

Wet/dry day probabilities for Selected Cities in Tennessee 1981-2010

Updated from NOAA Technical Memorandum EDS 22 (1974)

Abstract

Probabilities of sequences of wet and dry days can be used in evaluating probable gains or losses related to many activities. Both initial and transitional probabilities can be calculated from past long-term weather observations. Initial probabilities indicate the likelihood that any day during the week will be dry without reference to rainfall on previous days. Transitional probabilities predict the probability of the day being dry if the previous day was also dry or if the previous day was wet. Tables of these probabilities are presented for first order (mostly airports which have the most complete weather records) stations in Tennessee For five levels of daily precipitation ranging from .01 to .5 inches per day.

Introduction

Many agricultural and nonagricultural operations and activities depend on the presence or absence of rainfall at certain critical times, such as asphalt paving, roof construction, hay drying, pesticide or fertilizer application, seed germination, planning for state or regional fairs and outdoor concerts, and allocating water resources. By examining past precipitation records, one can determine seasonal precipitation conditions Useful in describing wet and dry sequences. Such predictions are made with the assumption that sequences will tend to be the same in the future as they were during the period of record analyzed. Probabilities of selected precipitation amounts have been calculated and published for Tennessee and for several of the Western states. Heerman et al. (1971) have investigated probabilities of wet dry sequences for several Western states. This bulletin represents a modification and expansion of the technique to apply to the more humid conditions of Tennessee.

The tables in this publication can be used to answer questions such as

- 1) what is the probability that a particular day will be wet or will be dry?
- 2) what is the probability that a particular sequence of wet and/or dry days will occur during a particular season?
- 3) what is the probability of occurrence of a specific sequence of wet or dry days?

The probabilities of wet or dry days are based on past, long-term weather observations. They are not to be confused with daily weather forecasts which are revised periodically to account for changing meteorological conditions. A prediction derived from the tables presented here is an estimate

of rainfall occurrence as it should fall over a period of many months or years. Local daily forecasts are more reliable than climatological forecasts such as these in accounting for short-term condition changes but they are of little use in long-range planning.

Definition of terms and use of tables

An event can occur with a probability ranging from 0 to 100%; the probability of non-occurrence is equal to 100 minus the probability of occurrence. Probabilities presented in these tables can also be thought of as relative frequencies of occurrence. If the probability that a given day will be wet is 64, this implies that this day will be wet 64 years and 100 years or, more realistically, that it will be wet 6 out of each 10 years. A probability of 99+ has been assigned whenever a mathematical probability of 100 was calculated; probabilities less than 0.5 have been left blank.

The accompanying tables presents both Initial and transitional probabilities. The initial probabilities are presented in the first column for each precipitation amount and transitional probabilities are given in the last two columns. The initial probabilities were calculated without reference to previous rainfall and indicate the likelihood that any day during the seven-day period will be dry. Transitional probabilities were calculated to predict the probability of a day being dry if the previous day was also dry or if the previous day was wet. Five levels of daily precipitation, ranging from .01 to 0.50 inch per day, are presented for each location. Each level describes a particular degree of wetness or dryness; for example, at the first level a day is considered wet if the precipitation equals or exceeds 0.01 inch. Presentation of five levels adds flexibility to the use of these tables since all operations are not affected to the same degree by the same amount of precipitation.

Methods

Calculation of probabilities: For each location, probabilities were calculated considering (1) the number of years a particular day (the i^{th} day) was dry, divided by the number of years of record ($n=30$) and 2) the number of years that the i^{th} and the $i^{\text{th}}-1$ days were dry, divided by the number of years that the $i^{\text{th}}-1$ day was dry. By averaging these probabilities by weeks, an estimate of $P(\text{DRY})$ and $P(\text{DRY}/\text{DRY})$ was calculated. Remaining probabilities were calculated by assuming that sequences of wet and dry days can be represented by a Markov chain probability model. This model assumes that the probability of rain occurring on any day depends on whether the previous day was wet or dry. The amount of precipitation is involved only in the definition of occurrence of non-occurrence. These relationships are valid within this model:

$$P(W_i) = 1 - P(D_i)$$

$$P(W_i/D_{i-1}) = 1 - P(D_i/D_{i-1})$$

$$P(D_i/W_{i-1}) = [P(D_i) - P(D_{i-1}) \times P(D_i/D_{i-1})] / P(W_{i-1})$$

$$P(W_i/W_{i-1}) = 1 - P(D_i/W_{i-1})$$

Source of data was obtained from the National Climatic Data Center (www.ncdc.noaa.gov).

