

Illinois Climate Network (ICN)
 October 2015
 Monthly Summary For Carbondale

DAY	MAX WIND SPEED MPH	AVG WIND SPEED MPH	DIR WIND °	TOTAL SOLAR RAD MJ/M*°M	MAX AIR TEMP °F	MIN AIR TEMP °F	AVG AIR TEMP °F	MAX REL HUM %	MIN REL HUM %	AVG DEW POINT °F	TOTAL PRECIP IN	TOTAL EVAP IN	MAX	MIN	AVG	MAX	MIN	AVG	MAX	MIN	AVG	MAX	MIN	AVG
													4" SOIL TEMP UNDER °F	4" SOIL TEMP UNDER °F	4" SOIL TEMP UNDER °F	8" SOIL TEMP UNDER °F	8" SOIL TEMP UNDER °F	8" SOIL TEMP UNDER °F	4" SOIL TEMP UNDER °F	4" SOIL TEMP UNDER °F	4" SOIL TEMP UNDER °F	2" SOIL TEMP UNDER °F	2" SOIL TEMP UNDER °F	2" SOIL TEMP UNDER °F
1	23.2	7.5	176.3	20.2	69.9	48.6	58.9	94.2	42.2	47.2	0.00	0.15	67.9	64.9	66.4	68.9	65.9	66.9	70.1	57.7	63.3	73.3	54.3	62.0
2	28.6	9.5	76.0	15.2	68.1	49.2	58.3	78.4	51.2	46.2	0.00	0.13	65.8	62.7	64.2	66.1	63.9	64.9	68.5	56.4	61.4	72.5	52.8	60.4
3	22.6	9.9	25.6	3.8	56.9	50.5	52.6	93.0	65.3	46.5	0.00	0.04	63.7	60.9	62.0	64.9	62.3	63.4	60.5	56.2	58.1	58.9	54.2	56.1
4	16.8	6.7	162.6	5.8	60.6	50.1	54.9	96.5	77.1	51.6	0.00	0.04	62.4	60.3	61.2	62.7	61.5	62.1	62.0	55.6	58.1	63.2	53.9	57.4
5	14.1	4.4	306.1	17.0	79.0	53.0	64.5	98.6	52.8	58.1	0.00	0.13	66.5	60.7	63.6	65.3	61.6	63.2	72.8	56.4	64.1	77.9	54.5	65.1
6	13.4	3.4	300.0	18.7	80.2	56.9	66.8	98.6	50.9	60.2	0.00	0.14	69.1	64.0	66.3	67.5	64.3	65.6	77.5	62.4	68.7	83.8	61.1	69.3
7	11.8	2.2	272.8	17.7	77.8	54.1	63.9	99.1	52.2	58.2	0.00	0.13	69.0	63.9	66.4	67.5	64.7	66.1	76.8	61.2	68.1	83.4	58.5	67.9
8	13.6	2.6	236.4	18.4	81.6	55.4	67.4	99.0	45.3	59.8	0.00	0.14	70.0	64.7	67.2	68.5	65.2	66.7	79.1	62.6	69.6	85.3	59.9	70.1
9	16.3	5.8	316.5	6.1	69.0	56.1	62.9	86.5	64.1	55.3	0.00	0.06	67.4	65.0	66.5	67.7	65.7	66.7	68.0	61.6	65.8	68.7	58.6	64.4
10	15.1	2.7	222.3	21.3	71.5	43.0	55.7	98.7	34.6	46.2	0.00	0.11	66.5	62.3	64.2	65.8	63.5	64.7	73.7	56.6	63.7	79.5	53.0	63.1
11	17.5	5.5	195.2	20.3	75.5	41.8	60.9	99.2	40.6	49.3	0.00	0.16	66.0	59.6	62.9	65.0	61.6	63.4	73.3	53.6	62.9	79.5	49.3	62.7
12	19.5	6.4	245.3	15.4	81.1	53.3	66.0	97.0	42.5	53.0	0.00	0.14	67.8	62.7	64.8	66.4	63.3	64.7	75.9	60.1	66.2	83.5	56.6	66.1
13	20.3	5.3	276.1	20.8	73.4	44.5	57.7	96.9	29.1	43.5	0.00	0.16	65.1	60.5	62.7	64.9	62.0	63.4	72.9	55.0	62.8	79.5	50.6	61.9
14	13.6	1.7	214.6	20.2	76.2	40.3	56.4	99.1	24.6	43.6	0.00	0.15	64.8	58.4	61.5	64.0	60.4	62.2	73.6	52.8	62.1	80.5	48.2	61.5
15	16.3	3.0	235.6	19.0	80.2	40.6	61.6	99.3	27.5	44.9	0.00	0.15	65.1	58.5	61.9	64.1	60.2	62.2	74.3	53.3	63.3	81.2	49.0	63.6
16	20.8	5.0	302.8	20.2	65.1	35.3	53.1	95.3	24.4	33.6	0.00	0.15	63.2	58.5	61.4	63.6	60.9	62.2	70.7	54.5	61.8	76.0	48.2	60.5
17	20.3	4.7	280.6	19.7	55.9	30.1	42.2	97.9	27.1	28.7	0.00	0.12	59.5	55.2	57.2	60.9	57.7	58.9	65.0	47.7	55.0	69.7	42.7	53.1
18	15.5	2.1	176.4	19.4	62.7	27.6	43.3	99.9	22.6	30.3	0.01	0.12	58.9	52.4	55.5	58.4	55.1	56.9	65.9	44.4	53.9	71.9	39.4	52.7
19	18.5	5.2	197.1	18.4	71.4	34.6	54.2	97.2	23.9	33.6	0.00	0.14	59.8	53.2	56.4	58.9	55.1	56.9	67.5	47.1	56.1	74.1	43.1	55.9
20	21.0	7.3	192.0	18.3	74.5	47.7	61.6	66.6	31.5	40.8	0.00	0.16	61.3	55.1	58.1	60.0	56.3	58.1	69.5	50.3	59.0	76.1	46.8	59.2
21	17.8	5.6	188.7	17.9	80.0	44.5	64.4	96.9	36.8	50.2	0.00	0.15	63.7	56.7	60.2	61.9	57.7	59.7	73.3	53.1	62.3	80.3	49.7	63.0
22	14.9	4.3	209.2	17.4	80.5	51.1	66.8	98.2	39.6	54.1	0.00	0.14	66.3	60.2	62.8	64.1	60.4	62.0	76.5	59.1	66.1	83.6	57.1	66.7
23	20.2	6.0	188.1	6.9	75.5	49.6	65.3	98.8	58.5	57.6	0.00	0.07	64.4	60.2	62.4	63.4	60.8	62.1	68.5	57.9	63.6	71.3	39.4	63.6
24	17.5	6.8	255.7	2.9	69.4	54.3	64.8	96.6	60.8	58.8	0.08	0.04	65.0	62.2	63.9	64.3	62.9	63.5	67.3	58.8	64.3	69.1	55.7	63.7
25	16.1	6.1	54.7	10.6	61.4	48.0	54.5	83.8	51.8	43.5	0.00	0.08	62.3	59.2	60.8	63.0	60.2	61.3	63.9	54.3	58.3	67.4	51.4	57.0
26	20.1	7.1	63.8	12.0	65.3	45.7	55.8	96.5	50.8	46.1	0.01	0.09	61.2	57.2	59.3	60.4	58.2	59.4	65.3	51.6	58.0	70.5	48.8	57.8
27	18.9	7.5	110.7	2.8	61.6	55.1	58.2	98.8	93.6	57.3	0.99	0.02	61.3	59.7	60.4	60.9	59.8	60.3	62.2	58.2	59.7	63.2	57.1	59.4
28	20.2	7.1	261.8	10.9	67.2	46.8	59.9	98.9	56.8	53.6	0.02	0.08	62.7	59.9	61.2	62.2	60.5	61.2	65.8	56.0	61.2	69.1	51.8	60.9
29	19.7	4.4	275.4	17.6	58.5	34.7	46.0	99.2	27.1	34.4	0.00	0.11	59.9	54.8	57.4	60.9	56.5	58.2	60.1	49.2	54.2	62.3	44.4	52.0
30	14.5	2.9	150.5	13.9	59.9	31.2	47.2	100.2	45.0	38.6	0.00	0.09	57.3	52.0	54.8	56.8	53.7	55.5	59.0	44.2	51.8	62.3	40.1	50.7
31	28.5	6.3	177.9	4.2	63.7	48.0	56.0	98.3	55.1	50.4	0.10	0.04	57.8	55.4	56.5	57.8	55.8	56.6	57.7	52.2	55.1	58.6	50.8	54.9
TOT				452.8							1.22	3.44												
AVG		5.3	204.7	14.6	70.1	45.9	58.1	95.4	45.3	47.6		0.11	63.9	59.4	61.6	63.4	60.6	61.9	68.9	54.8	61.3	73.4	51.0	60.7
MAX	28.6				81.6			100.2					70.0			68.9			79.1			85.3		
MIN						27.6			22.6					52.0				53.7			44.2			39.4

Illinois Climate Network (ICN)
 November 2015
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DAY	MAX WIND SPEED MPH	AVG WIND SPEED MPH	DIR WIND °	TOTAL SOLAR RAD MJ/M*M	MAX AIR TEMP °F	MIN AIR TEMP °F	AVG AIR TEMP °F	MAX REL HUM %	MIN REL HUM %	AVG DEW POINT °F	TOTAL PRECIP IN	TOTAL EVAP IN	MAX	MIN	AVG	MAX	MIN	AVG	MAX	MIN	AVG	MAX	MIN	AVG
													4" SOIL TEMP UNDER °F	4" SOIL TEMP UNDER °F	4" SOIL TEMP UNDER °F	8" SOIL TEMP UNDER °F	8" SOIL TEMP UNDER °F	8" SOIL TEMP UNDER °F	4" SOIL TEMP UNDER °F	4" SOIL TEMP UNDER °F	4" SOIL TEMP UNDER °F	2" SOIL TEMP UNDER °F	2" SOIL TEMP UNDER °F	2" SOIL TEMP UNDER °F
1	8.4	1.4	199.3	10.5	68.8	42.1	55.1	99.0	48.5	50.3	0.00	0.07	60.6	56.4	58.3	59.7	57.0	58.2	64.0	53.1	57.8	68.2	49.3	57.4
2	7.5	1.5	251.1	4.0	58.6	40.7	52.7	99.2	91.1	51.8	0.01	0.02	58.9	56.0	57.4	58.7	56.6	57.6	59.5	51.6	55.7	61.0	48.1	55.3
3	6.3	1.2	174.5	8.2	68.5	49.1	56.5	99.1	75.0	55.0	0.00	0.05	61.2	57.6	59.0	60.4	57.8	58.9	65.6	55.4	59.1	69.5	53.6	59.3
4	9.3	2.0	210.1	5.2	72.2	49.7	61.7	99.1	72.9	59.1	0.00	0.04	62.3	58.1	60.1	61.5	58.4	59.8	65.2	56.0	60.4	68.4	54.3	60.7
5	28.0	6.0	181.9	4.1	72.2	59.5	66.1	98.9	72.7	63.5	0.96	0.03	63.2	60.4	61.8	62.6	60.4	61.4	65.5	59.5	62.7	68.2	58.5	63.2
6	21.9	6.2	290.0	9.3	65.7	45.3	57.5	96.6	50.4	50.9	0.12	0.06	63.3	59.7	62.3	62.6	60.4	62.0	64.2	55.5	61.5	65.8	52.3	60.6
7	17.1	3.0	298.3	12.4	59.9	37.5	48.4	99.5	30.8	37.8	0.00	0.08	59.7	56.0	58.0	60.4	57.1	58.4	60.6	50.0	54.6	63.6	45.9	52.8
8	14.1	2.5	178.1	16.1	58.7	30.4	42.5	100.2	28.5	32.0	0.00	0.10	56.3	52.6	54.5	57.1	53.7	55.2	58.4	44.0	50.3	61.9	39.7	48.3
9	10.8	1.3	216.9	15.7	62.4	28.1	42.1	100.5	30.9	32.6	0.01	0.10	54.6	49.9	52.2	54.3	51.3	53.0	58.3	41.4	48.9	62.4	37.1	47.3
10	11.2	2.1	191.8	15.6	71.8	29.2	46.6	100.7	27.6	35.2	0.01	0.09	54.2	48.9	51.5	53.9	50.3	52.2	58.9	41.2	49.2	63.2	37.0	47.9
11	30.3	10.2	171.9	8.1	68.4	43.2	59.3	95.8	44.2	50.9	0.13	0.08	56.9	51.1	53.6	56.4	51.9	53.6	59.2	46.6	53.5	60.6	44.0	54.0
12	30.2	10.5	269.8	14.8	65.8	40.0	51.5	80.5	33.4	35.4	0.00	0.12	56.9	52.4	54.7	56.5	53.6	55.1	58.6	46.9	52.9	60.9	42.7	51.0
13	22.0	4.9	277.0	15.6	58.6	31.4	44.2	93.2	21.7	27.4	0.00	0.11	52.6	49.5	51.1	53.6	50.6	51.9	54.2	41.5	47.2	56.5	37.3	45.1
14	17.8	4.8	189.9	15.3	67.5	29.0	49.1	97.8	26.4	33.3	0.00	0.12	52.5	47.4	50.0	52.2	48.7	50.6	56.3	39.3	47.1	60.3	35.3	45.9
15	15.9	4.0	179.9	11.4	65.5	34.4	52.0	96.4	29.2	35.8	0.00	0.09	52.9	48.7	51.0	52.7	49.7	51.3	55.4	42.1	49.1	58.8	38.6	48.3
16	19.1	7.0	153.7	2.3	54.3	47.2	51.3	96.6	45.9	44.7	0.43	0.03	52.9	51.7	52.2	53.1	52.1	52.5	52.1	49.1	50.6	52.5	47.7	50.1
17	35.1	14.0	145.9	4.5	71.0	53.9	63.4	99.1	64.1	58.3	2.19	0.06	58.0	52.8	55.7	57.4	53.0	55.0	60.4	52.0	57.1	62.8	51.9	58.3
18	32.6	13.0	197.2	5.9	64.0	50.5	57.8	98.6	59.9	50.0	0.62	0.07	58.6	55.3	57.4	58.2	56.2	57.5	59.9	50.9	56.9	60.8	47.8	55.9
19	19.7	6.5	277.6	13.8	57.3	29.8	47.4	93.4	21.5	33.9	0.00	0.09	55.4	51.2	54.0	56.2	53.0	54.6	56.9	44.3	50.5	60.0	39.4	48.7
20	28.1	6.3	139.8	14.5	57.9	26.9	43.8	98.7	20.1	23.8	0.01	0.12	51.8	48.3	50.2	53.0	49.9	51.1	52.7	39.3	45.1	55.3	35.3	43.1
21	36.8	9.0	253.2	2.9	48.4	26.8	39.0	94.0	36.6	28.8	0.21	0.03	49.5	46.3	48.8	50.7	48.0	49.8	45.5	38.2	43.3	44.7	34.6	41.2
22	12.7	3.3	211.9	14.2	42.7	21.4	31.3	83.4	23.5	14.2	0.00	0.08	46.7	43.6	45.1	48.0	45.1	46.2	45.7	36.1	39.0	48.4	33.5	37.1
23	19.6	6.5	216.7	13.8	59.0	33.0	43.6	74.9	31.2	27.1	0.00	0.10	47.0	42.6	44.7	46.7	44.0	45.4	49.2	35.9	41.0	53.0	33.5	40.0
24	20.7	6.1	187.4	11.3	61.7	35.7	49.5	92.7	28.1	34.3	0.00	0.09	48.4	44.4	46.3	48.0	45.3	46.6	51.3	39.1	44.2	54.0	36.6	43.5
25	25.9	9.7	176.1	6.8	59.3	44.8	53.2	61.1	38.0	35.6	0.00	0.09	49.1	45.7	47.3	49.0	46.6	47.6	49.2	41.0	45.5	51.0	38.8	45.2
26	25.4	12.0	176.0	4.9	65.6	56.5	61.2	73.1	56.7	48.5	0.00	0.09	52.5	49.1	50.9	52.1	48.9	50.4	55.3	48.8	52.0	57.4	48.8	52.8
27	31.0	9.8	222.9	1.4	64.1	46.3	57.7	98.4	61.1	52.8	1.43	0.03	55.0	52.5	53.7	54.4	51.9	53.2	57.2	53.2	55.1	58.2	51.8	55.4
28	14.8	6.9	251.4	1.3	47.2	41.1	42.9	98.7	97.5	42.4	0.74	0.01	53.6	50.0	51.6	53.8	50.6	52.1	53.2	47.6	49.8	51.8	46.0	48.3
29	17.3	6.7	34.4	1.3	44.0	41.2	42.6	98.5	91.2	41.4	0.27	0.01	50.0	48.9	49.3	50.6	49.5	49.9	47.6	46.3	46.8	46.9	44.9	45.8
30	10.0	3.3	129.3	2.3	49.1	40.8	45.0	99.0	94.2	44.6	0.08	0.01	50.0	48.5	49.2	50.1	49.0	49.5	49.7	46.0	47.8	50.3	45.0	47.5
TOT				267.6							7.19	2.06												
AVG		6.1	201.8	8.9	61.0	39.5	50.5	93.9	48.4	41.0		0.07	54.8	51.2	53.1	54.8	52.0	53.3	56.3	46.4	51.2	58.5	43.6	50.3
MAX	36.8				72.2			100.7					63.3			62.6			65.6			69.5		
MIN						21.4			20.1					42.6				44.0			35.9			33.5

