.8	34.5	68.1	0.01	0.24	92.0	83.0	87.5	88.3	82.5	85.3
3	25.3	6.6	230.6	24.25	95.8	76.5	84.6	76.9	37.6	68.2	0.00	0.25	92.7	84.0	88.1	88.8	83.0	85.7
4	16.3	4.5	239.9	25.47	102.5	75.4	84.9	83.6	18.2	68.2	0.00	0.26	94.4	84.8	89.0	89.6	83.6	86.3
5	15.8	3.3	247.6	28.36	104.8	76.8	85.3	83.5	20.8	68.2	0.00	0.28	95.9	85.6	90.5	91.9	84.3	87.5
6	25.0	3.4	152.4	28.35	105.0	74.0	90.6	91.6	20.1	66.8	0.01	0.29	96.4	86.5	91.4	91.7	85.5	88.6
7	16.8	3.6	231.1	27.20	104.1	73.9	90.3	84.7	27.6	67.8	0.01	0.28	97.5	86.8	91.8	92.3	85.7	89.1
8	50.2	4.2	233.6	19.25	100.3	73.3	81.7	94.7	31.7	69.4	1.15	0.19	95.4	85.9	89.8	90.8	85.9	88.1
9	13.7	3.2	163.3	14.38	87.5	71.1	77.5	96.2	51.0	71.1	0.01	0.12	87.4	83.6	85.4	86.6	82.8	84.5
10	19.2	4.7	174.6	27.78	92.4	69.3	80.5	96.1	26.4	63.8	0.00	0.26	89.0	82.4	85.3	86.1	81.5	84.0
11	20.5	3.3	180.6	25.76	93.9	65.9	79.8	96.6	30.0	64.6	0.00	0.23	88.8	81.3	85.1	87.0	80.6	83.7
12	17.8	4.1	161.9	24.08	91.2	66.2	79.4	95.7	36.8	66.7	0.00	0.22	88.3	81.8	85.2	86.7	80.9	83.9
13	14.5	3.9	176.3	23.43	90.6	66.7	78.7	96.4	41.6	68.1	0.00	0.20	89.4	81.9	85.5	86.4	81.0	83.9
14	10.7	3.8	207.1	14.42	85.7	73.2	77.6	94.1	59.1	71.4	0.11	0.12	87.7	82.8	85.2	85.2	81.9	83.5
15	15.2	4.1	207.5	23.76	91.3	70.2	80.5	95.6	47.7	70.6	0.01	0.21	89.5	81.1	85.1	86.3	80.6	83.3
16	18.9	6.5	210.4	27.84	93.2	72.7	83.6	94.2	41.3	71.1	0.02	0.26	91.7	82.4	86.6	87.9	81.7	84.5
17	19.4	5.4	224.6	16.24	94.0	77.6	82.8	84.0	40.0	72.1	0.02	0.16	89.5	84.1	86.6	86.5	83.0	84.8
18	17.1	5.6	221.6	23.54	100.1	78.3	86.7	82.2	33.3	71.9	0.00	0.24	93.5	83.5	87.6	88.2	82.3	85.0
19	18.4	6.6	261.1	26.95	102.3	79.4	89.3	82.8	26.6	69.8	0.01	0.29	94.8	85.0	89.2	89.9	83.8	86.5
20	21.7	6.0	149.8	22.73	91.0	72.7	82.0	93.9	42.9	68.9	0.01	0.22	91.8	85.7	88.6	88.7	84.5	86.6
21	17.3	5.2	111.0	29.46	92.8	63.3	78.5	91.6	24.1	59.4	0.01	0.26	91.6	83.2	87.0	88.0	82.7	85.4
22	14.1	2.9	199.6	28.36	97.8	60.0	81.2	95.1	27.0	63.4	0.00	0.25	93.0	81.5	87.0	88.6	81.5	85.0
23	19.8	8.2	224.2	27.62	97.5	77.1	87.3	86.1	38.8	71.4	0.02	0.29	94.6	85.3	89.4	89.9	84.1	86.8
24	20.3	8.3	239.2	26.82	102.1	79.2	90.0	73.0	29.6	68.6	0.00	0.31	95.2	86.1	90.4	90.7	84.8	87.8
25	23.2	9.8	225.7	28.24	100.5	80.2	90.0	71.8	28.3	68.9	0.00	0.34	96.7	87.1	91.2	91.4	85.8	88.6