Probabilities listed in the tables

The accompanying tables list three probabilities associated with each day within a particular seven day period for each level of precipitation. To interpret days (assuming, for example, that we define a dry day as one with less than 0.10 inch of precipitation) we can read as an example:

- 1) the probability that January 4 at Chattanooga (or any other day in the seven day period of January 3-9) will be dry, regardless of precipitation on January 3, is 0.74. This is the entry under DRY.
- 2) the probability that January 4 will be dry if January 3 was also dry is 0.79. This is the entry DRY/DRY where a diagonal mark / replaces the phrase "given that the previous day is".
- 3) the probability that January 4 will be dry if January 3 was wet is 0.60. This is the entry under DRY/WET.

Probabilities calculated from the tables

We can also calculate three other probabilities associated with each day (January 4 in this example) from the tabular data values. Probabilities associated with a wet condition are the complements of those for a dry condition. Therefore, again defining a dry day as one with less than 0.10 inches precipitation, we can calculate: REDO THESE WITH NEW NUMBERS

- 1) the probability that January 4 at Chattanooga is wet, regardless of conditions on January 3, is 24.

$$P(WET) = 1 - P(DRY) = 100 - 0.74 = 0.26$$

- 2) the probability that January 4 at Chattanooga is wet given that the previous day is wet is 24.

$$P(WET/WET) = 1 - P(DRY/WET) = 1 - 0.60 = 0.40$$

- 3) the probability that January 4 at Chattanooga is wet if January 3 is dry is 0.21.

$$P(WET/DRY) = 1 - P(DRY/DRY) = 1 - 0.79 = 0.21$$

Suppose you are interested in the precipitation patterns at Chattanooga for the period January 8 – 10. There are eight possible sequences of 3 wet or dry days (or 2^3). The probability of any one of these sequences can be calculated by multiplying the appropriate initial probability and the two transitional probabilities which apply to conditions existing for those days. For a sequence that overlaps two (or

more) weekly periods, one should use the probabilities associated with the weeks in which the specific day occurs. If all possible combinations of events are calculated for the same week, the sum of probabilities should equal 1.

For a dry condition of less than 0.10 inch of rain at me the eighth sequence probabilities can be calculated as follows (probabilities for Jan 8 and 9 are taken from “Jan 3-9” and for Jan 10 from “Jan 10-16”).

1. No wet days (3 DRY days)

$$P(\text{DRY,DRY,DRY}) = P(\text{DRY}) \times P(\text{DRY/DRY}) \times P(\text{DRY/DRY}) = 0.74 \times 0.79 \times 0.80 = 0.47 \text{ or about 1 in 2}$$

2. Jan 8 WET and Jan 9 and 10 DRY

$$P(\text{WET,DRY,DRY}) = P(\text{WET}) \times P(\text{DRY/WET}) \times P(\text{DRY/DRY}) = 0.26 \times 0.60 \times 0.80 = 0.12 \text{ or about 1 in 8}$$

3. Jan 9 WET and Jan 8 and 10 DRY

$$P(\text{DRY,WET,DRY}) = P(\text{DRY}) \times P(\text{WET/DRY}) \times P(\text{DRY/WET}) = 0.74 \times 0.21 \times 0.70 = 0.11 \text{ or about 1 in 10}$$

4. Jan 10 WET and Jan 8 and 9 DRY

$$P(\text{DRY,DRY,WET}) = P(\text{DRY}) \times P(\text{DRY/DRY}) \times P(\text{WET/DRY}) = 0.74 \times 0.79 \times 0.20 = 0.12 \text{ or about 1 in 9}$$

5. Jan 8 and 9 WET and Jan 10 DRY

$$P(\text{WET,WET,DRY}) = P(\text{WET}) \times P(\text{WET/WET}) \times P(\text{DRY/WET}) = 0.26 \times 0.40 \times 0.70 = 0.07 \text{ or about 1 in 16}$$

6. Jan 8 and 10 WET and Jan 9 DRY

$$P(\text{WET,DRY,WET}) = P(\text{WET}) \times P(\text{DRY/WET}) \times P(\text{WET/DRY}) = 0.26 \times 0.60 \times 0.20 = 0.03 \text{ or about 1 in 33}$$

7. Jan 9 and 10 WET and Jan 8 DRY

$$P(\text{DRY,WET,WET}) = P(\text{DRY}) \times P(\text{WET/DRY}) \times P(\text{WET/WET}) = 0.74 \times 0.21 \times 0.30 = 0.05 \text{ or about 1 in 20}$$

8. Three WET days

$$P(\text{WET,WET,WET}) = P(\text{WET}) \times P(\text{WET/WET}) \times P(\text{WET/WET}) = 0.26 \times 0.40 \times 0.70 = 0.07 \text{ or about 1 in 14}$$

References:

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Weiss, L.L. 1964. Sequences of wet or dry days described by a Markov chain probability model. Monthly Weather Review Vol 92: 169-176.