Illinois Climate Network (ICN)
December 2015
Monthly Summary For Carbondale

DAY	MAX WIND SPEED MPH	AVG WIND SPEED MPH	DIR WIND °	TOTAL SOLAR RAD MJ/M*°M	MAX AIR TEMP °F	MIN AIR TEMP °F	AVG AIR TEMP °F	MAX REL HUM %	MIN REL HUM %	AVG DEW POINT °F	TOTAL PRECIP IN	TOTAL EVAP IN	MAX 4" SOIL TEMP °F	MIN 4" SOIL TEMP °F	AVG 4" SOIL TEMP °F	MAX 8" SOIL TEMP °F	MIN 8" SOIL TEMP °F	AVG 8" SOIL TEMP °F	MAX 4" SOIL TEMP °F	MIN 4" SOIL TEMP °F	AVG 4" SOIL TEMP °F	MAX 2" SOIL TEMP °F	MIN 2" SOIL TEMP °F	AVG 2" SOIL TEMP °F
													SOIL TEMP °F	SOIL TEMP °F	SOIL TEMP °F	SOIL TEMP °F	SOIL TEMP °F	SOIL TEMP °F	SOIL TEMP °F	SOIL TEMP °F	SOIL TEMP °F	SOIL TEMP °F	SOIL TEMP °F	SOIL TEMP °F
1	15.9	5.5	243.9	8.6	49.0	32.0	42.9	99.5	52.0	37.5	0.00	0.05	50.7	47.9	49.8	50.6	49.2	50.1	52.1	42.3	48.2	54.1	38.3	47.0
2	21.8	9.0	268.9	10.3	45.5	35.8	40.3	97.2	46.9	31.7	0.00	0.06	47.9	46.4	47.0	49.3	47.2	47.9	47.8	40.1	43.1	50.2	37.5	41.8
3	14.3	1.8	280.4	12.3	44.1	24.7	33.1	100.2	57.7	28.5	0.00	0.06	46.6	43.7	45.2	47.5	45.2	46.2	48.3	37.3	41.5	51.2	34.5	39.8
4	10.1	1.6	173.4	13.1	51.0	21.4	34.1	100.3	44.6	28.3	0.01	0.07	45.4	41.5	43.4	45.5	43.2	44.5	47.6	36.2	40.1	50.8	33.7	38.4
5	8.5	2.7	104.9	11.9	53.6	23.1	35.3	100.7	51.6	31.7	0.01	0.06	45.3	41.3	43.1	45.1	42.7	43.9	48.5	36.0	40.5	52.1	33.7	39.3
6	14.7	4.4	218.6	9.9	57.7	26.3	43.2	100.7	40.1	34.0	0.00	0.07	45.6	41.4	43.6	45.6	42.6	44.0	47.8	36.1	42.0	51.3	33.8	41.6
7	9.1	2.4	229.6	5.9	51.6	29.5	42.7	100.2	61.8	37.0	0.00	0.04	47.5	44.8	46.0	47.1	45.6	46.2	50.2	40.6	45.5	52.8	37.4	44.6
8	24.6	8.6	196.9	12.2	62.0	31.5	49.8	100.2	49.0	41.5	0.00	0.09	47.9	43.6	45.7	47.4	44.5	45.9	52.2	38.5	44.7	55.7	36.0	44.5
9	20.5	6.6	235.7	10.9	62.8	43.2	52.8	91.5	44.8	42.8	0.00	0.08	49.6	46.7	47.9	48.9	46.9	47.8	54.1	44.5	48.5	57.7	42.8	48.3
10	28.5	8.8	201.2	8.2	64.4	41.6	55.2	91.3	46.2	46.3	0.00	0.06	50.1	46.8	48.4	49.6	47.2	48.3	53.5	44.2	48.5	56.6	42.6	48.6
11	25.6	8.6	198.7	2.9	68.1	54.6	60.7	98.6	77.8	58.0	0.00	0.03	53.7	50.1	51.7	52.7	49.6	51.0	56.8	51.6	54.5	58.6	52.5	55.6
12	23.7	10.8	191.2	4.8	72.9	64.5	67.7	90.3	68.3	61.8	0.00	0.06	57.0	53.7	55.5	55.9	52.6	54.3	62.6	56.8	59.4	65.3	58.0	60.7
13	46.8	12.7	160.4	1.7	71.8	57.6	65.4	94.5	56.6	57.3	0.17	0.06	57.5	56.3	56.8	56.7	55.7	56.0	59.8	57.7	59.0	60.9	57.5	59.3
14	32.8	13.0	223.9	5.9	57.8	47.2	51.4	95.3	53.8	43.0	0.29	0.06	57.5	53.0	55.2	56.8	53.8	55.4	59.5	50.5	55.0	59.2	48.6	53.5
15	11.5	3.9	184.9	7.6	58.5	37.3	48.0	98.8	57.8	41.7	0.00	0.05	53.8	51.4	52.8	53.9	52.3	53.1	56.1	46.8	50.9	58.6	43.6	49.9
16	22.3	8.2	224.2	9.1	63.3	38.4	52.3	85.9	35.1	41.1	0.03	0.08	53.2	50.6	51.6	52.9	51.0	51.9	56.7	45.1	49.8	59.6	40.7	49.0
17	16.2	6.1	320.5	4.9	39.0	28.7	34.7	82.4	56.9	24.9	0.00	0.04	50.7	46.7	48.0	51.8	47.6	49.0	45.1	38.9	41.5	42.9	35.4	39.1
18	21.7	8.6	268.5	12.2	41.4	31.3	35.8	71.0	27.1	17.8	0.00	0.08	46.7	43.8	45.4	47.7	45.2	46.5	45.0	37.2	40.0	46.6	34.2	38.2
19	15.9	4.6	221.4	11.9	50.7	25.4	38.8	82.1	32.2	24.2	0.00	0.07	45.0	42.1	43.6	45.3	43.4	44.5	45.8	35.7	39.2	48.9	33.5	37.8
20	30.0	12.8	186.9	6.4	53.7	37.9	46.7	73.4	30.9	27.9	0.00	0.10	45.1	43.0	44.0	45.5	43.9	44.6	44.1	37.2	40.6	45.7	35.1	39.9
21	27.4	11.7	202.1	1.9	59.0	47.3	53.5	97.9	59.7	51.1	0.18	0.02	49.7	45.1	47.2	49.2	45.4	47.0	52.5	42.7	48.2	53.9	42.5	49.4
22	15.9	5.4	186.4	6.0	56.3	42.7	48.2	98.8	76.0	45.6	0.00	0.04	50.1	48.5	49.4	50.0	48.8	49.4	52.5	47.5	50.2	55.1	46.4	50.2
23	31.9	11.9	199.7	1.5	65.9	49.9	60.3	98.8	63.3	56.9	0.81	0.03	54.0	50.0	52.5	53.0	49.9	51.8	57.5	51.2	54.9	59.5	33.5	55.7
24	16.1	3.6	213.3	10.1	60.5	33.3	47.2	99.5	48.2	40.5	0.00	0.06	53.1	49.6	51.0	52.8	49.9	51.1	54.5	44.5	49.7	57.8	41.0	48.6
25	17.3	6.3	113.3	10.8	56.0	44.1	49.4	96.4	46.5	39.5	0.00	0.08	50.8	49.5	50.1	50.8	49.8	50.3	53.9	46.5	49.3	56.2	44.6	48.7
26	23.2	8.3	147.4	0.7	70.1	47.6	58.8	98.8	67.1	56.9	1.07	0.01	54.5	49.6	51.4	53.4	49.9	51.0	57.6	48.2	52.1	60.5	47.3	53.2
27	27.4	12.3	144.8	1.2	71.7	41.9	47.2	97.0	68.3	45.4	1.80	0.01	55.5	49.7	52.6	54.6	50.4	52.7	59.3	47.4	52.5	62.1	45.6	51.3
28	38.8	13.1	134.2	3.0	64.4	42.1	47.8	99.0	55.9	43.7	2.23	0.03	50.6	48.6	49.4	50.5	49.1	49.8	52.2	46.7	48.4	54.4	45.2	47.7
29	21.9	6.4	225.9	3.6	43.3	34.8	37.0	82.8	66.6	29.7	0.00	0.03	49.4	46.5	47.6	49.9	47.1	48.1	47.6	42.1	44.1	45.5	40.3	42.4
30	11.0	4.1	267.6	2.2	36.8	33.5	35.3	94.2	72.8	29.8	0.00	0.02	46.5	45.1	45.8	47.1	45.5	46.2	42.8	40.2	41.6	42.5	38.4	40.2
31	14.5	5.1	319.9	3.3	34.9	28.1	33.0	89.9	64.8	25.4	0.00	0.03	45.1	43.1	44.1	45.6	43.8	44.6	40.7	37.0	39.2	40.8	34.5	37.7
TOT				215.0							6.61	1.62												
AVG		7.4	209.3	6.9	56.1	38.0	46.7	93.8	54.2	39.4		0.05	50.2	47.1	48.6	50.1	47.7	48.8	51.8	43.5	47.2	53.8	40.9	46.5
MAX	46.8				72.9			100.7					57.5		56.8				62.6		65.3			
MIN						21.4			27.1					41.3			42.6			35.7			33.5	

Illinois Climate Network (ICN)
 January 2016
 Monthly Summary For Carbondale

DAY	MAX WIND SPEED MPH	AVG WIND SPEED MPH	DIR WIND °	TOTAL SOLAR RAD MJ/M*M	MAX AIR TEMP °F	MIN AIR TEMP °F	AVG AIR TEMP °F	MAX REL HUM %	MIN REL HUM %	AVG DEW POINT °F	TOTAL PRECIP IN	TOTAL EVAP IN	MAX	MIN	AVG	MAX	MIN	AVG	MAX	MIN	AVG	MAX	MIN	AVG	
													4" SOIL TEMP UNDER °F	4" SOIL TEMP UNDER °F	4" SOIL TEMP UNDER °F	8" SOIL TEMP UNDER °F	8" SOIL TEMP UNDER °F	8" SOIL TEMP UNDER °F	4" SOIL TEMP UNDER °F	4" SOIL TEMP UNDER °F	4" SOIL TEMP UNDER °F	2" SOIL TEMP UNDER °F	2" SOIL TEMP UNDER °F	2" SOIL TEMP UNDER °F	
1	19.8	4.9	256.3	13.1	41.2	24.6	31.2	97.9	43.6	24.2	0.00	0.05	43.1	40.7	41.9	43.8	41.8	42.6	42.4	35.6	37.7	44.2	33.6	36.3	
2	15.7	5.2	242.3	12.7	48.6	27.2	35.9	96.0	34.9	24.3	0.00	0.07	41.8	39.3	40.5	41.9	40.2	41.2	43.0	35.0	37.5	45.6	33.2	36.1	
3	19.1	7.7	283.6	12.8	42.2	25.5	33.6	98.8	54.8	25.6	0.00	0.06	40.9	38.9	39.9	41.3	39.7	40.6	42.8	34.9	37.4	45.0	33.1	36.1	
4	23.0	7.2	184.0	9.3	37.5	20.5	30.4	92.4	43.5	19.4	0.00	0.05	40.5	39.0	39.7	40.8	39.7	40.3	40.4	35.0	36.6	42.4	33.2	35.3	
5	14.8	2.6	168.7	12.8	40.8	16.8	27.3	97.3	40.1	19.4	0.00	0.06	39.0	37.4	38.1	39.9	38.2	38.9	37.8	34.2	35.2	38.9	32.6	33.6	
6	23.0	5.2	154.5	12.3	45.9	19.8	32.3	96.4	34.3	21.5	0.00	0.06	38.5	36.8	37.6	38.6	37.5	38.1	37.8	33.9	35.0	39.1	32.5	33.6	
7	15.7	4.8	146.1	5.6	49.8	30.1	42.1	93.1	55.0	33.3	0.15	0.04	41.3	37.7	39.1	41.1	38.1	39.2	42.5	34.5	38.4	44.3	33.1	38.4	
8	19.7	7.5	198.4	2.8	53.3	45.3	49.8	98.2	86.5	48.1	0.05	0.02	44.8	41.3	43.2	44.6	41.1	42.9	47.9	42.2	45.4	50.1	42.5	46.3	
9	30.5	8.6	282.1	1.3	49.8	24.8	40.1	98.4	80.6	38.4	0.91	0.01	45.1	42.7	44.6	45.1	43.3	44.7	46.8	38.6	44.8	47.0	35.3	43.7	
10	29.3	9.8	288.7	13.1	25.0	11.4	17.2	91.8	46.8	9.6	0.00	0.03	42.7	37.3	39.3	43.4	38.3	40.3	38.7	34.4	35.7	35.3	32.5	33.3	
11	25.4	8.9	204.9	12.0	40.1	10.5	27.8	92.0	48.9	18.5	0.00	0.06	37.3	36.2	36.5	38.3	36.7	37.3	34.4	33.6	33.8	32.5	32.1	32.3	
12	32.3	9.3	249.7	13.0	40.2	18.3	31.7	71.6	27.9	15.8	0.00	0.07	37.2	36.2	36.6	37.1	36.5	36.8	35.8	33.6	34.1	38.4	32.3	33.5	
13	20.7	6.5	208.8	13.1	39.6	13.7	28.4	91.6	41.9	18.3	0.00	0.06	36.2	35.4	35.6	36.9	36.1	36.4	34.2	33.5	33.7	32.9	32.3	32.4	
14	30.3	12.2	202.9	12.9	58.6	38.1	47.9	84.5	51.4	37.0	0.01	0.10	39.7	35.5	37.3	39.4	36.0	37.1	43.3	33.5	37.4	47.4	32.4	37.9	
15	27.5	11.7	243.3	4.5	55.7	33.6	45.7	97.4	58.8	39.3	0.03	0.05	42.7	39.7	41.2	42.4	39.3	40.9	47.7	40.2	43.1	51.2	37.8	43.1	
16	15.8	6.5	242.4	8.0	36.1	21.7	31.1	94.1	59.1	23.5	0.00	0.04	41.6	39.2	40.4	41.9	39.9	40.7	41.8	35.9	38.3	43.1	33.9	36.9	
17	20.5	6.7	312.6	7.1	26.5	10.0	18.6	98.0	48.4	12.4	0.00	0.02	39.2	36.2	37.3	39.9	37.0	38.2	36.0	33.6	34.6	33.9	31.9	32.9	
18	22.6	5.4	294.2	14.2	18.7	6.1	11.4	87.0	45.7	1.5	0.00	0.04	36.2	34.7	35.3	37.1	35.4	36.1	33.6	32.4	32.8	31.9	26.4	30.0	
19	16.4	4.9	118.6	6.5	24.8	8.0	18.0	96.3	47.9	9.3	0.15	0.03	34.8	34.1	34.3	35.4	34.7	35.0	32.4	31.4	31.8	31.3	26.0	29.0	
20	12.8	4.7	158.7	12.6	29.5	18.0	22.2	96.8	61.8	18.3	0.06	0.04	34.1	34.0	34.1	34.8	34.5	34.6	32.2	31.8	31.9	31.5	30.4	31.1	
21	15.2	6.9	49.8	3.8	28.2	16.6	24.3	90.8	71.6	19.7	0.00	0.02	34.1	34.0	34.0	34.6	34.5	34.5	32.3	32.0	32.1	31.5	31.0	31.3	
22	29.0	13.3	212.7	10.1	31.3	26.1	28.2	79.9	57.4	19.1	0.00	0.05	34.1	33.9	34.0	34.6	34.4	34.5	32.3	32.2	32.2	31.7	31.4	31.6	
23	19.8	5.8	305.6	14.6	35.1	17.0	26.2	90.3	43.3	17.8	0.00	0.06	34.0	33.9	34.0	34.6	34.4	34.5	32.5	32.3	32.3	31.7	26.0	31.4	
24	22.7	8.2	192.2	12.8	42.9	16.8	31.9	91.5	45.6	21.2	0.00	0.07	34.0	33.8	33.9	34.5	34.4	34.4	32.6	32.3	32.4	31.8	30.5	31.2	
25	29.7	12.2	205.6	3.2	54.7	36.4	45.0	86.8	52.4	35.5	0.01	0.05	35.4	33.9	34.2	35.0	34.3	34.5	32.4	32.4	32.4	33.4	31.8	32.0	
26	20.5	8.3	312.2	3.9	40.5	29.9	34.8	80.5	63.9	25.8	0.00	0.04	36.2	35.2	35.6	36.4	35.0	35.8	32.5	32.4	32.4	33.8	31.7	32.5	
27	14.2	4.0	245.2	14.0	43.3	29.0	34.1	79.3	42.5	22.8	0.00	0.07	38.6	35.4	36.6	38.2	35.9	36.8	42.2	32.5	35.6	47.8	32.5	36.5	
28	26.0	8.7	269.5	15.0	60.3	32.3	44.0	75.9	27.4	28.2	0.00	0.11	40.0	36.1	37.8	39.5	36.6	37.8	45.3	34.2	38.5	50.4	32.8	38.7	
29	19.6	4.6	220.9	15.1	51.4	22.6	38.4	98.2	35.7	28.0	0.00	0.09	40.1	36.6	38.4	39.6	37.3	38.5	45.5	34.7	39.0	50.3	32.9	38.4	
30	27.4	12.2	199.9	13.8	63.8	43.8	54.7	72.9	40.1	40.3	0.00	0.12	43.7	38.9	41.0	43.0	38.9	40.4	50.0	38.0	43.6	55.3	36.4	45.0	
31	40.6	16.0	233.5	5.6	65.0	47.3	59.4	76.3	56.8	49.6	0.00	0.08	47.9	43.7	46.0	46.9	42.9	44.9	53.7	47.2	50.5	57.2	47.9	52.2	
TOT				311.7							1.37	1.72													
AVG		7.8	222.2	10.1	42.6	23.9	33.7	90.1	49.9	24.7		0.06	39.2	37.0	38.0	39.4	37.5	38.3	39.4	34.8	36.7	40.7	33.0	35.9	
MAX	40.6				65.0			98.8					47.9			46.9			53.7			57.2			
MIN					6.1				27.4					33.8			34.3			31.4			26.0		