26	32.3	7.4	221.9	14.03	98.3	70.7	82.1	95.2	37.6	70.6	0.53	0.17	93.3	85.4	89.5	90.1	85.4	87.8
27	19.5	5.7	249.6	26.85	96.3	68.6	80.8	94.3	28.1	68.4	0.02	0.25	91.8	82.3	86.2	88.4	82.2	85.0
28	15.8	3.8	226.3	28.67	91.1	64.7	77.5	96.6	30.5	62.4	0.00	0.25	89.0	80.9	84.6	86.8	81.2	84.1
29	12.3	3.0	217.4	11.36	80.3	64.1	71.9	96.2	67.9	67.5	0.27	0.09	85.7	80.5	82.4	85.3	80.3	81.8
30	16.2	3.9	240.2	17.27	88.5	69.6	79.6	94.6	52.2	69.9	0.00	0.15	86.1	79.3	82.8	83.5	78.9	81.3
31	12.8	2.8	239.0	27.14	96.9	76.2	82.1	87.3	30.7	70.1	0.00	0.26	90.3	81.9	84.6	86.3	80.2	82.8
TOT				732.78							2.22	7.12						
AVG		4.9	210.3	23.6	95.8	71.9	82.8	89.6	35.0	68.2		0.2	91.8	83.6	87.3	88.3	82.8	85.4
MAX	50.2				105.0			96.6					97.5			92.3		
MIN						60.0			18.2					79.3			78.9	

Illinois Climate Network (ICN)  
 August 2012  
 Monthly Summary For Carbondale

DAY	MAX WIND SPEED MPH	AVG WIND SPEED MPH	DIR AVG WIND o	TOTAL SOLAR RAD MJ/M*M	MAX AIR TEMP oF	MIN AIR TEMP oF	AVG AIR TEMP oF	MAX REL HUM %	MIN REL HUM %	AVG DEW POINT oF	TOTAL PRECIP IN	TOTAL EVAP IN	MAX 4" SOIL TEMP oF	MIN 4" SOIL TEMP oF	AVG 4" SOIL TEMP oF	MAX 8" SOIL TEMP oF	MIN 8" SOIL TEMP oF	AVG 8" SOIL TEMP oF
1	11.1	3.2	233.9	26.88	97.9	72.2	84.9	95.2	34.0	70.1	0.00	0.24	91.6	82.3	86.6	87.8	81.7	84.6
2	18.3	4.4	200.2	19.65	96.3	70.0	84.4	95.1	37.3	70.6	0.02	0.20	90.8	83.2	86.8	86.8	82.3	84.9
3	15.2	5.4	176.1	22.20	94.4	74.2	84.5	93.5	48.6	70.7	0.02	0.20	91.9	83.6	87.4	88.0	82.6	85.1
4	38.3	7.1	203.2	9.88	89.5	71.2	84.7	95.3	60.0	70.8	2.83	0.10	87.9	81.5	85.3	86.4	81.2	83.7
5	31.0	4.2	280.4	16.80	88.2	66.5	84.7	96.3	39.1	71.0	2.09	0.14	86.1	79.3	82.6	83.1	79.2	81.0
6	12.6	2.3	194.9	28.46	90.4	62.7	76.2	97.2	27.4	61.9	0.00	0.23	86.4	78.8	82.5	83.9	78.7	81.3
7	11.8	2.2	262.5	28.36	92.9	61.4	77.0	97.2	22.3	61.4	0.00	0.23	86.8	78.6	82.6	84.4	78.9	81.6
8	10.6	2.2	243.1	25.47	97.2	63.7	80.2	96.0	27.8	65.5	0.00	0.22	87.7	79.3	83.4	85.1	79.6	82.2
9	17.2	4.3	258.2	25.10	90.9	68.0	80.0	91.7	35.7	66.7	0.00	0.22	88.4	81.2	84.6	85.6	81.0	83.2
10	22.5	6.7	328.1	24.81	80.3	60.6	72.5	92.3	40.3	60.4	0.00	0.20	85.7	80.9	83.1	84.3	80.8	82.6
11	15.1	2.3	258.3	27.73	84.8	54.1	68.5	96.8	26.9	54.0	0.00	0.20	85.1	77.4	81.0	82.8	78.4	80.7
12	8.4	1.7	225.3	12.29	83.4	54.6	68.7	97.1	33.3	58.4	0.00	0.10	82.2	76.9	79.5	81.3	77.5	79.1