Ames Plantation, Tennessee (1981-2010)

		P(Wet) = 1 - P(Dry)			P(Wet/Dry) = 1 - P(Dry/Dry)			P(Wet/Wet) = 1 - P(Dry/Wet)							
1-week period beginning:	Wet greater than or equal to 0.01 inch			Wet greater than or equal to 0.05 inch			Wet greater than or equal to 0.10 inch			Wet greater than or equal to 0.25 inch			Wet greater than or equal to 0.50 inch		
	Dry	Dry/Dry	Dry/Wet	Dry	Dry/Dry	Dry/Wet	Dry	Dry/Dry	Dry/Wet	Dry	Dry/Dry	Dry/Wet	Dry	Dry/Dry	Dry/Wet
1-Mar	0.68	0.72	0.60	0.74	0.78	0.65	0.77	0.81	0.63	0.82	0.84	0.76	0.89	0.89	0.88
8-Mar	0.68	0.78	0.48	0.74	0.83	0.49	0.78	0.85	0.51	0.84	0.89	0.59	0.91	0.94	0.67
15-Mar	0.62	0.70	0.49	0.67	0.74	0.54	0.74	0.79	0.60	0.79	0.86	0.52	0.87	0.90	0.70
22-Mar	0.72	0.75	0.66	0.77	0.79	0.71	0.79	0.80	0.75	0.84	0.83	0.91	0.89	0.89	0.88
29-Mar	0.56	0.68	0.41	0.65	0.69	0.58	0.69	0.72	0.61	0.78	0.81	0.66	0.86	0.86	0.83
5-Apr	0.70	0.71	0.69	0.74	0.74	0.73	0.76	0.77	0.74	0.81	0.80	0.85	0.89	0.87	0.99
12-Apr	0.64	0.74	0.46	0.73	0.79	0.59	0.79	0.81	0.69	0.84	0.86	0.76	0.87	0.88	0.81
19-Apr	0.67	0.74	0.54	0.73	0.79	0.56	0.76	0.81	0.59	0.80	0.83	0.65	0.87	0.89	0.78
26-Apr	0.62	0.73	0.44	0.69	0.77	0.52	0.74	0.77	0.65	0.79	0.79	0.76	0.87	0.87	0.82
3-May	0.65	0.74	0.47	0.69	0.76	0.54	0.72	0.78	0.56	0.79	0.83	0.66	0.87	0.90	0.67
10-May	0.63	0.70	0.51	0.70	0.77	0.53	0.73	0.78	0.61	0.81	0.82	0.77	0.90	0.90	0.86
17-May	0.70	0.76	0.55	0.75	0.80	0.58	0.76	0.80	0.63	0.83	0.85	0.74	0.89	0.89	0.88
24-May	0.60	0.69	0.46	0.65	0.73	0.50	0.72	0.75	0.63	0.76	0.80	0.64	0.87	0.89	0.78
31-May	0.66	0.73	0.51	0.73	0.79	0.59	0.77	0.81	0.65	0.84	0.85	0.82	0.89	0.89	0.88
7-Jun	0.68	0.78	0.46	0.72	0.81	0.47	0.77	0.83	0.58	0.85	0.89	0.65	0.88	0.91	0.64
14-Jun	0.74	0.81	0.53	0.78	0.82	0.65	0.80	0.83	0.65	0.83	0.84	0.78	0.90	0.90	0.95
21-Jun	0.77	0.80	0.65	0.81	0.84	0.70	0.84	0.86	0.73	0.89	0.90	0.78	0.92	0.95	0.59
28-Jun	0.69	0.76	0.54	0.75	0.77	0.71	0.80	0.81	0.78	0.86	0.87	0.83	0.91	0.91	0.89
5-Jul	0.74	0.79	0.59	0.79	0.84	0.60	0.80	0.84	0.60	0.86	0.89	0.69	0.91	0.92	0.83
12-Jul	0.69	0.73	0.59	0.75	0.76	0.72	0.77	0.77	0.76	0.83	0.83	0.83	0.87	0.87	0.85
19-Jul	0.72	0.78	0.57	0.79	0.84	0.60	0.82	0.85	0.68	0.85	0.85	0.84	0.89	0.88	0.92
26-Jul	0.70	0.77	0.53	0.77	0.81	0.63	0.80	0.86	0.57	0.84	0.87	0.68	0.88	0.90	0.76
2-Aug	0.71	0.79	0.52	0.78	0.82	0.65	0.81	0.84	0.69	0.87	0.89	0.78	0.94	0.93	0.99