Illinois Climate Network (ICN)
 February 2016
 Monthly Summary For Carbondale

DAY	MAX WIND SPEED MPH	AVG WIND SPEED MPH	DIR WIND °	TOTAL SOLAR RAD MJ/M*°M	MAX AIR TEMP °F	MIN AIR TEMP °F	AVG AIR TEMP °F	MAX REL HUM %	MIN REL HUM %	AVG DEW POINT °F	TOTAL PRECIP IN	TOTAL EVAP IN	MAX	MIN	AVG	MAX	MIN	AVG	MAX	MIN	AVG	MAX	MIN	AVG
													4" SOIL TEMP °F	4" SOIL TEMP °F	4" SOIL TEMP °F	8" SOIL TEMP °F	8" SOIL TEMP °F	8" SOIL TEMP °F	4" SOIL TEMP °F	4" SOIL TEMP °F	4" SOIL TEMP °F	2" SOIL TEMP °F	2" SOIL TEMP °F	2" SOIL TEMP °F
1	15.5	5.8	88.0	15.3	57.4	42.2	48.3	77.7	37.3	34.3	0.00	0.10	47.9	45.4	46.6	46.9	45.3	46.2	54.1	44.6	48.6	58.4	41.3	48.2
2	34.1	11.2	156.0	3.5	69.4	43.3	56.9	98.4	32.5	49.1	0.20	0.05	49.5	44.8	46.8	48.5	44.8	46.2	55.0	43.5	49.0	58.9	41.3	50.1
3	26.5	10.6	270.7	5.7	56.2	33.4	40.9	69.0	32.9	27.0	0.00	0.06	49.0	43.5	45.8	48.4	44.1	46.1	50.7	39.3	43.9	48.0	36.2	41.5
4	20.2	4.3	272.8	16.4	40.9	22.5	31.2	89.7	37.3	18.6	0.00	0.08	43.5	40.9	42.2	44.2	41.6	42.6	45.8	36.1	39.7	49.5	33.7	38.3
5	13.9	2.6	231.2	15.1	47.8	22.1	33.9	90.6	30.6	22.3	0.00	0.08	42.0	38.7	40.3	41.9	39.6	40.7	44.3	35.2	38.6	48.0	33.0	37.2
6	15.6	4.5	223.9	16.4	56.5	21.6	40.1	97.2	22.1	22.1	0.00	0.11	42.2	38.2	40.1	41.6	39.0	40.3	47.0	35.1	39.6	51.7	33.0	38.9
7	30.2	9.3	231.3	14.0	57.1	37.1	46.4	66.9	31.8	26.6	0.00	0.11	43.2	39.5	41.3	42.7	39.9	41.2	47.2	35.8	41.0	51.3	33.5	40.7
8	30.3	12.6	295.8	4.6	41.8	24.5	32.1	81.3	45.0	21.3	0.00	0.05	42.5	38.9	40.7	42.5	39.8	41.2	42.0	35.3	37.9	39.6	33.2	35.8
9	23.2	9.1	309.3	5.9	24.8	14.1	21.2	90.6	58.8	14.3	0.02	0.03	38.9	37.1	37.6	39.8	37.7	38.5	35.3	34.1	34.5	33.2	32.6	32.7
10	20.8	5.4	245.2	7.4	24.1	13.0	20.3	91.0	45.1	13.3	0.07	0.02	37.1	36.4	36.7	37.7	36.9	37.2	34.1	33.7	33.8	32.6	32.4	32.5
11	12.8	5.0	46.9	15.6	34.7	20.8	27.6	91.1	53.4	18.7	0.00	0.06	38.3	36.7	37.3	38.3	36.9	37.5	35.4	33.6	34.0	37.0	32.5	33.1
12	23.0	6.5	264.1	8.0	35.7	22.3	28.6	97.6	51.1	21.6	0.10	0.04	37.8	36.6	37.3	38.0	37.3	37.6	34.7	33.9	34.1	34.6	32.5	32.9
13	21.1	7.2	192.4	14.1	26.1	13.6	20.6	69.8	32.9	5.3	0.00	0.06	36.7	35.3	35.7	37.4	35.8	36.4	33.9	33.1	33.3	32.6	31.5	31.9
14	20.1	6.7	141.0	2.6	28.0	20.8	25.0	99.2	49.7	19.3	0.21	0.02	35.3	34.8	35.0	35.8	35.3	35.5	33.1	33.0	33.0	31.9	31.5	31.8
15	9.9	2.3	213.9	9.3	41.6	26.2	32.3	100.4	68.5	30.4	0.00	0.04	35.1	34.8	34.9	35.4	35.2	35.3	33.0	32.9	33.0	32.0	31.9	31.9
16	11.8	2.8	201.6	3.2	35.1	26.1	32.5	100.3	98.0	32.4	0.40	0.01	35.2	34.9	35.0	35.5	35.2	35.3	33.0	32.9	33.0	32.1	31.9	32.0
17	8.9	2.5	220.9	12.2	50.3	29.0	37.4	99.8	47.9	32.4	0.00	0.06	38.1	35.2	36.4	36.7	35.4	35.9	33.1	32.9	33.0	32.2	32.0	32.1
18	36.4	11.3	158.1	15.1	58.6	30.3	46.6	95.9	43.1	34.8	0.00	0.11	40.6	35.9	38.0	39.9	35.9	37.3	42.5	33.1	36.6	48.4	32.2	37.7
19	47.1	16.7	207.5	7.3	64.0	54.6	58.6	86.5	44.7	46.4	0.00	0.10	45.2	40.6	42.8	44.3	39.8	41.8	50.2	41.1	45.7	54.0	41.8	47.9
20	23.8	8.2	207.2	17.0	74.3	44.1	61.2	98.7	51.8	54.5	0.00	0.13	50.0	43.6	46.6	48.7	43.4	45.4	59.6	44.1	51.6	66.4	43.0	54.3
21	19.5	7.8	285.6	14.1	62.0	43.1	54.3	98.2	50.0	47.0	0.02	0.10	51.7	49.3	50.3	50.5	48.6	49.4	59.0	48.7	54.7	63.9	45.4	55.4
22	14.1	6.2	65.9	13.7	49.5	35.3	41.4	88.8	59.4	34.3	0.00	0.07	49.4	46.2	47.5	49.4	46.3	47.4	51.6	42.8	46.6	55.2	39.6	45.5
23	27.8	8.7	102.2	13.4	53.9	26.8	41.4	100.0	54.0	34.6	1.00	0.08	46.5	43.2	45.1	46.6	43.8	45.1	49.1	38.2	43.8	53.2	31.5	43.3
24	35.0	14.9	279.6	2.7	40.4	32.5	36.8	100.1	63.9	32.9	1.63	0.02	45.3	40.6	42.4	45.5	41.2	43.2	44.6	37.0	39.6	43.1	34.4	37.1
25	18.9	8.6	288.6	3.1	38.9	31.0	37.0	76.7	58.9	28.1	0.00	0.04	40.7	40.0	40.4	41.3	40.5	40.8	39.3	36.5	38.0	39.4	34.1	36.8
26	12.8	4.0	261.3	13.1	40.9	27.5	33.9	91.1	52.0	25.1	0.00	0.06	41.8	38.4	40.0	41.5	39.1	40.2	44.5	35.1	38.7	48.6	33.4	38.4
27	27.6	7.1	197.7	20.6	60.5	26.0	46.0	98.4	34.6	33.0	0.00	0.14	44.5	38.6	41.4	43.4	39.3	41.1	51.5	35.5	42.5	57.3	33.5	43.2
28	41.2	16.4	219.3	19.2	66.0	48.3	57.4	67.8	45.7	41.8	0.00	0.17	47.8	42.9	45.3	46.7	42.7	44.3	54.3	41.9	47.9	59.3	40.5	49.3
29	30.2	5.8	238.3	21.5	62.5	31.7	49.6	90.7	21.1	31.5	0.00	0.16	49.2	44.4	46.9	47.6	44.5	46.1	56.9	41.3	48.8	62.6	37.7	48.7
TOT				330.3							3.65	2.15												
AVG		7.7	210.9	11.4	48.2	29.8	39.3	89.8	46.7	29.4		0.07	42.9	39.8	41.3	42.6	40.2	41.2	44.6	37.3	40.5	46.7	35.2	40.0
MAX	47.1				74.3			100.4					51.7			50.5			59.6			66.4		
MIN						13.0			21.1					34.8			35.2			32.9			31.5	

Illinois Climate Network (ICN)
 March 2016
 Monthly Summary For Carbondale

DAY	MAX WIND SPEED MPH	AVG WIND SPEED MPH	DIR WIND °	TOTAL SOLAR RADIATION 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	MIN	AVG	MAX	MIN	AVG	MAX	MIN	AVG	MAX	MIN	AVG
													4" SOIL TEMP °F	4" SOIL TEMP °F	4" SOIL TEMP °F	8" SOIL TEMP °F	8" SOIL TEMP °F	8" SOIL TEMP °F	4" SOIL TEMP °F	4" SOIL TEMP °F	4" SOIL TEMP °F	2" SOIL TEMP °F	2" SOIL TEMP °F	2" SOIL TEMP °F
1	29.0	9.9	279.2	3.4	55.3	30.1	43.4	97.0	51.1	35.5	0.43	0.04	47.1	44.2	46.0	46.8	44.6	45.8	48.6	40.1	45.3	50.5	35.4	43.8
2	16.2	4.6	225.5	17.2	43.4	22.0	34.4	91.8	41.7	23.0	0.00	0.09	44.7	40.9	43.1	44.6	41.6	43.1	47.7	36.9	41.6	51.2	34.9	40.7
3	19.8	4.8	165.4	4.3	45.6	39.3	42.9	96.2	54.1	37.2	0.13	0.03	44.6	43.0	43.7	44.3	42.9	43.5	45.5	41.0	43.1	46.6	39.5	42.9
4	17.5	5.0	236.1	2.8	41.5	31.6	36.6	96.0	80.8	32.8	0.00	0.02	44.5	42.9	43.6	44.3	43.2	43.6	44.2	39.9	42.0	43.6	37.1	40.8
5	26.6	8.0	249.5	21.7	60.6	30.7	45.4	98.1	30.2	34.5	0.00	0.14	47.0	42.2	44.2	45.6	42.4	43.7	52.8	39.2	44.9	57.7	36.8	45.2
6	22.0	6.2	190.7	18.7	59.8	24.9	45.1	99.8	37.0	32.0	0.00	0.13	46.6	41.6	44.3	45.4	42.2	43.9	51.2	37.6	44.3	54.6	35.3	43.7
7	38.7	14.3	198.1	15.5	70.3	56.7	62.7	58.8	29.5	41.0	0.00	0.17	50.2	45.9	47.8	48.9	45.3	46.7	54.6	46.0	49.9	58.1	45.5	51.1
8	28.7	11.0	179.6	11.9	70.8	58.8	64.8	74.4	56.6	52.1	0.03	0.12	53.2	49.2	51.0	51.8	48.6	49.8	57.8	50.1	53.9	61.0	50.1	55.5
9	27.0	5.4	152.8	3.4	64.9	57.9	60.8	98.7	67.5	56.8	0.34	0.03	53.9	52.6	53.2	53.0	51.7	52.3	57.3	54.6	55.8	59.2	55.3	56.8
10	18.9	4.8	296.4	2.4	58.4	47.0	52.9	98.9	91.9	52.2	0.69	0.01	53.8	52.0	53.4	53.2	51.9	52.8	55.9	50.6	54.5	56.6	48.9	54.2
11	13.4	4.9	101.5	13.6	59.4	43.5	51.2	98.5	63.4	45.6	0.00	0.08	53.2	50.0	51.6	52.2	50.0	51.2	56.2	47.2	51.5	58.7	45.6	51.7
12	14.1	3.6	103.6	4.7	62.7	52.5	57.4	97.8	83.7	55.0	0.01	0.03	54.3	52.1	53.1	53.4	51.7	52.3	57.3	52.3	54.6	59.2	52.2	55.5
13	21.9	6.6	201.7	16.1	71.2	57.8	63.1	98.7	61.4	57.8	0.44	0.11	58.6	54.2	56.1	57.1	53.4	54.9	65.4	55.7	59.5	70.6	56.1	61.0
14	17.5	3.9	239.2	19.5	72.7	55.3	63.0	98.6	50.0	55.5	0.02	0.14	60.2	56.0	57.9	58.2	55.5	56.6	66.8	56.5	61.0	70.9	56.1	62.0
15	36.7	12.1	185.9	22.7	78.3	53.5	67.0	97.5	49.6	56.0	0.00	0.20	60.8	56.2	58.5	58.8	55.7	57.2	66.1	54.9	60.7	70.5	53.1	61.5
16	27.1	10.1	266.1	19.7	66.0	51.3	58.4	57.3	23.2	34.3	0.00	0.18	59.8	55.9	57.4	58.6	55.6	56.7	62.2	52.8	57.1	65.1	49.4	55.8
17	22.5	5.1	255.2	24.4	65.2	37.2	53.5	85.2	18.1	29.8	0.00	0.18	56.9	53.3	55.1	55.9	53.3	54.5	60.7	48.0	53.9	63.8	44.6	52.9
18	19.5	6.3	146.2	13.0	58.8	33.0	45.9	98.6	33.3	33.7	0.09	0.10	54.4	51.1	52.5	54.3	51.5	52.4	53.9	44.9	49.5	56.4	40.8	47.9
19	19.7	8.0	304.0	12.9	50.3	37.4	43.1	95.8	33.1	30.7	0.22	0.08	51.9	50.0	50.9	52.1	50.3	51.1	52.3	45.1	48.2	53.6	41.5	46.7
20	19.7	6.7	298.8	8.0	46.8	32.5	38.2	98.8	51.8	30.5	0.13	0.05	50.2	47.6	48.5	50.7	48.1	48.9	47.3	41.6	43.8	49.6	38.2	41.8
21	23.5	7.7	236.9	25.6	56.8	31.4	45.2	91.9	30.6	29.0	0.00	0.17	50.4	45.3	47.7	49.4	46.1	47.7	54.9	38.7	45.9	59.9	35.6	45.6
22	42.1	19.1	201.6	24.6	65.9	46.3	56.9	57.8	35.0	36.4	0.00	0.22	52.0	47.5	49.6	50.8	47.6	49.0	55.8	43.0	49.2	59.1	41.0	49.3
23	39.5	17.5	197.8	5.1	68.8	57.3	63.0	67.8	54.1	49.7	0.00	0.11	53.6	51.0	52.0	52.9	50.5	51.3	55.7	50.1	53.0	57.3	34.9	54.0
24	31.1	13.1	251.9	15.0	68.4	38.7	55.6	97.7	44.9	46.0	0.80	0.12	55.9	52.8	54.5	55.0	52.8	53.8	61.0	49.7	56.2	65.2	45.8	56.2
25	18.2	6.3	156.2	17.9	53.4	37.0	42.7	83.5	48.1	32.8	0.00	0.11	53.7	50.0	51.8	53.4	50.3	51.7	57.1	45.2	49.7	62.5	42.2	49.0
26	15.1	3.1	169.7	26.6	66.5	29.0	48.2	99.0	24.7	36.3	0.00	0.18	54.8	48.7	51.6	53.0	49.3	51.1	61.3	42.1	51.2	67.5	38.2	51.5
27	34.3	8.7	242.0	17.8	75.8	36.2	52.5	99.0	38.4	43.8	0.04	0.14	55.5	50.3	52.8	53.9	50.4	52.1	61.7	45.8	53.0	67.3	42.7	52.8
28	16.7	4.1	280.2	27.2	60.5	32.2	46.4	98.5	29.7	34.9	0.00	0.17	54.9	50.0	52.4	53.5	50.5	52.0	61.2	44.3	52.2	66.3	40.3	51.9
29	22.1	5.4	126.7	24.9	61.6	31.7	48.1	99.5	25.9	33.0	0.00	0.17	54.1	49.5	51.8	52.6	50.0	51.4	58.2	43.6	50.8	63.1	39.6	50.2
30	28.4	9.7	171.5	8.5	70.8	41.9	59.3	98.6	38.0	45.7	1.05	0.09	54.8	50.6	52.3	53.5	50.3	51.5	56.7	46.5	52.0	60.0	44.1	52.6
31	33.3	12.0	228.5	13.9	74.5	51.5	64.8	96.2	50.0	56.4	0.22	0.11	59.3	54.8	56.8	57.6	53.4	55.4	65.7	56.3	59.9	70.6	53.7	61.3
TOT				463.1							4.65	3.53												
AVG		8.0	210.9	14.9	62.1	41.5	52.0	91.2	46.0	41.0		0.11	53.1	49.4	51.1	52.1	49.4	50.6	56.5	46.5	51.2	59.9	43.7	51.2
MAX	42.1				78.3			99.8					60.8			58.8			66.8			70.9		
MIN						22.0			18.1					40.9			41.6			36.9			34.9	