13	19.6	7.0	205.1	18.02	83.1	64.0	72.5	95.2	58.6	64.4	0.38	0.15	83.9	76.2	79.5	80.1	76.1	78.1
14	12.6	3.7	270.1	13.05	77.5	62.0	69.4	96.2	49.1	61.9	0.00	0.11	80.4	76.4	78.3	78.9	76.0	77.4
15	11.0	2.3	183.2	26.19	88.3	57.1	73.1	97.4	33.8	60.9	0.00	0.21	83.3	74.0	78.5	80.8	74.5	77.4
16	34.0	6.3	209.5	16.30	92.5	65.1	75.4	96.5	48.1	67.2	0.66	0.15	83.5	76.4	79.3	80.4	76.4	78.2
17	13.4	3.7	313.8	22.47	79.4	56.2	69.5	96.8	36.2	60.4	0.00	0.16	82.1	76.4	78.9	80.3	75.9	77.8
18	11.9	2.0	215.7	24.47	79.6	51.2	65.4	97.7	31.7	55.0	0.00	0.17	79.8	73.1	76.4	78.7	73.9	76.6
19	13.2	2.3	227.3	25.39	82.5	55.4	68.4	97.5	31.2	55.9	0.00	0.19	81.0	73.2	76.9	79.2	74.1	76.6
20	11.6	1.6	264.6	24.30	83.3	52.7	67.8	97.5	29.8	55.9	0.00	0.18	80.3	73.3	76.7	78.8	74.2	76.7
21	10.2	1.5	226.1	21.48	89.2	54.6	69.8	97.5	29.0	57.8	0.01	0.16	81.4	73.4	76.8	79.0	74.1	76.4
22	10.3	1.7	218.6	25.94	90.5	55.5	72.2	97.0	22.7	58.5	0.00	0.20	82.2	73.9	77.6	80.1	74.4	77.1
23	9.3	1.5	202.8	25.97	94.1	56.5	74.0	97.4	20.6	59.3	0.00	0.20	83.3	74.2	78.5	80.5	75.1	77.8
24	14.1	2.7	234.4	20.73	91.5	60.2	75.3	95.6	28.2	61.5	0.00	0.18	82.7	75.8	79.0	80.2	75.6	78.1
25	23.7	6.3	195.2	21.06	88.0	62.9	76.1	94.7	40.9	64.7	0.00	0.19	82.3	76.4	79.2	80.0	76.1	78.2
26	21.3	7.6	204.6	22.71	89.0	70.6	79.6	84.3	45.7	67.4	0.00	0.21	84.1	77.0	80.3	81.0	76.5	78.7
27	15.8	4.0	247.0	14.61	87.4	64.1	77.9	95.1	50.1	68.3	0.00	0.14	84.2	79.0	81.3	81.2	77.7	79.5
28	19.8	3.9	167.9	25.15	90.7	57.6	73.3	97.4	23.2	57.6	0.00	0.22	83.5	76.0	79.5	80.9	75.9	78.6
29	16.9	3.8	167.9	24.29	91.3	54.8	72.9	97.4	26.1	57.0	0.00	0.22	83.1	74.5	78.6	80.4	75.1	77.9
30	18.9	5.2	171.0	23.00	96.2	55.7	77.5	97.4	31.7	63.6	0.00	0.22	83.9	74.8	79.3	80.7	75.1	78.1
31	30.2	9.3	158.0	11.05	89.2	74.8	80.4	96.4	52.6	71.7	1.54	0.14	83.5	79.5	81.2	80.3	78.1	79.3
TOT				673.78							7.53	5.69						
AVG		3.9	224.1	21.7	88.7	61.6	75.4	95.8	36.2	62.9		0.2	84.5	77.3	80.7	82.0	77.3	79.6
MAX	38.3				97.9			97.7					91.9			88.0		
MIN						51.2			20.6					73.1			73.9	

Illinois Climate Network (ICN)  
 September 2012  
 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 o	SOLAR RAD MJ/M*M	AIR TEMP oF	AIR TEMP oF	AIR TEMP oF	REL HUM %	REL HUM %	DEW POINT oF			4" SOIL TEMP oF	4" SOIL TEMP oF	4" SOIL TEMP oF	8" SOIL TEMP oF	8" SOIL TEMP oF	8" SOIL TEMP oF