9-Aug	0.75	0.84	0.50	0.79	0.84	0.60	0.81	0.85	0.63	0.86	0.87	0.83	0.90	0.91	0.90
16-Aug	0.76	0.83	0.54	0.81	0.85	0.67	0.85	0.87	0.75	0.90	0.90	0.90	0.92	0.92	0.94
23-Aug	0.79	0.84	0.60	0.83	0.86	0.69	0.85	0.87	0.74	0.89	0.90	0.79	0.95	0.94	0.99
30-Aug	0.75	0.83	0.51	0.79	0.84	0.58	0.82	0.87	0.58	0.88	0.90	0.72	0.91	0.93	0.78
6-Sep	0.81	0.85	0.67	0.85	0.88	0.66	0.87	0.89	0.74	0.90	0.92	0.76	0.93	0.93	0.87
13-Sep	0.75	0.82	0.53	0.80	0.86	0.56	0.81	0.86	0.62	0.89	0.89	0.91	0.94	0.93	0.99
20-Sep	0.69	0.79	0.46	0.74	0.83	0.49	0.78	0.84	0.55	0.84	0.88	0.62	0.89	0.91	0.74
27-Sep	0.83	0.85	0.74	0.88	0.88	0.85	0.90	0.90	0.86	0.92	0.92	0.88	0.95	0.96	0.90
4-Oct	0.81	0.85	0.63	0.84	0.87	0.68	0.86	0.89	0.69	0.88	0.91	0.68	0.89	0.92	0.65
11-Oct	0.74	0.81	0.53	0.82	0.85	0.70	0.84	0.86	0.73	0.87	0.88	0.75	0.91	0.92	0.83
18-Oct	0.65	0.77	0.42	0.75	0.76	0.70	0.79	0.81	0.73	0.83	0.85	0.72	0.88	0.90	0.69
25-Oct	0.73	0.81	0.54	0.76	0.82	0.58	0.80	0.83	0.68	0.86	0.85	0.93	0.90	0.88	0.99
1-Nov	0.68	0.77	0.49	0.75	0.80	0.60	0.81	0.85	0.67	0.86	0.88	0.72	0.93	0.92	0.99
8-Nov	0.73	0.79	0.56	0.79	0.83	0.62	0.80	0.85	0.61	0.87	0.88	0.81	0.90	0.92	0.80
15-Nov	0.67	0.67	0.67	0.73	0.70	0.82	0.77	0.75	0.84	0.83	0.84	0.80	0.89	0.88	0.96
22-Nov	0.64	0.75	0.45	0.67	0.77	0.46	0.73	0.80	0.55	0.79	0.84	0.61	0.85	0.89	0.59
29-Nov	0.68	0.73	0.56	0.73	0.76	0.63	0.77	0.79	0.69	0.81	0.84	0.69	0.88	0.87	0.96
6-Dec	0.69	0.77	0.51	0.74	0.79	0.58	0.79	0.82	0.68	0.85	0.85	0.87	0.89	0.90	0.83
13-Dec	0.67	0.75	0.51	0.74	0.78	0.62	0.78	0.81	0.66	0.83	0.85	0.74	0.90	0.90	0.86
20-Dec	0.65	0.73	0.50	0.70	0.74	0.63	0.77	0.80	0.67	0.81	0.82	0.77	0.85	0.87	0.75
27-Dec	0.72	0.78	0.54	0.77	0.80	0.65	0.80	0.83	0.68	0.86	0.87	0.73	0.90	0.90	0.90
3-Jan	0.71	0.79	0.53	0.76	0.82	0.57	0.78	0.83	0.57	0.81	0.84	0.68	0.87	0.89	0.78
10-Jan	0.71	0.77	0.57	0.79	0.82	0.67	0.82	0.83	0.78	0.90	0.89	1.05	0.93	0.93	0.93
17-Jan	0.65	0.74	0.48	0.69	0.78	0.49	0.73	0.79	0.56	0.81	0.83	0.73	0.88	0.88	0.85
24-Jan	0.71	0.75	0.63	0.78	0.82	0.64	0.80	0.83	0.69	0.86	0.87	0.77	0.90	0.89	0.95
31-Jan	0.69	0.74	0.56	0.72	0.79	0.55	0.73	0.80	0.53	0.80	0.85	0.61	0.89	0.92	0.63
7-Feb	0.70	0.73	0.63	0.75	0.76	0.73	0.78	0.79	0.76	0.83	0.85	0.77	0.90	0.90	0.90
14-Feb	0.64	0.72	0.50	0.69	0.74	0.56	0.72	0.77	0.59	0.80	0.84	0.63	0.87	0.90	0.70
21-Feb	0.70	0.78	0.54	0.74	0.79	0.60	0.77	0.81	0.65	0.83	0.85	0.75	0.88	0.90	0.70