Illinois Climate Network (ICN)
 April 2016
 Monthly Summary For Carbondale

DAY	MAX WIND SPEED MPH	AVG WIND SPEED MPH	DIR WIND °	TOTAL SOLAR RAD MJ/M*M	MAX AIR TEMP °F	MIN AIR TEMP °F	AVG AIR TEMP °F	MAX REL HUM %	MIN REL HUM %	AVG DEW POINT °F	TOTAL PRECIP IN	TOTAL EVAP IN	MAX 4" SOIL TEMP °F	MIN 4" SOIL TEMP °F	AVG 4" SOIL TEMP °F	MAX 8" SOIL TEMP °F	MIN 8" SOIL TEMP °F	AVG 8" SOIL TEMP °F	MAX 4" BARE SOIL TEMP °F	MIN 4" BARE SOIL TEMP °F	AVG 4" BARE SOIL TEMP °F	MAX 2" BARE SOIL TEMP °F	MIN 2" BARE SOIL TEMP °F	AVG 2" BARE SOIL TEMP °F
													SOIL TEMP °F	SOIL TEMP °F	SOIL TEMP °F	SOIL TEMP °F	SOIL TEMP °F	SOIL TEMP °F	SOIL TEMP °F	SOIL TEMP °F	SOIL TEMP °F	SOIL TEMP °F	SOIL TEMP °F	SOIL TEMP °F
1	24.7	8.2	285.7	22.1	60.5	41.7	50.3	96.1	32.7	37.0	0.00	0.15	57.7	53.8	55.2	57.0	54.2	55.1	59.8	50.2	54.5	63.2	47.2	53.1
2	39.8	10.8	297.5	27.7	63.8	38.9	50.3	86.3	25.4	30.4	0.00	0.19	54.4	51.5	53.1	54.3	52.1	53.1	58.1	45.8	51.3	62.0	42.4	50.5
3	27.0	9.8	214.4	28.0	66.2	29.6	52.3	91.5	28.8	33.2	0.00	0.21	55.1	49.6	52.3	53.7	50.3	52.1	59.4	42.1	50.6	64.2	38.1	50.8
4	22.4	9.6	186.4	24.2	66.2	42.5	58.6	66.5	36.7	39.6	0.00	0.20	57.4	53.0	54.8	55.9	52.7	54.0	63.8	50.2	55.1	69.4	45.8	55.8
5	21.9	8.2	102.0	27.4	59.5	35.6	46.9	71.3	26.7	27.9	0.00	0.18	56.1	51.3	53.7	54.9	51.7	53.2	60.2	43.3	51.1	65.6	38.9	50.5
6	40.8	12.6	223.7	5.8	68.1	49.2	55.9	94.6	34.3	40.1	0.25	0.10	53.9	52.3	53.0	53.6	52.1	52.7	53.3	47.8	50.5	54.5	45.9	49.9
7	37.3	10.1	288.2	20.3	60.5	40.9	49.6	89.7	36.8	37.9	0.09	0.13	53.3	50.9	52.0	53.0	51.2	52.1	56.7	46.2	50.7	59.7	44.1	50.3
8	30.5	10.7	295.7	18.8	54.0	38.3	46.8	91.0	30.1	29.8	0.00	0.13	51.8	49.6	50.6	52.3	50.2	51.1	52.9	43.9	47.9	55.5	41.0	47.0
9	23.2	6.1	160.4	29.3	51.1	31.1	41.7	61.1	26.0	19.9	0.00	0.18	53.1	47.2	50.0	51.7	48.4	50.0	58.7	38.9	47.5	64.6	35.4	47.7
10	34.7	13.4	186.0	10.1	74.8	43.0	58.4	84.3	31.3	38.6	0.05	0.11	53.1	49.3	50.9	52.1	49.3	50.4	55.8	43.6	49.4	60.2	41.2	50.0
11	22.4	7.3	252.4	6.4	69.6	35.9	54.3	95.7	47.4	47.0	1.03	0.05	54.2	52.6	53.6	53.4	52.1	52.9	56.2	49.5	54.6	57.9	45.6	54.6
12	20.1	4.4	160.0	30.0	57.7	31.9	45.1	98.6	32.3	32.1	0.00	0.19	54.9	49.4	52.0	53.4	50.2	51.8	61.4	43.2	51.4	67.1	39.0	51.2
13	13.8	3.5	107.6	28.3	67.0	31.9	50.5	99.2	23.8	33.9	0.00	0.20	56.0	49.5	52.6	54.0	50.2	52.0	62.2	43.4	52.6	68.3	39.8	53.3
14	17.6	3.5	145.9	20.6	71.4	38.6	57.7	96.0	30.9	42.6	0.00	0.15	56.8	51.8	54.4	54.9	51.8	53.3	62.4	47.8	55.8	67.9	45.1	56.6
15	21.6	5.1	158.2	28.5	76.5	49.9	64.1	97.0	28.4	47.9	0.00	0.23	61.3	55.0	57.8	58.1	54.3	55.9	70.0	54.8	61.2	75.9	53.5	62.5
16	21.5	5.9	155.0	26.2	78.1	49.0	64.7	90.3	35.3	49.6	0.00	0.21	62.1	56.2	59.0	59.2	55.7	57.4	70.5	52.7	61.3	76.7	50.4	62.1
17	17.2	3.2	181.5	27.7	81.4	47.6	64.6	97.6	29.2	50.3	0.00	0.23	63.8	57.3	60.3	60.6	56.8	58.6	72.7	54.3	63.2	78.3	51.9	64.1
18	21.8	4.1	195.0	27.9	80.2	46.6	64.6	98.3	20.5	46.2	0.00	0.24	63.5	58.0	60.8	60.9	57.7	59.4	71.1	54.2	62.6	76.6	51.3	62.9
19	14.8	3.4	210.8	19.7	78.4	52.9	65.0	89.8	33.1	50.2	0.00	0.16	64.1	59.5	61.6	61.8	58.8	60.2	71.2	57.3	63.2	77.0	55.7	63.8
20	20.0	4.9	184.9	8.9	77.5	53.9	63.2	98.5	40.4	56.2	1.64	0.07	62.6	60.5	61.6	61.2	59.8	60.5	66.1	58.7	62.1	71.0	57.8	62.5
21	23.2	5.6	234.0	20.8	74.6	55.7	63.6	98.7	43.8	57.0	0.13	0.16	65.0	60.9	62.7	62.8	60.3	61.4	72.4	60.4	65.1	77.6	59.7	66.0
22	15.9	5.5	296.5	19.9	71.3	50.8	60.9	95.3	45.9	52.3	0.00	0.14	63.8	60.6	62.2	62.3	60.4	61.4	69.7	57.1	62.7	74.9	54.3	62.8
23	12.5	3.7	143.9	23.6	69.2	47.4	56.7	98.3	37.7	50.8	0.00	0.16	64.8	59.7	62.1	62.4	59.7	61.1	71.2	55.2	61.8	77.8	35.4	61.9
24	17.4	5.5	176.5	30.1	78.9	45.0	64.8	98.8	36.2	51.6	0.00	0.24	65.9	59.8	62.7	63.1	59.7	61.4	73.5	54.3	63.4	79.7	51.3	64.3
25	28.7	8.3	188.2	29.6	81.4	53.2	70.1	96.9	39.9	56.6	0.00	0.25	66.5	61.8	64.1	64.3	61.2	62.7	73.9	58.0	65.7	79.3	55.9	66.8
26	33.7	7.1	203.3	17.6	81.5	57.4	68.7	98.0	58.4	61.4	0.86	0.15	67.4	64.0	65.4	65.2	63.2	64.1	75.3	63.1	67.7	80.4	61.6	68.3
27	29.9	6.0	165.8	15.3	76.7	56.7	66.6	98.7	61.3	62.0	0.85	0.11	66.9	63.2	64.9	65.3	62.8	63.9	71.5	61.4	66.4	75.9	60.0	67.0
28	21.6	5.2	257.6	31.1	77.6	54.5	64.8	98.6	31.3	53.6	0.25	0.24	67.7	62.8	65.0	66.0	63.0	64.5	75.3	61.2	67.8	79.9	58.8	68.3
29	15.9	4.8	134.7	10.3	64.3	50.0	59.6	98.5	61.8	53.2	0.02	0.08	65.6	62.7	63.8	65.4	62.9	63.6	64.8	58.8	62.5	65.7	55.8	61.7
30	24.5	6.3	138.7	13.8	74.4	58.4	65.0	98.5	61.6	60.1	0.67	0.10	65.7	62.4	63.8	64.4	62.3	63.2	69.9	60.7	64.6	73.1	59.9	65.1
TOT				650.0							5.84	4.96												
AVG		6.8	197.7	21.7	70.4	45.3	58.2	92.5	36.9	45.0		0.17	60.2	55.9	57.9	58.6	55.8	57.1	65.3	51.9	58.1	70.0	48.8	58.4
MAX	40.8				81.5			99.2					67.7			66.0			75.3			80.4		
MIN						29.6			20.5					47.2			48.4			38.9			35.4	