1	31.5	11.1	192.7	11.58	85.2	71.8	76.5	96.8	67.2	72.5	4.25	0.10	82.9	78.7	80.1	79.8	77.2	78.3
2	23.0	8.1	259.4	8.95	79.4	72.5	75.0	96.5	79.6	72.1	0.55	0.07	81.4	77.9	79.3	78.5	76.4	77.5
3	16.0	4.8	308.7	10.76	81.5	69.4	75.1	97.0	71.5	72.1	0.03	0.09	81.8	78.1	79.9	79.9	76.8	78.1
4	10.7	1.7	182.8	21.64	93.5	66.8	75.1	97.6	47.8	72.1	0.00	0.17	84.5	77.2	80.7	82.3	76.8	79.0
5	14.6	4.1	160.8	14.06	84.9	69.5	75.2	96.9	62.4	72.2	0.02	0.11	83.5	79.6	81.4	81.1	78.8	79.8
6	30.0	3.9	216.4	16.97	91.1	63.2	75.2	97.4	51.0	69.2	0.23	0.15	84.7	78.5	81.1	81.6	77.8	79.6
7	42.7	7.3	231.9	19.53	88.8	61.7	74.4	97.3	57.5	67.9	0.44	0.16	82.9	76.8	79.7	80.3	76.9	78.6
8	22.1	7.0	308.8	22.90	72.0	53.9	64.2	97.0	43.5	55.3	0.00	0.15	79.9	74.7	77.4	79.4	76.0	77.5
9	20.9	4.7	276.8	23.42	74.0	53.3	62.8	97.2	42.3	52.9	0.00	0.16	76.8	71.8	74.2	77.0	73.4	75.2
10	8.8	1.5	200.1	23.29	79.2	49.8	63.7	98.0	38.6	54.6	0.00	0.16	77.3	70.2	73.4	75.8	72.2	74.2
11	16.4	3.0	209.4	23.25	83.5	52.2	67.2	98.1	35.7	57.0	0.00	0.17	77.9	70.5	73.8	76.0	72.0	73.9
12	19.3	4.2	195.8	15.77	82.8	55.6	69.2	97.8	37.9	59.7	0.00	0.13	76.6	71.3	74.1	75.1	72.0	73.7
13	16.8	3.7	218.8	19.31	83.1	59.1	70.8	97.2	53.2	62.6	0.00	0.15	78.3	72.2	75.0	75.7	72.0	74.0
14	15.4	4.5	171.4	6.43	68.5	57.7	62.8	96.0	73.4	58.2	0.00	0.05	75.7	72.1	73.5	75.1	72.5	73.4
15	23.6	4.1	139.4	12.52	72.7	53.8	64.2	96.4	44.8	55.2	0.03	0.10	73.2	70.2	71.8	73.1	70.8	71.8
16	8.5	1.2	199.9	6.42	74.6	62.2	67.0	97.0	74.9	64.2	0.06	0.05	75.2	71.2	72.9	73.5	70.9	71.9
17	9.2	2.3	251.9	7.12	76.0	63.5	68.8	97.5	72.2	66.4	0.22	0.05	76.0	72.2	73.9	74.2	71.6	72.5
18	25.0	8.3	290.7	21.92	67.6	44.9	58.7	97.5	35.6	47.4	0.00	0.15	74.1	69.0	71.8	73.4	70.8	72.1
19	14.8	4.5	197.3	22.10	71.7	41.3	58.3	98.5	31.4	44.0	0.00	0.16	71.6	65.7	68.6	71.1	67.6	69.4
20	18.5	5.7	243.6	18.78	78.1	53.1	65.4	97.5	45.6	53.2	0.00	0.15	72.5	66.6	69.2	70.7	67.6	69.1
21	28.2	6.8	224.3	15.56	78.0	50.9	65.9	98.2	56.5	58.1	0.01	0.13	72.3	66.9	69.8	70.8	67.6	69.2
22	22.6	5.0	295.0	21.47	75.0	40.6	59.5	96.8	18.8	44.7	0.00	0.16	71.7	66.7	69.2	70.2	67.4	69.0
23	15.9	2.8	237.5	21.56	65.7	36.5	50.0	99.0	31.3	40.3	0.00	0.12	69.0	63.1	65.9	68.8	64.7	67.0
24	16.3	4.0	204.3	19.90	70.5	37.1	55.0	99.3	30.7	42.9	0.00	0.14	68.0	61.5	64.9	67.3	63.7	65.8