Bristol, Tennessee (1981-2010)

Bristol, Tennessee (1981-2010)															
P(Wet) = 1 - P(Dry) P(Wet/Dry) = 1 - P(Dry/Dry) P(Wet/Wet) = 1 - P(Dry/Wet)															
1-week period beginning:	Wet greater than or equal to 0.01 inch			Wet greater than or equal to 0.05 inch			Wet greater than or equal to 0.10 inch			Wet greater than or equal to 0.25 inch			Wet greater than or equal to 0.50 inch		
	Dry	Dry/Dry	Dry/Wet	Dry	Dry/Dry	Dry/Wet	Dry	Dry/Dry	Dry/Wet	Dry	Dry/Dry	Dry/Wet	Dry	Dry/Dry	Dry/Wet
1-Mar	0.60	0.65	0.53	0.74	0.75	0.71	0.79	0.78	0.80	0.88	0.87	0.92	0.91	0.91	0.94
8-Mar	0.61	0.68	0.51	0.69	0.74	0.58	0.76	0.80	0.64	0.87	0.88	0.75	0.95	0.94	0.99
15-Mar	0.53	0.56	0.50	0.65	0.68	0.58	0.68	0.73	0.57	0.79	0.81	0.70	0.90	0.92	0.76
22-Mar	0.66	0.71	0.56	0.74	0.76	0.70	0.80	0.80	0.77	0.89	0.90	0.79	0.96	0.96	0.99
29-Mar	0.56	0.64	0.46	0.63	0.69	0.53	0.71	0.75	0.63	0.83	0.80	0.97	0.94	0.93	0.99
5-Apr	0.61	0.67	0.52	0.71	0.71	0.70	0.75	0.75	0.74	0.87	0.86	0.93	0.92	0.92	0.88
12-Apr	0.60	0.63	0.56	0.69	0.69	0.68	0.76	0.78	0.69	0.85	0.89	0.61	0.91	0.94	0.67
19-Apr	0.60	0.71	0.43	0.70	0.76	0.57	0.76	0.79	0.65	0.86	0.86	0.90	0.91	0.91	0.94
26-Apr	0.60	0.72	0.42	0.68	0.74	0.54	0.73	0.76	0.65	0.83	0.84	0.80	0.92	0.91	0.99
3-May	0.59	0.73	0.38	0.65	0.76	0.43	0.70	0.79	0.47	0.80	0.85	0.60	0.90	0.91	0.85
10-May	0.65	0.67	0.61	0.74	0.76	0.70	0.79	0.81	0.69	0.85	0.85	0.87	0.93	0.95	0.71
17-May	0.62	0.67	0.54	0.69	0.71	0.64	0.73	0.73	0.72	0.84	0.84	0.88	0.91	0.91	0.94
24-May	0.57	0.61	0.52	0.67	0.69	0.61	0.70	0.76	0.58	0.81	0.82	0.79	0.89	0.89	0.91
31-May	0.57	0.68	0.42	0.65	0.70	0.56	0.68	0.73	0.57	0.83	0.85	0.74	0.91	0.93	0.74
7-Jun	0.59	0.68	0.45	0.69	0.75	0.55	0.74	0.79	0.60	0.84	0.86	0.73	0.92	0.91	0.99
14-Jun	0.62	0.70	0.49	0.69	0.75	0.55	0.73	0.78	0.61	0.82	0.83	0.81	0.91	0.93	0.78
21-Jun	0.62	0.69	0.50	0.71	0.74	0.62	0.76	0.80	0.63	0.85	0.86	0.81	0.92	0.92	0.94
28-Jun	0.58	0.69	0.42	0.65	0.74	0.49	0.70	0.78	0.52	0.81	0.84	0.68	0.89	0.91	0.74
5-Jul	0.66	0.71	0.58	0.74	0.77	0.65	0.79	0.80	0.73	0.88	0.86	1.04	0.91	0.91	0.95