Illinois Climate Network (ICN)
 May 2016
 Monthly Summary For Carbondale

DAY	MAX WIND SPEED MPH	AVG WIND SPEED MPH	DIR WIND °	TOTAL SOLAR RAD MJ/M*M	MAX AIR TEMP °F	MIN AIR TEMP °F	AVG AIR TEMP °F	MAX REL HUM %	MIN REL HUM %	AVG DEW POINT °F	TOTAL PRECIP IN	TOTAL EVAP IN	MAX 4" SOIL TEMP °F	MIN 4" SOIL TEMP °F	AVG 4" SOIL TEMP °F	MAX 8" SOIL TEMP °F	MIN 8" SOIL TEMP °F	AVG 8" SOIL TEMP °F	MAX 4" SOIL TEMP °F	MIN 4" SOIL TEMP °F	AVG 4" SOIL TEMP °F	MAX 2" SOIL TEMP °F	MIN 2" SOIL TEMP °F	AVG 2" SOIL TEMP °F
													SOIL TEMP °F	SOIL TEMP °F	SOIL TEMP °F	SOIL TEMP °F	SOIL TEMP °F	SOIL TEMP °F	SOIL TEMP °F	SOIL TEMP °F	SOIL TEMP °F	SOIL TEMP °F	SOIL TEMP °F	SOIL TEMP °F
1	20.4	5.3	222.5	25.0	79.7	57.0	67.7	95.5	50.6	57.5	0.10	0.21	68.6	63.3	65.6	67.0	63.1	64.8	77.1	61.7	68.5	83.4	59.9	69.4
2	16.8	4.7	311.4	15.8	61.3	51.5	56.4	95.2	60.2	49.3	0.00	0.10	66.6	63.6	64.8	66.4	63.9	64.7	66.7	59.6	63.1	69.1	57.1	62.2
3	13.6	3.7	289.3	16.3	64.6	46.5	55.0	98.5	43.6	46.7	0.00	0.11	64.0	61.4	62.7	63.9	61.9	62.8	65.6	56.1	60.8	69.0	53.4	60.3
4	26.9	8.2	276.1	23.3	67.5	44.9	57.0	96.4	35.7	44.4	0.04	0.17	63.3	59.8	61.4	62.6	60.4	61.5	65.9	54.2	59.0	70.5	51.6	58.6
5	21.2	6.6	316.2	24.3	61.8	42.7	52.3	97.5	49.9	43.0	0.00	0.15	61.4	58.2	59.9	61.6	59.1	60.2	62.9	50.8	57.3	66.4	47.5	56.7
6	15.0	3.3	277.5	31.3	74.8	42.6	59.5	98.5	29.8	46.2	0.00	0.24	64.6	57.2	60.7	63.0	58.2	60.4	71.0	50.7	60.9	78.2	47.5	62.0
7	22.5	6.2	249.9	31.3	86.3	52.7	69.1	96.9	24.3	52.3	0.00	0.27	66.6	60.2	63.3	65.0	60.7	62.7	73.9	56.1	64.9	80.3	53.8	66.2
8	20.0	3.6	217.4	27.2	83.1	54.9	70.2	98.6	31.2	56.5	0.00	0.23	69.4	62.9	66.0	67.2	63.0	64.9	77.9	60.2	68.6	84.3	58.3	70.0
9	21.1	7.7	168.8	11.1	76.0	61.5	68.7	97.1	55.2	59.5	0.29	0.10	67.9	66.0	66.9	66.8	65.5	66.1	71.0	64.9	67.5	74.3	64.1	67.7
10	20.6	5.6	199.2	14.7	79.1	57.8	66.0	98.6	67.1	63.2	0.94	0.10	68.2	64.4	66.1	66.8	64.4	65.5	74.0	62.6	67.1	79.5	61.0	67.7
11	36.7	5.8	184.7	20.4	83.2	60.6	71.2	98.8	65.5	66.7	0.60	0.16	70.8	65.5	68.0	69.0	65.4	67.0	77.5	63.8	70.7	82.7	62.1	71.8
12	21.0	5.8	248.7	10.1	71.8	56.8	63.9	98.5	61.2	59.3	0.64	0.08	68.6	66.0	67.2	68.6	66.3	67.0	71.6	63.6	67.7	73.6	59.5	67.0
13	18.4	4.9	252.4	32.8	75.5	47.8	63.3	97.4	31.4	49.0	0.00	0.26	69.3	63.0	66.0	67.8	63.8	65.8	75.4	57.8	66.4	81.7	53.9	66.6
14	32.7	10.2	314.7	32.3	66.9	40.2	51.4	97.3	36.1	36.9	0.00	0.21	67.3	62.9	64.8	67.3	63.9	65.2	67.6	56.4	61.9	71.6	51.8	60.6
15	20.8	4.6	240.5	33.5	64.8	38.1	53.1	99.1	30.6	39.4	0.00	0.23	65.2	59.5	62.3	64.5	60.9	62.8	68.3	51.1	59.7	74.1	47.1	59.5
16	14.8	5.5	96.1	7.2	55.9	47.6	52.2	97.4	55.3	44.6	0.43	0.05	63.0	60.6	61.8	63.7	61.1	62.1	60.1	55.6	57.9	60.9	53.2	56.6
17	19.0	8.0	55.3	3.5	54.0	47.6	50.9	98.1	91.7	49.8	0.71	0.02	60.6	58.3	59.1	61.1	58.8	59.6	57.3	54.4	55.7	57.7	52.6	54.7
18	15.9	5.2	112.1	22.5	68.8	48.1	57.5	98.2	47.1	50.1	0.00	0.15	62.6	57.7	59.9	61.8	58.2	59.7	67.6	54.1	60.6	71.8	52.6	61.2
19	18.7	3.9	152.4	30.8	71.4	44.5	58.9	98.8	31.8	46.5	0.00	0.23	64.9	58.6	61.7	63.4	59.4	61.3	71.5	54.1	62.5	77.0	51.0	62.9
20	11.6	2.8	150.8	15.3	69.1	51.9	60.4	97.9	60.0	54.7	0.11	0.11	65.4	61.5	63.2	63.9	61.5	62.6	69.6	58.9	63.7	76.4	57.7	64.4
21	19.3	5.4	285.1	27.5	74.9	51.7	62.7	97.4	32.3	51.2	0.00	0.21	67.1	62.6	64.7	65.3	62.4	63.7	72.4	59.2	65.5	77.7	57.3	65.9
22	14.9	2.8	243.2	33.3	80.4	47.3	64.6	98.5	26.0	50.3	0.00	0.27	69.0	61.9	65.3	67.1	62.4	64.6	75.8	56.9	66.5	82.6	53.6	67.0
23	12.6	1.8	217.1	31.0	83.6	49.4	67.6	98.6	27.5	54.7	0.00	0.26	70.9	63.4	67.0	68.7	63.9	66.2	78.9	58.8	69.1	85.3	47.1	69.7
24	23.9	4.4	206.2	18.0	82.4	56.3	68.8	98.5	48.2	61.1	0.00	0.15	70.6	66.3	68.2	68.6	66.1	67.3	75.8	64.3	69.2	81.0	62.3	69.6
25	22.0	6.5	168.0	13.4	77.3	61.5	69.2	98.5	72.0	65.3	0.14	0.10	70.0	67.2	68.6	68.7	66.8	67.7	74.0	65.2	69.4	77.8	63.9	70.0
26	29.0	8.9	179.3	6.7	75.7	65.3	68.7	98.2	65.2	64.2	1.03	0.06	68.9	67.4	67.9	68.4	67.1	67.5	69.7	66.1	67.7	71.9	65.2	67.5
27	31.7	6.4	166.0	11.3	81.3	65.7	70.3	98.4	68.2	67.2	0.88	0.08	69.7	66.8	68.1	68.5	66.5	67.4	74.9	66.0	69.7	80.1	65.6	70.6
28	19.8	7.1	184.9	21.0	82.9	65.5	73.7	98.0	57.7	66.8	0.00	0.17	72.4	67.9	69.9	70.5	67.5	68.7	78.4	67.6	72.3	84.0	67.0	73.3
29	13.3	3.1	255.5	31.4	85.3	63.0	73.8	98.6	34.4	64.5	0.00	0.27	74.9	69.0	71.8	72.8	68.8	70.6	83.1	66.8	74.8	89.9	65.2	75.9
30	9.8	1.5	189.3	30.2	87.6	59.5	73.7	98.8	34.3	63.2	0.00	0.26	75.8	69.7	72.7	73.8	69.9	71.8	84.6	66.9	75.6	91.7	64.3	76.6
31	13.4	2.6	221.7	25.8	85.0	65.3	74.5	98.6	43.0	66.0	0.00	0.22	76.6	71.7	74.0	74.5	71.5	72.9	83.0	70.4	76.4	89.0	69.1	77.0
TOT				678.3							5.89	5.21												
AVG		5.2	214.6	21.9	74.6	53.1	63.6	97.9	47.3	54.5		0.17	67.9	63.4	65.5	66.7	63.6	65.0	72.4	59.8	65.8	77.2	57.3	66.1
MAX	36.7				87.6			99.1					76.6			74.5			84.6			91.7		
MIN						38.1			24.3					57.2			58.2			50.7			47.1	

Illinois Climate Network (ICN)
 June 2016
 Monthly Summary For Carbondale

DAY	MAX WIND SPEED MPH	AVG WIND SPEED MPH	DIR WIND °	TOTAL SOLAR RAD MJ/M*°M	MAX AIR TEMP °F	MIN AIR TEMP °F	AVG AIR TEMP °F	MAX REL HUM %	MIN REL HUM %	AVG DEW POINT °F	TOTAL PRECIP IN	TOTAL EVAP IN	MAX 4" SOIL TEMP °F	MIN 4" SOIL TEMP °F	AVG 4" SOIL TEMP °F	MAX 8" SOIL TEMP °F	MIN 8" SOIL TEMP °F	AVG 8" SOIL TEMP °F	MAX 4" SOIL TEMP °F	MIN 4" SOIL TEMP °F	AVG 4" SOIL TEMP °F	MAX 2" SOIL TEMP °F	MIN 2" SOIL TEMP °F	AVG 2" SOIL TEMP °F
													SOIL TEMP °F	SOIL TEMP °F	SOIL TEMP °F	SOIL TEMP °F	SOIL TEMP °F	SOIL TEMP °F	SOIL TEMP °F	SOIL TEMP °F	SOIL TEMP °F	SOIL TEMP °F	SOIL TEMP °F	SOIL TEMP °F
1	20.3	2.8	234.7	18.8	85.2	64.5	72.0	98.5	52.6	66.9	0.15	0.16	76.4	72.3	74.0	74.4	72.1	73.3	84.6	70.3	75.5	90.3	68.5	75.7
2	13.6	2.7	230.4	28.3	83.0	65.4	73.1	98.7	46.6	66.1	0.00	0.23	77.7	71.9	74.5	75.3	71.9	73.4	84.4	69.5	76.3	91.1	68.3	77.3
3	8.0	1.7	159.7	10.6	78.4	64.4	71.4	98.7	62.1	66.9	0.02	0.09	75.0	72.8	73.9	74.6	72.6	73.3	77.6	70.3	74.0	80.2	68.5	73.9
4	20.7	3.9	244.0	12.7	77.4	64.2	69.7	98.8	74.5	67.8	0.57	0.10	74.4	72.2	73.2	73.1	71.9	72.5	79.1	70.1	73.4	82.7	67.9	73.6
5	17.7	4.9	270.7	29.6	78.9	61.1	69.8	98.6	48.7	61.9	0.00	0.23	74.9	70.7	72.7	73.6	70.8	72.2	79.7	66.8	73.2	85.1	64.7	73.5
6	21.4	4.3	260.7	34.1	87.5	59.5	73.9	98.7	32.1	60.7	0.08	0.29	76.1	69.9	72.9	74.8	70.5	72.6	83.4	65.3	74.6	89.7	62.7	75.2
7	21.0	5.0	286.1	34.4	79.1	56.6	68.5	98.0	33.1	55.5	0.00	0.27	75.7	71.3	73.4	74.6	71.7	73.2	80.5	67.9	73.9	85.9	65.2	73.4
8	10.7	1.6	240.9	34.1	81.8	54.0	67.7	98.9	27.0	53.5	0.00	0.27	75.8	69.3	72.5	74.7	70.4	72.5	82.0	63.8	73.1	88.4	60.4	73.0
9	13.7	3.9	204.6	33.2	85.6	55.2	72.4	98.7	37.7	58.8	0.00	0.28	76.2	69.9	72.9	75.0	70.7	72.8	82.8	65.2	74.2	88.3	62.3	74.4
10	13.0	3.3	211.1	33.3	90.5	61.8	77.6	98.2	38.3	63.7	0.00	0.21	78.5	71.6	74.9	76.9	72.1	74.3	86.9	68.1	77.5	93.2	65.9	78.1
11	15.3	3.0	212.2	33.8	90.9	63.1	78.1	98.6	38.6	66.6	0.00	0.29	79.6	73.0	76.2	77.8	73.5	75.6	87.6	69.9	79.0	93.6	67.5	79.6
12	9.9	2.1	233.7	32.3	93.9	67.9	81.2	98.6	34.1	69.9	0.00	0.28	81.3	74.6	77.9	79.4	74.8	77.0	90.7	72.8	81.9	96.5	70.7	82.6
13	12.2	2.4	238.6	29.4	93.4	69.0	81.7	98.6	42.9	72.6	0.00	0.26	82.3	76.4	79.4	80.4	76.4	78.4	92.6	75.3	83.8	98.3	73.3	84.1
14	19.3	4.5	216.8	31.1	90.2	70.7	81.9	98.4	47.7	71.7	0.00	0.28	82.7	77.5	80.0	80.7	77.4	79.1	93.3	76.6	84.6	98.0	74.6	84.6
15	31.1	5.2	200.2	28.0	92.6	73.5	81.5	96.1	58.4	75.0	0.50	0.24	83.3	78.2	80.6	81.5	77.9	79.6	90.7	77.8	83.7	96.6	76.1	84.0
16	14.7	4.4	251.6	33.8	96.7	74.3	85.4	96.0	38.3	74.1	0.00	0.31	84.2	78.8	81.4	82.5	78.5	80.4	93.6	77.2	85.2	99.1	75.8	85.9
17	16.6	5.3	59.2	33.2	87.4	67.5	78.1	96.9	44.1	65.0	0.00	0.28	82.4	78.4	80.4	81.6	78.7	80.3	92.3	76.3	83.9	97.2	73.7	83.4
18	16.5	3.7	170.6	33.4	89.2	64.0	77.4	98.7	30.2	63.8	0.00	0.29	82.0	76.4	79.2	80.5	77.1	78.9	91.8	75.0	83.4	96.3	72.3	82.9
19	18.0	5.4	195.4	31.7	89.3	68.4	79.6	98.5	47.3	68.5	0.01	0.28	82.7	77.0	79.7	81.1	77.1	79.0	93.1	76.7	84.5	97.3	74.4	84.2
20	16.0	5.6	223.4	31.9	91.5	73.7	82.5	84.4	48.9	70.5	0.00	0.29	83.6	77.7	80.5	81.7	77.7	79.7	94.7	77.6	85.9	99.2	75.7	85.9
21	16.6	4.0	247.1	20.9	86.8	72.2	80.6	96.3	55.7	71.6	0.00	0.19	81.9	79.0	80.4	80.8	78.8	79.8	90.2	80.4	84.9	90.9	78.7	84.4
22	21.6	7.7	215.1	28.3	92.8	72.1	85.0	96.4	46.5	72.3	0.00	0.27	83.6	77.9	80.6	81.6	77.8	79.6	93.0	78.3	85.4	97.2	76.7	85.4
23	19.6	7.7	259.7	24.5	92.9	79.0	85.8	78.6	46.2	73.2	0.00	0.24	83.6	79.3	81.2	82.0	78.8	80.4	93.7	80.7	86.4	97.1	60.4	86.5
24	13.8	3.3	257.5	30.5	90.4	69.4	79.9	97.0	39.5	67.4	0.00	0.27	83.4	78.2	80.7	82.1	78.4	80.3	93.7	78.6	85.9	98.2	76.6	85.7
25	30.6	3.4	191.5	23.0	92.9	71.8	79.4	97.9	50.7	72.3	0.09	0.20	83.9	78.5	81.0	82.4	78.7	80.5	93.6	79.6	85.0	97.9	77.9	84.6
26	26.0	4.5	228.7	29.6	92.4	73.6	81.8	96.2	48.4	72.8	0.00	0.27	85.4	78.6	81.7	83.6	78.7	81.0	94.9	77.4	85.7	99.9	75.9	86.0
27	14.8	3.2	171.7	19.1	87.6	69.4	77.7	98.4	41.7	70.4	0.44	0.17	82.3	78.6	80.5	82.0	79.2	80.5	86.5	78.3	82.6	87.5	76.0	82.0
28	18.0	3.9	275.0	31.7	88.6	64.9	77.5	98.6	35.4	64.6	0.00	0.28	81.9	76.7	79.3	81.5	77.2	79.4	89.7	74.4	81.9	93.0	72.2	81.2
29	11.6	3.1	138.4	32.4	82.2	58.2	70.6	98.3	29.1	56.6	0.00	0.26	80.5	75.2	77.6	80.4	76.2	78.4	88.6	73.2	80.6	93.3	70.3	79.6
30	13.1	3.0	207.3	24.7	84.0	55.8	71.7	98.6	41.8	61.4	0.00	0.21	78.7	73.0	76.1	78.4	74.6	76.8	85.2	71.4	78.9	88.4	68.0	78.2
TOT				852.6							1.86	7.28												
AVG		4.0	217.9	28.4	87.8	66.2	77.1	96.8	43.9	66.7		0.24	80.3	75.2	77.6	79.0	75.4	77.2	88.3	73.5	80.6	93.0	70.7	80.6
MAX	31.1			96.7				98.9					85.4			83.6			94.9			99.9		
MIN						54.0			27.0					69.3			70.4				63.8		60.4	