25	23.9	8.8	197.4	15.02	85.4	61.3	73.0	86.9	47.0	60.1	0.00	0.16	72.1	65.0	68.3	69.9	65.4	67.2
26	17.0	5.2	228.3	5.57	77.9	64.3	69.8	97.4	57.2	65.6	0.22	0.05	72.1	69.1	70.5	70.5	68.3	69.1
27	11.1	2.1	244.7	8.67	76.9	62.7	68.2	97.7	69.7	65.1	0.00	0.06	74.2	69.4	71.4	71.2	68.5	69.7
28	12.7	2.8	253.1	10.23	70.3	52.5	63.6	97.6	55.1	58.1	0.06	0.07	72.9	69.9	71.5	72.0	69.5	70.6
29	14.0	2.3	205.3	19.42	75.0	46.2	59.3	98.2	41.9	51.8	0.00	0.12	72.0	66.3	69.1	71.2	67.3	69.3
30	9.2	1.7	243.8	11.22	72.6	48.3	59.7	98.4	43.8	53.2	0.00	0.08	70.5	65.7	68.2	70.2	66.4	68.2
TOT				475.34							6.11	3.61						
AVG		4.6	226.3	15.8	77.8	55.9	66.5	97.2	50.6	59.0		0.1	76.0	70.9	73.4	74.5	71.3	72.8
MAX	42.7				93.5			99.3					84.7			82.3		
MIN						36.5			18.8					61.5			63.7	

Illinois Climate Network (ICN)  
 October 2012  
 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 o	SOLAR RAD MJ/M*M	AIR TEMP oF	AIR TEMP oF	AIR TEMP oF	REL HUM %	REL HUM %	DEW POINT oF			4" SOIL TEMP oF	4" SOIL TEMP oF	4" SOIL TEMP oF	8" SOIL TEMP oF	8" SOIL TEMP oF	8" SOIL TEMP oF
1	15.9	5.2	164.6	3.64	58.7	53.0	55.9	96.7	70.8	52.5	0.39	0.03	68.5	65.2	66.6	68.6	66.1	67.1
2	16.1	5.2	306.4	4.99	61.3	51.4	56.9	92.2	64.1	51.5	0.00	0.04	65.9	63.7	65.1	66.6	64.9	65.7
3	20.0	6.5	210.0	17.69	76.0	55.3	57.0	97.5	45.3	51.6	0.13	0.13	69.4	64.0	66.5	67.7	64.6	66.0
4	18.1	6.2	215.0	18.14	78.6	57.3	57.1	95.7	39.8	51.6	0.00	0.14	70.8	65.3	67.9	68.7	65.4	67.0
5	22.5	6.6	249.7	4.97	62.8	40.9	57.3	96.5	70.3	51.7	0.32	0.03	68.2	61.5	65.2	67.8	63.3	65.7
6	15.6	5.1	304.9	12.98	52.8	35.0	44.4	97.6	45.8	36.1	0.00	0.07	62.5	58.8	60.7	63.6	60.6	61.9
7	18.8	3.8	311.3	17.63	54.0	38.8	45.0	97.9	39.3	35.0	0.00	0.09	62.0	58.1	59.9	61.9	59.5	60.9
8	14.1	2.9	224.5	18.63	60.7	34.9	46.4	99.3	35.8	37.3	0.00	0.10	62.5	56.9	59.5	61.9	58.7	60.3
9	19.5	4.8	211.6	18.39	63.6	35.1	49.7	99.2	46.2	41.9	0.00	0.10	61.6	56.3	59.0	61.3	57.9	59.6
10	23.9	6.4	293.2	18.68	57.3	34.3	48.3	98.3	28.9	35.2	0.00	0.11	61.2	57.5	59.4	61.1	58.8	59.9
11	17.0	4.4	218.9	13.25	62.5	31.7	49.5	99.7	38.0	37.8	0.14	0.09	60.8	55.0	57.7	59.8	56.7	58.4
12	11.9	2.6	205.2	10.29	63.4	46.3	55.0	97.9	59.7	50.6	0.00	0.06	62.7	58.7	60.4	61.8	58.9	60.1
13	28.1	8.9	198.3	10.24	78.8	46.0	66.2	98.4	58.5	59.7	0.03	0.10	65.9	59.4	62.6	63.6	59.5	61.4