Illinois Climate Network (ICN)
 July 2016
 Monthly Summary For Carbondale

DAY	MAX WIND SPEED MPH	AVG WIND SPEED MPH	DIR WIND AVG °	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	MAX 4" SOIL TEMP °F	MIN 4" SOIL TEMP °F	AVG 4" SOIL TEMP °F	MAX 2" SOIL TEMP °F	MIN 2" SOIL TEMP °F	AVG 2" SOIL TEMP °F
													SOIL TEMP °F	SOIL TEMP °F	SOIL TEMP °F	SOIL TEMP °F	SOIL TEMP °F	SOIL TEMP °F	SOIL TEMP °F	SOIL TEMP °F	SOIL TEMP °F	SOIL TEMP °F	SOIL TEMP °F	SOIL TEMP °F
1	15.9	4.4	288.1	24.1	85.3	60.4	74.2	97.6	30.6	62.6	0.00	0.21	79.6	75.1	76.9	78.6	75.6	76.9	86.7	75.0	80.0	90.0	73.1	79.6
2	13.9	3.8	160.2	9.7	74.0	57.2	66.1	98.7	56.9	61.3	0.31	0.08	75.7	72.7	73.9	77.0	73.5	74.6	77.1	71.2	73.8	77.1	68.5	72.4
3	26.2	4.1	145.5	13.1	83.8	64.1	72.5	98.4	70.9	69.1	1.50	0.11	76.3	72.3	74.3	75.6	72.4	74.0	79.1	69.7	74.4	81.3	68.6	74.7
4	22.0	4.3	205.9	10.9	81.3	70.2	74.8	98.6	78.3	72.9	1.53	0.09	76.7	74.1	75.4	76.1	74.2	75.1	79.3	73.5	76.2	81.4	72.7	76.5
5	12.3	3.4	232.4	29.2	90.4	68.1	80.5	98.7	56.6	73.3	0.00	0.26	80.8	75.1	77.8	79.7	75.0	77.0	86.8	73.5	80.3	92.2	72.4	81.4
6	42.4	5.3	166.4	11.1	85.5	68.3	74.8	98.5	66.1	72.7	2.29	0.09	79.5	76.2	78.2	79.3	76.7	78.0	81.6	75.0	78.4	84.0	74.1	78.0
7	30.8	4.6	186.4	13.6	84.1	68.0	75.6	98.7	73.7	73.0	0.37	0.11	77.3	75.3	76.5	76.8	75.4	76.2	79.4	73.2	76.6	81.4	72.2	76.7
8	29.0	6.4	247.7	26.3	89.5	70.3	79.5	96.2	56.5	71.8	0.25	0.23	79.9	76.4	77.9	79.0	76.1	77.3	85.1	75.4	79.8	89.3	74.7	80.5
9	8.0	2.0	274.1	24.1	87.0	69.6	77.2	98.4	42.6	69.4	0.00	0.21	80.4	76.4	78.4	79.3	76.6	77.9	84.8	74.7	79.5	88.1	73.6	79.8
10	15.0	3.8	160.9	29.2	88.1	67.7	78.3	98.7	52.7	71.0	0.00	0.18	81.6	76.8	79.1	80.5	76.9	78.6	86.8	74.9	80.8	91.5	73.4	81.4
11	15.9	5.5	171.3	31.2	88.4	69.1	79.7	98.5	53.5	72.3	0.00	0.27	82.1	78.0	80.1	81.3	78.1	79.7	86.7	76.1	81.3	91.3	74.9	82.1
12	21.8	6.0	197.5	14.9	87.9	72.9	77.4	98.0	58.9	73.2	0.18	0.13	80.5	78.9	79.6	80.7	79.0	79.6	82.8	77.2	79.5	85.8	76.6	79.4
13	48.7	7.9	212.4	28.6	91.2	70.8	79.6	94.7	48.1	72.4	0.08	0.25	82.1	78.0	79.7	80.8	78.0	79.2	86.7	76.2	80.3	90.8	75.8	80.9
14	13.8	3.9	239.3	27.3	89.1	70.5	79.8	98.2	55.8	73.3	0.00	0.24	82.1	78.3	80.1	81.0	78.3	79.6	86.2	76.1	81.0	89.8	75.4	81.7
15	12.0	2.3	269.2	25.1	88.6	68.0	77.7	98.5	49.6	71.0	0.00	0.22	82.4	78.4	80.3	80.7	78.5	79.8	86.4	76.5	81.3	90.2	75.2	81.4
16	11.7	3.2	124.7	31.1	87.4	67.9	77.3	98.6	46.0	68.6	0.00	0.26	82.9	77.7	80.1	80.5	78.1	79.4	86.6	76.7	81.5	91.7	75.5	82.1
17	15.7	4.9	189.7	30.6	91.0	67.7	81.0	98.3	56.2	73.0	0.00	0.27	83.1	77.9	80.4	81.1	78.1	79.6	87.0	77.2	82.2	91.5	75.7	82.7
18	23.5	4.4	214.2	29.5	94.3	75.8	83.0	97.6	48.8	75.0	0.00	0.26	84.3	79.4	81.6	81.9	79.3	80.6	89.2	79.4	83.9	94.4	78.5	84.8
19	27.7	2.2	200.3	24.9	93.4	72.6	82.2	98.3	52.5	75.5	0.01	0.22	84.3	79.8	82.1	82.5	79.9	81.2	88.6	80.2	84.5	93.3	79.1	84.9
20	19.3	2.5	210.2	13.6	87.7	72.2	78.3	97.6	67.9	73.5	0.00	0.12	82.7	80.0	81.2	82.0	80.1	80.7	84.9	79.9	82.1	86.9	79.0	82.1
21	11.9	3.8	205.7	31.0	93.3	71.2	83.2	98.3	55.8	75.5	0.00	0.27	84.3	79.1	81.6	82.4	79.3	80.8	88.4	78.5	83.5	91.8	77.5	84.0
22	18.3	3.1	261.2	12.4	87.1	73.2	80.3	98.2	72.9	76.5	0.25	0.11	82.9	80.8	81.8	82.0	80.5	81.1	85.2	81.4	83.2	86.1	80.3	82.8
23	8.5	1.8	201.8	27.7	92.7	70.4	80.9	98.4	53.6	74.9	0.00	0.24	85.1	79.4	82.0	82.6	79.4	80.9	88.5	78.8	83.6	91.8	68.5	84.0
24	14.0	3.5	199.5	29.4	91.6	72.8	82.6	98.4	56.3	76.0	0.00	0.26	85.0	80.8	82.9	83.1	80.4	81.8	88.9	80.8	84.9	90.6	79.9	84.8
25	20.7	3.5	217.6	22.5	91.2	74.5	80.8	98.2	58.5	75.8	0.00	0.20	84.8	81.1	82.8	82.7	80.9	81.8	88.1	81.4	84.4	89.8	80.7	84.1
26	17.4	2.3	233.5	13.3	87.6	73.1	77.5	98.4	67.9	75.3	0.31	0.12	83.2	80.9	81.8	81.8	80.5	81.1	85.6	80.8	82.6	86.7	79.8	82.2
27	24.5	2.6	222.1	24.6	92.0	71.3	78.7	98.6	54.8	73.7	0.00	0.22	84.1	79.5	81.5	82.1	79.5	80.7	87.8	78.7	82.3	90.4	78.2	82.3
28	20.5	3.5	209.3	23.2	89.0	70.8	77.0	98.4	53.2	72.2	0.26	0.20	83.9	80.0	81.5	82.4	79.8	81.0	91.5	78.0	83.3	95.5	76.9	83.6
29	18.6	2.7	217.7	21.4	86.1	70.5	75.9	98.6	66.0	73.2	0.60	0.18	83.3	79.1	80.9	81.6	79.3	80.6	89.6	76.8	82.0	94.6	75.2	82.1
30	23.1	2.6	280.1	28.6	86.8	68.0	76.6	98.7	51.5	70.2	0.92	0.24	82.9	77.9	80.2	82.1	78.5	80.2	90.0	76.0	82.5	94.1	74.2	82.9
31	16.4	1.6	238.0	24.4	90.0	68.8	77.8	98.7	53.0	71.4	0.00	0.21	83.6	79.1	81.2	82.6	79.4	81.0	90.9	76.3	82.9	95.3	74.5	83.3
TOT				706.7							8.87	6.05												
AVG		3.8	212.4	22.8	88.2	69.5	78.1	98.2	56.9	72.2		0.20	81.9	77.9	79.7	80.6	78.0	79.2	86.0	76.7	81.1	89.3	75.3	81.3
MAX	48.7			94.3				98.7					85.1			83.1			91.5			95.5		
MIN						57.2			30.6					72.3				72.4		69.7			68.5	

Illinois Climate Network (ICN)
August 2016
Monthly Summary For Carbondale

DAY	MAX WIND SPEED MPH	AVG WIND SPEED MPH	DIR WIND AVG °	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	MAX 4" SOIL TEMP °F	MIN 4" SOIL TEMP °F	AVG 4" SOIL TEMP °F	MAX 2" SOIL TEMP °F	MIN 2" SOIL TEMP °F	AVG 2" SOIL TEMP °F
													SOIL TEMP °F	SOIL TEMP °F	SOIL TEMP °F	SOIL TEMP °F	SOIL TEMP °F	SOIL TEMP °F	SOIL TEMP °F	SOIL TEMP °F	SOIL TEMP °F	SOIL TEMP °F	SOIL TEMP °F	SOIL TEMP °F
1	16.4	2.6	237.3	19.1	84.1	70.8	76.6	98.5	65.6	72.9	0.59	0.16	82.4	79.1	80.9	81.7	79.5	80.7	87.5	77.2	81.9	91.0	76.0	81.9
2	11.7	1.9	197.1	22.4	88.3	71.8	79.4	98.5	61.2	74.4	0.00	0.19	83.5	79.6	81.4	82.3	79.7	80.9	88.8	77.3	82.9	94.2	75.9	83.3
3	12.4	2.5	162.0	18.7	88.3	71.7	77.8	98.6	58.4	73.6	0.05	0.16	83.6	80.4	81.8	82.2	80.2	81.2	89.6	78.7	82.7	94.2	77.5	82.6
4	9.7	1.6	243.4	29.9	92.1	70.2	80.3	98.7	50.1	73.5	0.00	0.26	84.8	79.8	82.2	83.3	79.8	81.5	92.6	76.9	84.3	97.2	75.3	84.9
5	16.1	2.6	228.7	18.4	90.8	73.3	80.0	98.5	54.8	75.6	0.00	0.16	84.6	81.0	82.5	83.0	80.9	82.0	91.3	79.3	84.0	95.9	78.1	84.1
6	13.6	3.0	287.9	18.4	85.0	67.2	77.4	98.7	56.9	71.5	0.00	0.16	82.9	80.5	81.8	82.1	80.6	81.4	87.9	78.5	82.6	90.4	75.5	82.3
7	14.1	2.2	140.1	26.4	86.4	64.2	75.1	99.0	45.6	66.8	0.00	0.22	82.0	78.2	80.1	81.0	78.8	80.0	88.0	73.9	80.7	92.0	71.6	80.4
8	12.5	2.5	143.9	29.2	87.1	65.4	75.9	98.9	43.3	66.4	0.00	0.25	81.9	77.8	79.7	80.9	78.4	79.6	90.1	74.2	81.5	94.0	72.1	81.4
9	8.1	1.4	265.4	26.5	90.1	65.0	77.3	99.0	46.6	68.8	0.00	0.22	81.6	77.4	79.5	80.7	78.0	79.4	91.0	74.3	82.3	95.5	72.0	82.2
10	11.8	1.9	172.8	29.5	93.3	68.4	80.8	98.9	45.6	72.3	0.00	0.19	83.2	78.2	80.6	81.8	78.5	80.1	95.3	76.2	85.0	100.0	74.0	85.3
11	14.7	4.0	173.8	27.4	91.9	72.6	82.6	98.5	54.4	75.3	0.00	0.24	83.4	79.8	81.6	82.2	79.8	81.0	95.4	79.4	86.8	98.9	77.4	86.6
12	17.8	5.2	177.4	24.6	89.7	75.2	81.5	98.1	60.4	75.8	0.13	0.21	83.5	80.2	81.7	82.2	80.2	81.2	94.7	80.6	86.3	98.4	79.1	86.2
13	12.0	2.8	197.2	1.7	77.0	71.0	74.3	98.8	97.2	73.8	1.90	0.01	81.6	78.8	79.9	81.5	78.9	80.1	84.4	76.9	79.7	82.1	75.7	78.4
14	13.7	4.7	141.6	6.4	77.1	69.3	72.0	99.0	79.0	70.7	1.72	0.05	78.8	77.1	77.9	79.0	77.4	78.1	78.9	75.3	76.7	80.2	74.1	76.1
15	24.8	7.2	190.7	6.5	80.6	71.8	74.7	98.8	84.0	72.8	0.82	0.06	78.1	76.8	77.4	77.5	76.8	77.2	79.3	75.0	76.6	80.8	74.4	76.5
16	9.7	3.2	215.6	9.3	77.6	69.7	72.9	98.9	78.2	71.3	0.53	0.07	78.8	77.2	77.9	77.7	76.7	77.2	80.2	74.9	77.1	81.2	74.1	77.0
17	7.3	2.2	206.1	18.4	83.8	67.6	74.9	99.0	61.2	70.9	0.00	0.15	79.7	77.0	78.3	78.8	76.6	77.6	85.2	73.4	78.8	89.0	71.9	79.3
18	13.6	4.0	218.0	16.1	83.6	72.3	76.7	98.7	67.1	72.7	0.00	0.14	79.8	77.8	78.8	79.2	77.6	78.3	84.1	76.0	79.6	87.2	75.0	79.8
19	15.8	4.7	193.0	16.6	84.1	71.8	76.7	98.5	66.5	72.7	0.00	0.14	79.9	77.8	78.8	79.3	77.8	78.5	83.9	75.5	79.0	86.6	74.6	79.3
20	19.0	6.3	245.5	18.8	85.4	72.3	77.0	98.5	58.3	71.9	0.12	0.16	80.1	77.9	78.9	79.4	78.0	78.7	85.9	76.1	80.0	89.6	75.2	80.3
21	15.9	4.1	301.3	29.8	80.5	60.1	71.3	99.0	41.0	61.5	0.00	0.23	79.0	76.4	77.7	78.9	77.3	78.1	85.7	72.9	78.3	88.8	70.1	78.0
22	9.9	1.5	193.2	26.3	82.3	56.7	69.1	99.3	40.4	60.6	0.00	0.21	77.9	73.9	75.8	77.6	75.2	76.5	84.1	68.3	75.7	88.1	65.6	75.3
23	12.7	3.6	177.2	8.7	80.8	58.8	71.3	99.2	67.8	67.0	0.00	0.08	76.2	73.9	75.1	76.8	74.8	75.6	77.8	69.6	73.8	79.2	65.6	73.4
24	24.6	7.4	202.7	25.0	91.5	73.4	82.0	97.0	54.3	74.2	0.00	0.22	79.7	75.5	77.4	78.6	75.6	76.8	87.7	73.9	79.8	91.4	73.1	80.9
25	13.5	4.4	219.8	27.6	91.8	72.3	81.2	98.3	46.1	73.3	0.00	0.24	81.1	77.2	79.0	79.9	77.2	78.5	90.5	75.7	82.3	94.2	74.5	82.8
26	21.6	2.7	183.0	16.6	92.1	70.5	77.0	98.8	50.9	72.8	0.45	0.14	80.0	77.7	78.9	79.4	77.9	78.7	86.2	76.1	80.6	91.0	74.8	80.7
27	10.3	2.0	204.9	23.5	89.2	67.7	77.2	98.9	56.2	71.4	0.00	0.20	81.1	77.3	79.1	80.1	77.5	78.8	88.8	74.2	80.7	92.7	72.8	81.3
28	11.4	2.1	165.6	25.3	92.4	69.4	80.3	98.9	49.9	73.5	0.00	0.22	82.0	77.9	79.9	80.8	78.1	79.4	90.6	75.5	82.4	94.4	74.2	83.1
29	12.6	3.0	158.3	26.7	90.5	70.3	79.6	98.9	48.9	72.2	0.00	0.23	82.2	78.7	80.3	81.1	78.8	79.9	91.1	76.5	82.8	94.3	75.2	83.2
30	12.8	2.0	256.1	26.3	92.2	68.6	79.0	99.0	44.2	70.8	0.00	0.23	82.0	78.4	80.1	80.9	78.6	79.7	91.7	75.9	82.7	94.2	74.5	82.7
31	21.4	3.5	301.0	20.9	87.6	69.1	75.3	98.9	52.8	70.7	0.00	0.18	81.0	78.4	79.5	80.1	78.5	79.3	88.7	76.4	81.2	90.1	75.1	80.7
TOT				640.9							6.31	5.41												
AVG		3.3	206.5	20.7	86.7	69.0	77.0	98.7	57.6	71.3		0.17	81.2	78.0	79.5	80.3	78.2	79.2	87.6	75.6	80.9	90.9	74.0	81.0
MAX	24.8				93.3			99.3					84.8			83.3			95.4			100.0		
MIN						56.7			40.4					73.9			74.8			68.3			65.6	

Illinois Climate Network (ICN)
September 2016
Monthly Summary For Carbondale

DAY	MAX WIND SPEED MPH	AVG WIND SPEED MPH	DIR 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	MAX 4" SOIL TEMP oF	MIN 4" SOIL TEMP oF	AVG 4" SOIL TEMP oF	MAX 2" SOIL TEMP oF	MIN 2" SOIL TEMP oF	AVG 2" SOIL TEMP oF
													SOIL TEMP UNDER oF	SOIL TEMP UNDER oF	SOIL TEMP UNDER oF	SOIL TEMP UNDER oF	SOIL TEMP UNDER oF	SOIL TEMP UNDER oF	SOIL TEMP UNDER oF	SOIL TEMP UNDER oF	SOIL TEMP UNDER oF	SOIL TEMP UNDER oF	SOIL TEMP UNDER oF	SOIL TEMP UNDER oF
1	18.6	6.2	72.4	19.7	81.3	62.4	71.2	98.1	46.2	62.4	0.00	0.16	79.1	76.0	77.8	79.3	76.9	78.1	82.3	71.8	77.1	83.2	69.2	76.0
2	19.1	4.6	148.8	24.1	79.6	55.1	66.8	99.2	44.8	58.3	0.00	0.19	76.0	73.5	74.7	77.0	74.7	75.5	80.8	67.2	73.5	83.1	64.9	73.0
3	14.6	2.9	180.5	26.7	82.5	54.7	67.4	99.5	40.0	58.9	0.00	0.21	75.3	71.4	73.3	75.0	72.9	74.0	83.2	65.9	73.8	86.5	63.6	73.6
4	11.5	2.6	141.6	26.1	89.7	55.8	72.9	99.4	41.8	64.3	0.00	0.22	76.4	71.3	73.7	75.7	72.5	74.0	85.9	67.1	75.9	89.5	65.0	76.4
5	27.7	4.9	183.7	19.9	89.7	70.2	77.9	98.0	56.1	71.7	0.19	0.17	77.8	74.4	76.0	77.0	74.5	75.7	86.4	73.1	78.8	89.7	71.9	79.1
6	17.6	5.9	196.7	25.3	90.6	70.2	80.5	96.3	51.4	70.7	0.00	0.23	79.2	75.5	77.2	78.2	75.5	76.8	88.4	73.5	80.2	91.4	72.1	80.7
7	18.4	6.3	203.4	25.6	90.6	71.5	81.5	93.3	54.7	71.6	0.00	0.23	79.8	76.4	78.0	78.9	76.4	77.6	90.1	74.8	81.6	92.9	73.5	81.9
8	21.2	5.4	218.7	11.6	89.5	71.9	78.1	98.7	58.5	72.9	1.92	0.11	79.0	77.4	78.0	78.5	77.4	77.9	85.7	76.8	79.9	88.2	75.1	79.2
9	20.8	5.5	165.5	20.3	90.0	72.3	79.3	98.7	57.0	73.0	0.00	0.18	80.1	76.9	78.4	79.4	76.8	77.9	86.8	75.7	80.3	90.2	74.8	80.8
10	24.0	6.5	266.8	19.6	79.2	57.7	72.2	98.8	46.4	65.0	0.00	0.13	79.0	75.5	77.8	78.9	76.5	77.9	82.7	71.1	77.9	84.9	67.2	77.2
11	12.7	1.4	191.1	26.6	80.2	53.3	65.5	99.2	38.7	56.8	0.00	0.20	76.2	72.5	74.3	76.5	73.7	75.0	82.7	65.5	73.4	86.0	62.1	72.7
12	11.5	1.9	179.8	26.6	82.9	52.4	66.7	99.5	35.9	57.5	0.00	0.21	75.7	71.2	73.4	75.2	72.3	73.8	82.3	64.7	73.0	85.7	61.4	73.0
13	8.2	1.2	201.5	22.4	90.6	56.6	72.5	99.3	45.4	64.8	0.00	0.19	76.9	71.3	74.0	76.0	72.2	73.9	83.8	67.3	75.1	85.3	67.4	75.6
14	13.3	2.2	165.4	15.7	84.1	67.9	74.9	98.9	60.0	70.3	0.33	0.13	77.3	74.4	75.9	76.8	74.4	75.6	82.8	73.3	77.6	85.2	73.1	78.0
15	15.1	2.7	181.6	7.6	80.0	68.5	73.1	98.9	74.7	70.8	0.00	0.07	76.5	75.1	75.9	76.2	75.0	75.6	78.4	73.5	75.8	79.6	73.1	75.8
16	22.0	3.8	192.5	14.9	87.4	66.4	73.4	99.0	63.2	70.4	0.82	0.13	77.7	74.4	75.8	77.2	74.3	75.6	82.7	71.8	76.2	85.4	71.3	76.5
17	12.3	3.1	250.7	17.4	83.4	65.0	72.8	99.0	56.8	68.0	0.51	0.14	77.9	74.4	75.9	77.5	74.5	75.8	83.4	73.0	77.2	86.6	72.1	77.4
18	7.4	1.0	238.8	15.1	82.0	61.6	70.3	99.2	50.6	65.4	0.00	0.12	77.2	73.9	75.5	76.6	74.2	75.4	80.7	70.7	75.4	82.6	69.4	75.2
19	9.2	1.2	235.3	23.3	85.8	58.0	70.8	99.3	46.1	64.2	0.00	0.19	77.2	72.3	74.6	76.3	72.9	74.5	83.0	67.8	75.0	86.0	66.1	75.0
20	9.8 M	1.2 M	188.8 M	22.0 M	89.2 M	59.9 M	72.3 M	99.3 M	43.8 M	65.5 M	0.00 M	0.18 M	78.0 M	72.5 M	75.0 M	76.6 M	72.9 M	74.7 M	84.7 M	68.6 M	75.6 M	88.6 M	66.9 M	75.6 M
21	11.9	1.9	187.5	23.3	88.8	59.6	72.9	99.4	37.7	64.3	0.00	0.20	77.4	72.9	75.1	76.3	73.2	74.7	84.1	68.8	76.1	87.8	66.3	76.0
22	11.2	1.4	226.7	23.5	88.9	59.8	72.8	99.4	43.6	65.3	0.00	0.19	77.7	72.6	75.0	76.4	72.9	74.6	85.4	68.7	76.5	89.5	66.3	76.5
23	9.5	1.0	221.7	23.0	90.6	61.2	74.4	99.3	43.0	66.5	0.00	0.19	78.1	73.0	75.5	76.6	73.2	74.9	86.0	69.5	77.3	89.7	61.4	77.4
24	9.3	1.2	186.2	20.9	91.9	63.5	75.9	99.3	36.7	68.0	0.00	0.17	78.7	73.8	76.1	77.2	73.8	75.4	86.3	71.1	78.1	89.6	69.0	78.1
25	17.2	2.5	230.3	20.9	89.8	65.0	76.8	99.2	44.8	68.8	0.25	0.18	78.8	74.6	76.6	77.6	74.5	76.0	86.1	72.1	78.7	89.5	70.1	78.8
26	32.8	5.3	309.3	18.7	73.6	51.0	63.1	99.0	36.5	54.9	1.25	0.14	77.0	71.5	74.2	76.9	72.7	74.5	78.5	65.7	73.2	81.1	61.0	71.4
27	20.2	4.6	253.9	23.6	78.0	48.2	63.6	99.2	31.8	51.1	0.00	0.18	71.7	68.3	70.2	72.7	69.3	70.7	75.8	60.4	67.8	79.1	56.6	66.8
28	24.6	7.5	292.4	17.5	70.0	52.4	62.2	81.9	39.4	49.4	0.00	0.14	70.3	67.7	69.2	70.8	68.9	69.8	72.1	61.4	66.2	74.5	57.8	64.8
29	18.9	6.3	309.4	6.1	66.9	52.4	57.9	98.7	67.6	53.6	0.00	0.05	67.7	66.0	66.7	69.0	66.9	67.6	65.5	58.4	61.8	67.4	55.7	60.5
30	20.3	5.3	305.1	7.1	67.6	59.1	61.6	98.5	79.1	60.0	0.47	0.05	68.2	66.4	67.1	68.4	66.9	67.5	69.7	61.9	64.8	72.8	60.6	64.6
TOT				594.9 M							5.73 M	4.88 M												
AVG		3.7	210.9 M	19.8 M	83.8 M	60.8 M	71.4 M	98.2 M	49.1 M	64.1 M		0.16 M	76.6 M	72.9 M	74.7 M	76.1 M	73.4 M	74.7 M	82.2 M	69.0 M	75.1 M	85.1 M	66.8 M	74.9 M
MAX	32.8				91.9 M			99.5 M					80.1 M			79.4 M			90.1 M			92.9 M		
MIN						48.2 M			31.8 M					66.0 M				66.9 M		58.4 M			55.7 M	

Illinois Climate Network (ICN)
 October 2016
 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	MAX 4" SOIL TEMP °F	MIN 4" SOIL TEMP °F	AVG 4" SOIL TEMP °F	MAX 2" SOIL TEMP °F	MIN 2" SOIL TEMP °F	AVG 2" SOIL TEMP °F
													SOIL TEMP °F	SOIL TEMP °F	SOIL TEMP °F	SOIL TEMP °F	SOIL TEMP °F	SOIL TEMP °F	SOIL TEMP °F	SOIL TEMP °F	SOIL TEMP °F	SOIL TEMP °F	SOIL TEMP °F	SOIL TEMP °F
1	14.7	4.9	272.1	8.5	69.2	58.2	63.5	98.8	72.0	60.9	0.01	0.06	68.5	67.0	67.7	68.9	67.4	68.1	70.4	64.0	66.6	72.3	62.8	66.5
2	11.1	1.7	242.2	8.7	70.3	56.3	62.5	99.2	65.6	59.3	0.00	0.07	68.9	66.8	67.8	69.2	67.3	68.2	71.3	63.2	66.5	74.4	61.2	66.2
3	9.8	1.4	160.1	18.7	77.9	53.0	63.6	99.4	47.5	58.0	0.00	0.14	70.4	66.2	68.2	69.9	66.9	68.3	76.3	61.3	68.2	80.7	59.1	68.2
4	14.4	3.6	144.7	18.1	83.2	51.8	67.2	99.4	40.4	59.1	0.00	0.15	70.4	66.1	68.3	69.9	66.8	68.4	75.8	61.2	68.3	79.4	58.4	68.1
5	19.5	5.4	174.1	15.3	82.1	64.3	71.8	98.9	56.9	64.9	0.00	0.13	71.7	68.3	69.8	71.5	68.5	69.7	77.9	65.9	70.8	81.5	64.7	71.1
6	15.5	4.9	171.1	20.4	86.8	60.0	73.1	99.0	37.9	62.0	0.00	0.17	72.9	69.3	70.9	72.2	69.5	70.7	80.2	66.9	72.5	83.9	65.2	72.5
7	26.5	6.5	295.8	17.7	77.9	50.8	64.8	99.1	53.4	56.3	0.00	0.15	71.1	68.2	69.8	71.2	69.1	69.9	76.0	62.6	69.1	78.8	58.2	67.9
8	20.1	4.4	181.7	21.7	70.3	41.3	54.2	98.7	30.6	42.7	0.00	0.15	68.2	64.3	65.9	69.2	65.7	66.9	69.7	55.8	62.2	72.1	51.7	60.3
9	9.9	1.1	219.6	20.9	75.7	41.7	57.0	99.5	29.2	47.1	0.00	0.15	66.8	61.9	64.3	66.4	63.5	65.0	72.3	54.0	62.4	76.1	50.3	61.6
10	14.5	2.5	183.4	17.5	76.0	44.3	59.6	99.5	34.3	50.4	0.00	0.10	66.1	62.1	64.2	66.1	63.3	64.8	70.1	55.6	63.0	72.6	52.3	62.2
11	15.5	3.7	199.2	20.0	80.5	48.8	63.9	99.6	32.3	53.0	0.00	0.16	67.2	62.9	65.0	66.8	63.8	65.3	73.5	57.5	64.9	77.1	54.7	64.6
12	21.2	7.0	230.5	11.6	75.9	53.9	66.9	92.5	50.8	56.1	0.06	0.11	67.0	64.5	65.8	67.1	64.9	66.0	70.5	60.7	65.6	72.4	58.6	65.2
13	16.5	4.1	188.3	9.6	61.6	42.5	51.9	99.0	57.5	46.5	0.00	0.07	66.3	62.3	64.4	66.8	64.0	65.3	65.4	56.2	61.4	66.7	52.5	59.6
14	11.7	2.2	196.8	3.9	60.9	42.6	53.0	99.2	84.1	52.0	0.09	0.03	63.0	60.9	61.9	64.0	62.2	62.9	60.7	54.1	57.7	61.3	51.5	56.9
15	21.9	6.9	191.5	15.0	77.3	60.7	68.3	99.0	57.6	62.3	0.01	0.12	66.9	62.9	64.9	66.8	63.5	65.0	73.1	60.7	66.1	76.9	60.5	66.9
16	24.9	8.7	192.8	16.9	81.6	64.3	72.9	80.4	56.3	62.4	0.00	0.15	68.5	65.0	66.7	68.0	65.3	66.6	74.7	62.6	68.4	78.0	61.2	68.7
17	32.6	12.8	196.5	17.6	84.2	68.0	76.0	80.2	45.3	62.3	0.00	0.19	69.6	66.8	68.2	69.1	66.9	67.9	75.7	65.4	70.0	78.6	64.2	70.0
18	25.2	10.2	210.2	12.2	82.1	71.1	75.5	88.0	59.8	65.4	0.00	0.13	70.5	67.8	69.1	70.0	67.8	68.8	75.6	66.8	70.9	78.5	65.7	71.1
19	14.5	3.8	235.8	9.4	85.5	63.0	72.3	99.0	55.4	68.2	0.03	0.08	71.7	69.1	70.2	71.1	69.0	69.9	77.3	68.9	72.1	80.2	68.1	72.3
20	26.2	7.8	265.6	2.2	63.6	51.3	58.7	98.9	75.3	55.8	0.35	0.02	70.4	65.5	68.0	70.5	66.3	68.6	70.3	59.6	65.2	68.8	56.7	63.4
21	19.7	5.8	311.1	18.6	59.0	38.4	48.8	99.6	46.0	40.5	0.00	0.11	65.5	60.7	63.3	66.4	62.6	64.3	64.4	53.8	58.4	66.1	49.1	56.3
22	12.5	2.8	222.6	18.3	66.3	35.4	50.6	100.4	40.5	42.0	0.00	0.12	62.0	58.0	60.1	62.6	60.0	61.4	65.6	49.2	56.7	68.9	45.3	55.3
23	23.9	7.2	221.3	18.1	76.7	52.7	64.1	76.3	28.5	45.5	0.00	0.16	63.1	59.5	61.2	63.1	60.5	61.7	67.5	53.3	59.6	70.5	45.3	59.0
24	15.1	3.3	170.8	17.8	69.2	43.4	56.1	98.6	43.2	46.9	0.00	0.12	62.8	59.9	61.3	62.9	61.0	62.0	67.5	54.2	60.0	70.3	51.0	58.8
25	10.3	2.1	178.2	14.0	69.7	38.4	52.2	99.9	42.7	45.3	0.00	0.09	61.3	57.7	59.6	61.7	59.3	60.7	64.7	51.1	57.5	67.2	47.2	56.0
26	21.9	4.5	222.1	13.0	75.9	41.6	59.2	99.3	34.7	51.3	0.25	0.10	62.1	57.6	60.1	62.1	59.1	60.6	65.7	52.5	59.3	69.3	49.3	58.9
27	13.5	4.1	228.5	7.1	62.9	43.2	56.4	98.9	68.3	52.4	0.00	0.05	62.7	60.0	61.9	62.8	61.4	62.2	64.3	55.6	61.2	65.4	51.9	60.2
28	14.8	3.8	183.1	16.0	76.4	42.0	59.9	99.5	55.8	53.5	0.00	0.11	62.9	57.8	60.4	62.5	59.2	60.9	67.7	51.9	59.5	71.8	48.8	59.3
29	22.1	6.9	211.3	16.1	81.4	60.1	70.7	85.6	39.9	57.0	0.00	0.14	64.8	61.1	62.9	64.1	61.4	62.7	70.9	58.6	64.1	74.3	56.9	64.2
30	14.8	4.9	258.1	13.7	80.7	59.7	69.8	85.3	49.1	58.0	0.00	0.12	66.5	62.7	64.4	65.5	62.8	64.0	72.7	61.0	66.1	76.5	59.5	66.2
31	11.7	2.7	174.6	12.3	77.5	51.7	64.4	98.9	57.7	58.2	0.00	0.10	66.1	62.6	64.4	65.4	63.1	64.3	71.0	59.5	64.9	74.5	57.0	64.5
TOT				451.1							0.81	3.55												
AVG		4.9	210.8	14.6	74.8	51.4	62.9	95.8	50.0	54.7		0.11	67.0	63.4	65.2	66.9	64.3	65.5	70.9	58.8	64.5	73.7	56.1	63.9
MAX	32.6				86.8			100.4					72.9	68.5	70.2	72.2	71.1	70.7	80.2			83.9		
MIN						35.4			28.5					57.6			59.1			49.2			45.3	