14	34.2	11.8	233.9	9.27	73.5	55.1	65.9	93.4	55.1	58.4	0.25	0.10	67.2	64.2	65.6	65.0	62.9	63.9
15	14.8	3.1	278.7	17.28	70.3	44.4	55.3	97.3	33.6	45.6	0.00	0.11	65.7	60.7	63.1	64.2	60.8	62.6
16	24.0	7.9	195.4	16.03	77.7	43.6	62.7	97.9	37.9	49.5	0.00	0.15	65.5	59.6	62.6	63.7	59.8	62.0
17	35.2	12.1	215.7	9.23	75.8	53.6	64.6	97.5	48.5	54.5	1.12	0.12	65.6	61.7	63.9	64.1	61.6	62.8
18	29.6	9.6	241.3	16.80	63.6	48.4	56.5	91.4	25.5	38.0	0.00	0.14	64.6	60.9	62.4	63.7	61.1	62.1
19	25.1	8.7	268.6	4.84	56.9	45.7	51.8	87.2	38.0	40.3	0.06	0.07	61.3	58.6	59.8	61.6	59.0	60.1
20	13.0	3.9	245.2	12.75	65.8	43.0	52.1	97.2	47.0	44.2	0.00	0.08	62.3	57.6	59.5	60.7	57.9	59.2
21	22.4	7.5	180.0	13.54	76.0	43.3	63.6	97.2	45.6	52.4	0.00	0.12	63.8	57.5	60.5	62.1	57.8	59.8
22	30.0	10.6	205.7	13.81	78.7	61.6	71.2	72.1	34.2	53.1	0.00	0.17	66.3	61.7	63.8	64.1	60.8	62.3
23	26.3	9.5	209.3	12.03	78.8	63.7	70.4	66.5	49.0	55.1	0.00	0.14	66.8	62.8	64.8	64.8	61.9	63.3
24	21.7	8.0	202.3	13.85	79.5	61.7	70.5	81.6	54.0	58.7	0.00	0.13	68.1	63.6	65.8	65.5	62.6	64.1
25	28.3	10.8	223.6	12.73	79.3	45.3	67.1	95.8	56.3	57.4	0.27	0.13	68.5	64.6	66.5	66.1	63.7	64.9
26	24.3	9.7	248.2	6.57	47.6	39.3	43.2	95.8	60.8	36.5	0.35	0.05	65.2	57.5	60.6	65.1	59.3	61.6
27	23.7	8.4	260.2	15.61	52.9	34.0	42.5	89.8	47.6	33.5	0.00	0.08	58.1	55.0	56.4	60.0	56.6	57.7
28	17.7	6.7	282.8	11.94	52.1	33.9	42.1	92.5	47.9	33.2	0.00	0.07	56.0	52.9	54.6	57.3	54.6	56.0
29	23.9	7.1	320.7	15.29	54.2	40.2	43.0	62.4	30.3	29.9	0.00	0.09	55.1	52.1	53.2	55.6	53.5	54.7
30	32.6	10.7	317.9	13.60	56.8	38.7	46.5	62.3	28.3	26.8	0.00	0.11	53.8	50.9	52.2	54.6	52.3	53.3
31	19.9	5.9	304.1	15.05	55.8	29.6	42.7	91.8	20.7	26.1	0.00	0.11	53.1	49.5	51.4	53.1	51.0	52.3
TOT				399.73							3.05	3.08						
AVG		7.1	243.5	12.9	65.3	44.7	54.9	91.5	45.2	44.7		0.1	63.5	59.1	61.2	62.8	59.7	61.2
MAX	35.2				79.5			99.7					70.8			68.7		
MIN						29.6			20.7					49.5			51.0	

KEY: M = missing data  
E = estimated data

\*\*\*As of 12/1/2011, potential evapotranspiration ("TOTAL EVAP") is calculated using the modified Penman-Monteith equation as outlined in FAO Irrigation and Drainage Paper No. 56 (<http://www.fao.org/docrep/X0490E/X0490E00.htm>).

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