Illinois Climate Network (ICN)
November 2016
Monthly Summary For Carbondale

DAY	MAX WIND SPEED MPH	AVG WIND SPEED MPH	DIR WIND AVG °	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	MAX 4" SOIL TEMP °F	MIN 4" SOIL TEMP °F	AVG 4" SOIL TEMP °F	MAX 2" SOIL TEMP °F	MIN 2" SOIL TEMP °F	AVG 2" SOIL TEMP °F	
													SOIL TEMP °F	SOIL TEMP °F	SOIL TEMP °F	SOIL TEMP °F	SOIL TEMP °F	SOIL TEMP °F	SOIL TEMP °F	SOIL TEMP °F	SOIL TEMP °F	SOIL TEMP °F	SOIL TEMP °F	SOIL TEMP °F	
1	24.3	8.5	200.1	15.2	82.4	64.7	72.7	72.9	34.1	55.7	0.00	0.16	66.6	63.7	65.1	66.0	63.9	64.9	71.9	61.8	66.1	74.5	60.2	65.9	
2	21.6	7.3	210.1	10.0	78.6	55.3	69.9	94.7	51.1	56.9	0.00	0.11	66.1	63.5	64.9	65.7	63.9	64.9	69.3	60.8	65.1	70.9	58.4	64.7	
3	14.3	3.9	279.7	6.0	70.3	51.0	63.9	98.6	71.3	59.7	0.00	0.05	66.3	64.2	65.3	66.1	64.7	65.3	69.0	61.1	65.4	71.0	57.7	64.8	
4	14.2	2.3	172.6	16.0	67.1	39.5	52.4	99.2	34.1	45.4	0.00	0.11	64.2	60.0	62.3	65.1	62.0	63.3	67.2	55.3	60.4	69.6	50.3	58.5	
5	12.0	1.1	192.3	11.3	63.1	33.8	46.8	100.5	44.8	41.1	0.00	0.07	60.1	56.9	58.6	62.0	58.9	60.1	60.5	49.6	55.0	61.6	45.5	52.8	
6	11.0	1.5	189.8	11.1	68.3	34.7	47.3	100.3	39.0	41.7	0.00	0.07	58.8	55.6	57.2	59.6	57.4	58.4	60.7	48.7	53.6	63.4	45.3	51.9	
7	11.9	1.3	223.2	12.1	72.8	37.5	53.4	99.8	32.6	44.4	0.00	0.08	59.0	54.6	56.9	59.0	56.3	57.7	61.9	48.3	54.7	64.2	45.1	53.8	
8	13.9	3.2	268.4	6.7	69.1	49.6	58.1	97.7	55.6	52.3	0.00	0.06	60.3	57.5	58.9	60.3	58.1	59.1	63.0	54.6	58.3	66.1	53.0	58.1	
9	15.7	3.8	258.8	15.3	60.1	32.9	47.8	99.3	40.6	40.6	0.00	0.09	59.5	55.4	57.6	60.0	57.2	58.5	61.4	50.3	55.3	63.6	45.5	53.4	
10	12.9	4.0	236.0	15.5	65.9	29.1	47.5	100.9	31.6	36.2	0.01	0.09	56.3	52.5	54.6	57.2	54.5	55.8	59.6	44.8	51.6	62.3	40.7	49.8	
11	19.1	6.8	126.9	14.6	65.9	40.6	53.0	94.1	35.5	39.4	0.00	0.11	56.2	52.9	54.6	56.4	54.2	55.4	60.2	46.9	52.6	63.0	43.8	51.4	
12	17.0	2.9	180.4	15.5	55.5	27.6	40.3	100.0	33.4	30.8	0.00	0.09	54.8	51.0	52.9	55.8	53.2	54.2	56.7	44.3	49.6	58.7	40.0	47.2	
13	11.5	1.7	199.4	15.6	62.4	24.2	39.8	100.7	24.6	29.0	0.01	0.09	53.0	48.5	50.6	53.2	50.6	52.0	56.0	40.4	47.1	58.8	36.1	44.9	
14	15.1	4.3	210.6	13.4	66.3	28.1	49.1	98.2	30.4	35.6	0.11	0.10	52.8	48.2	50.5	52.8	50.0	51.4	55.8	40.8	47.9	58.8	37.2	46.9	
15	14.1	2.5	254.5	14.4	65.1	38.2	50.4	99.4	38.6	42.8	0.00	0.09	54.6	51.0	52.8	54.4	51.8	53.1	59.3	46.5	52.3	62.0	43.7	51.3	
16	12.0	2.4	224.2	14.1	75.4	37.8	54.3	99.5	32.6	43.6	0.00	0.10	55.7	50.9	53.1	55.0	51.8	53.4	61.2	46.1	52.8	64.7	43.2	51.9	
17	26.5	10.2	193.4	13.7	78.6	55.7	66.8	71.6	28.3	47.1	0.00	0.16	57.5	53.4	55.4	56.8	53.7	55.1	63.1	50.8	56.3	66.4	48.9	56.3	
18	30.7	14.1	231.3	6.1	73.6	44.1	61.6	93.6	38.7	49.0	0.35	0.10	59.6	56.2	57.6	58.7	56.2	57.3	63.4	52.4	58.3	66.5	48.8	57.7	
19	26.8	10.9	281.1	14.5	48.7	35.6	41.6	68.5	30.8	24.2	0.00	0.10	56.2	50.2	52.7	57.1	51.8	53.9	52.4	43.1	48.2	52.8	38.9	45.4	
20	11.8	3.3	275.4	14.1	47.3	24.4	34.2	90.4	27.9	21.1	0.00	0.07	50.2	47.3	48.7	51.8	49.0	50.0	49.7	38.7	43.3	51.3	35.3	41.0	
21	10.6	2.9	136.3	13.7	53.4	21.3	37.0	99.2	30.4	25.2	0.00	0.08	48.9	45.0	47.1	49.3	46.9	48.2	49.6	37.2	42.7	52.0	34.1	41.1	
22	16.6	5.9	123.8	7.8	57.9	31.2	43.9	86.4	25.7	27.4	0.11	0.07	48.8	46.2	47.6	49.4	47.4	48.4	48.7	39.6	44.0	50.7	36.6	43.1	
23	24.7	8.5	215.4	1.3	54.6	43.8	49.8	98.4	76.4	47.7	0.83	0.01	51.1	48.7	49.6	51.5	49.4	50.1	51.2	46.3	48.6	51.8	34.1	48.7	
24	16.0	3.4	216.8	2.0	46.2	42.8	44.3	93.0	76.2	39.3	0.00	0.02	51.1	50.4	50.7	51.5	50.8	51.1	50.6	47.8	48.7	49.7	46.7	47.8	
25	11.9	3.0	279.8	3.8	47.6	41.8	44.8	88.7	66.8	37.7	0.00	0.03	51.2	50.1	50.6	51.5	50.5	51.0	50.3	46.9	48.3	51.1	45.6	47.7	
26	12.2	3.4	235.5	9.6	48.9	30.9	40.6	98.7	58.6	34.4	0.00	0.05	50.8	48.6	49.8	51.1	49.7	50.4	51.5	43.1	46.6	53.6	39.6	45.3	
27	26.4	7.2	169.1	4.9	49.7	27.6	41.1	100.6	52.5	35.2	0.01	0.04	48.6	46.7	47.8	49.7	47.6	48.6	46.5	39.4	43.3	47.7	36.2	42.2	
28	30.3	12.4	192.4	1.0	53.8	45.1	51.0	99.0	49.6	46.9	1.81	0.02	50.5	48.2	49.3	50.7	49.0	49.7	50.3	45.1	47.9	51.1	44.3	48.0	
29	23.9	8.6	202.9	6.8	60.3	47.6	53.8	95.1	66.5	48.2	0.00	0.05	51.9	49.9	50.9	52.1	50.2	51.1	53.4	47.7	50.5	55.0	46.8	50.6	
30	22.3	6.0	275.3	10.1	51.9	33.4	44.1	97.9	43.1	34.0	0.00	0.06	51.7	48.8	50.2	52.1	49.9	50.9	51.5	44.8	48.0	53.0	42.2	46.6	
TOT				316.2							3.24	2.33													
AVG		5.2	215.2	10.5	62.0	38.3	50.0	94.6	43.4	40.4		0.08	55.8	52.5	54.1	56.1	53.7	54.8	57.5	47.4	52.1	59.5	44.1	51.0	
MAX	30.7				82.4			100.9					66.6			66.1			71.9			74.5			
MIN						21.3			24.6					45.0			46.9			37.2			34.1		

Illinois Climate Network (ICN)
December 2016
Monthly Summary For Carbondale

DAY	MAX WIND SPEED MPH	AVG WIND SPEED MPH	DIR WIND AVG	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	MIN	AVG	MAX	MIN	AVG	MAX	MIN	AVG	MAX	MIN	AVG
													4" SOIL TEMP OF	4" SOIL TEMP OF	4" SOIL TEMP OF	8" SOIL TEMP OF	8" SOIL TEMP OF	8" SOIL TEMP OF	4" SOIL TEMP OF	4" SOIL TEMP OF	4" SOIL TEMP OF	2" SOIL TEMP OF	2" SOIL TEMP OF	2" SOIL TEMP OF
1	16.6	4.7	260.9	12.8	48.0	27.4	37.3	98.7	43.3	27.8	0.00	0.06	48.9	46.3	47.7	49.9	47.7	48.6	48.8	40.2	43.9	50.4	37.1	42.3
2	10.9	1.5	255.9	12.6	50.6	24.9	35.3	100.4	45.6	29.1	0.01	0.06	47.1	44.1	45.6	47.7	45.5	46.6	48.4	37.4	42.0	50.7	34.8	40.5
3	11.9	3.1	134.7	4.8	45.0	27.4	37.4	100.3	57.4	30.9	0.00	0.03	45.9	43.9	45.0	46.6	45.0	45.9	44.0	38.1	41.3	44.5	35.5	40.1
4	18.2	6.2	198.3	1.8	43.3	38.6	40.7	98.3	70.5	37.0	0.13	0.02	46.5	45.7	46.0	47.0	46.2	46.5	45.0	42.3	43.4	45.2	41.3	42.8
5	15.9	4.4	128.4	7.5	44.9	30.6	39.4	99.6	72.2	34.8	0.00	0.04	46.7	45.2	46.1	47.0	46.0	46.6	46.3	40.6	43.6	47.4	38.4	42.9
6	21.7	6.7	294.8	3.2	43.2	34.4	39.5	99.1	76.3	36.8	0.35	0.02	46.4	45.4	46.1	46.9	46.3	46.7	45.2	41.4	43.7	45.3	39.5	42.8
7	19.1	3.9	293.8	6.9	40.1	24.3	34.8	97.7	44.1	23.5	0.00	0.04	45.4	43.6	44.6	46.4	44.6	45.4	43.3	37.5	40.6	44.3	35.0	39.2
8	20.4	8.5	309.6	12.5	34.4	22.2	27.7	70.4	44.2	15.1	0.00	0.06	44.2	40.5	42.2	45.1	42.0	43.4	39.6	35.7	37.2	39.8	33.5	35.2
9	12.7	3.1	285.5	13.0	32.6	15.3	22.8	93.3	45.5	14.0	0.00	0.05	40.5	38.4	39.4	42.1	39.9	40.6	35.7	34.4	34.8	33.5	32.5	32.9
10	17.5	4.5	184.5	7.3	37.3	15.5	29.1	95.8	42.8	18.2	0.00	0.04	39.4	37.5	38.4	40.2	38.8	39.5	34.8	34.4	34.5	33.2	32.8	33.0
11	26.8	11.0	200.5	2.3	44.7	37.0	41.1	97.7	36.2	28.6	0.25	0.05	41.8	39.3	40.4	42.2	40.1	40.9	40.9	34.5	37.3	41.3	33.2	37.3
12	20.5	5.0	230.2	7.4	44.3	31.3	37.0	97.3	62.5	31.6	0.00	0.04	43.5	41.8	42.5	43.7	42.1	42.9	44.9	39.5	41.5	46.3	37.8	41.1
13	22.5	6.6	182.9	4.4	43.3	23.1	33.8	97.3	67.2	29.8	0.01	0.03	43.2	41.8	42.4	43.5	42.5	42.9	43.5	37.4	40.0	45.2	35.0	39.1
14	18.4	4.5	257.0	8.0	31.3	19.4	24.7	84.3	36.0	14.0	0.00	0.04	41.8	39.2	40.1	42.7	40.3	41.1	37.4	35.1	35.8	35.6	33.6	34.1
15	16.9	5.1	234.0	6.1	24.6	13.1	19.1	79.5	44.5	6.1	0.00	0.03	39.2	36.8	37.7	40.3	38.1	38.9	35.1	33.8	34.3	33.7	32.2	32.7
16	19.0	7.8	155.7	2.0	43.5	18.0	28.2	98.8	45.4	15.3	0.02	0.03	36.9	36.1	36.4	38.1	37.2	37.5	33.8	33.4	33.5	32.3	32.0	32.2
17	31.2	12.4	274.6	2.7	67.5	22.0	44.5	98.3	57.2	42.6	0.09	0.02	43.4	36.9	41.0	42.8	37.4	40.7	45.5	33.4	38.7	50.6	32.3	39.3
18	25.8	9.8	332.9	10.5	22.4	8.5	15.1	87.4	52.8	7.2	0.00	0.03	40.8	36.3	38.1	41.8	37.7	39.3	37.2	33.6	34.9	35.0	31.8	33.2
19	10.4	2.3	188.8	9.5	26.7	6.3	13.0	89.6	35.4	5.5	0.00	0.03	36.4	35.0	35.5	37.7	36.1	36.7	33.6	32.6	32.9	31.9	29.4	31.0
20	19.5	5.7	199.0	13.0	42.0	7.7	26.4	96.0	29.5	15.9	0.01	0.06	35.1	34.5	34.6	36.1	35.4	35.6	32.7	32.1	32.3	31.7	28.1	30.3
21	15.4	4.9	197.1	8.4	45.2	21.2	33.9	99.6	41.0	25.8	0.00	0.05	34.7	34.5	34.6	35.5	35.3	35.4	32.5	32.3	32.4	31.8	30.0	31.3
22	17.3	4.3	236.9	9.0	44.5	29.3	36.0	88.2	53.5	27.6	0.00	0.05	36.7	34.7	35.5	36.0	35.4	35.6	32.6	32.4	32.5	31.9	31.7	31.8
23	16.6	3.7	172.0	2.4	45.4	32.2	38.7	98.9	59.0	33.9	0.38	0.02	38.9	36.2	37.3	38.8	36.0	37.1	32.8	32.6	32.7	36.1	28.1	32.3
24	13.1	4.1	136.7	2.7	45.9	36.6	43.0	99.9	91.9	42.2	0.01	0.02	41.3	38.9	40.2	41.3	38.7	40.1	41.2	32.8	38.1	42.7	36.1	39.8
25	23.2	6.2	120.3	2.5	65.7	41.1	51.2	99.4	82.2	50.2	0.08	0.02	45.6	41.2	42.7	44.7	41.3	42.4	49.6	41.1	44.2	52.0	41.2	45.6
26	33.8	9.8	237.7	1.7	68.9	47.0	63.5	95.8	40.1	56.5	0.07	0.04	50.7	45.6	49.0	49.7	44.6	47.7	56.7	49.6	54.0	59.7	49.0	55.8
27	20.4	3.5	268.1	12.4	48.7	25.5	37.0	97.2	39.1	25.7	0.00	0.06	49.6	44.0	46.5	49.5	45.0	46.9	51.5	40.8	45.8	51.0	36.8	43.6
28	19.8	5.9	204.0	5.3	49.9	23.4	38.7	98.9	50.9	32.7	0.01	0.04	44.0	41.4	42.8	45.0	42.3	43.4	43.3	37.2	40.3	43.8	34.8	39.1
29	30.8	12.2	283.4	12.4	48.4	36.8	42.1	71.8	29.8	22.9	0.00	0.10	43.4	41.7	42.5	43.8	42.4	43.0	43.8	37.7	40.2	45.2	35.2	38.9
30	31.4	9.7	237.5	12.5	49.0	30.0	40.2	60.9	25.2	19.3	0.00	0.10	42.1	39.8	41.1	42.5	40.6	41.5	42.7	35.9	38.4	45.1	34.0	37.2
31	29.9	11.6	213.5	3.0	45.0	40.4	42.8	92.6	40.4	33.3	0.00	0.05	42.3	40.9	41.5	42.5	41.2	41.8	42.4	37.7	39.8	43.6	35.8	39.4
TOT				220.5							1.41	1.31												
AVG		6.2	222.9	7.1	44.1	26.1	35.3	93.0	50.4	26.9		0.04	42.7	40.2	41.4	43.1	41.0	42.0	41.4	36.7	38.9	42.0	34.8	38.0
MAX	33.8				68.9			100.4					50.7			49.9			56.7			59.7		
MIN						6.3			25.2					34.5			35.3				32.1		28.1	

KEY: M = missing data
E = estimated data

** For further information on the ICN contact:
Jennie Atkins
(217) 333-4966
Illinois State Water Survey
2204 Griffith Dr., Champaign, IL 61820-7495
jatkings@illinois.edu

If ICN data are used, the program and network should be referenced. Our suggested citation is
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