12-Jul	0.60	0.68	0.47	0.68	0.74	0.54	0.75	0.79	0.63	0.82	0.85	0.70	0.90	0.92	0.71
19-Jul	0.60	0.64	0.55	0.67	0.69	0.61	0.70	0.74	0.61	0.80	0.84	0.66	0.88	0.91	0.62
26-Jul	0.55	0.69	0.38	0.63	0.72	0.48	0.68	0.75	0.53	0.77	0.81	0.63	0.85	0.88	0.66
2-Aug	0.64	0.69	0.54	0.70	0.76	0.58	0.77	0.78	0.71	0.88	0.86	1.00	0.94	0.92	0.99
9-Aug	0.70	0.71	0.68	0.78	0.77	0.79	0.79	0.79	0.76	0.86	0.85	0.93	0.93	0.92	0.99
16-Aug	0.67	0.75	0.51	0.74	0.79	0.59	0.78	0.80	0.68	0.83	0.84	0.75	0.90	0.91	0.77
23-Aug	0.70	0.78	0.52	0.78	0.82	0.62	0.82	0.84	0.73	0.90	0.92	0.80	0.94	0.93	0.99
30-Aug	0.68	0.75	0.51	0.75	0.81	0.57	0.77	0.83	0.58	0.88	0.91	0.65	0.91	0.93	0.78
6-Sep	0.75	0.78	0.64	0.81	0.82	0.75	0.87	0.87	0.85	0.90	0.90	0.86	0.94	0.93	0.99
13-Sep	0.74	0.81	0.53	0.77	0.84	0.53	0.80	0.86	0.57	0.89	0.91	0.71	0.93	0.93	0.87
20-Sep	0.70	0.79	0.47	0.75	0.84	0.50	0.81	0.86	0.62	0.88	0.91	0.65	0.92	0.94	0.75
27-Sep	0.75	0.78	0.64	0.80	0.82	0.76	0.84	0.84	0.82	0.89	0.88	0.96	0.96	0.94	0.99
4-Oct	0.74	0.78	0.62	0.80	0.84	0.64	0.84	0.88	0.62	0.90	0.92	0.68	0.97	0.97	0.99
11-Oct	0.76	0.86	0.45	0.81	0.86	0.58	0.85	0.87	0.74	0.90	0.90	0.86	0.96	0.96	0.99
18-Oct	0.69	0.76	0.53	0.76	0.81	0.61	0.81	0.85	0.64	0.90	0.92	0.68	0.96	0.97	0.78
25-Oct	0.69	0.77	0.50	0.80	0.83	0.65	0.83	0.86	0.71	0.90	0.89	0.91	0.95	0.95	0.91
1-Nov	0.69	0.79	0.46	0.75	0.81	0.58	0.79	0.83	0.66	0.87	0.88	0.75	0.94	0.95	0.83
8-Nov	0.67	0.75	0.51	0.76	0.80	0.64	0.82	0.83	0.78	0.89	0.89	0.87	0.93	0.93	0.99
15-Nov	0.69	0.74	0.57	0.77	0.80	0.69	0.80	0.81	0.72	0.86	0.88	0.72	0.95	0.96	0.73
22-Nov	0.65	0.74	0.47	0.70	0.76	0.56	0.75	0.80	0.60	0.85	0.85	0.81	0.92	0.94	0.75
29-Nov	0.58	0.69	0.43	0.67	0.74	0.53	0.74	0.79	0.59	0.85	0.87	0.74	0.90	0.90	0.86
6-Dec	0.63	0.70	0.52	0.71	0.74	0.65	0.77	0.76	0.80	0.84	0.86	0.71	0.91	0.94	0.58
13-Dec	0.62	0.68	0.53	0.72	0.74	0.67	0.77	0.78	0.71	0.85	0.84	0.90	0.92	0.91	0.99
20-Dec	0.59	0.56	0.62	0.68	0.70	0.63	0.73	0.73	0.72	0.85	0.86	0.78	0.94	0.93	0.99
27-Dec	0.66	0.70	0.58	0.76	0.78	0.68	0.81	0.83	0.72	0.88	0.90	0.69	0.94	0.93	0.92
3-Jan	0.59	0.68	0.45	0.67	0.74	0.54	0.74	0.77	0.64	0.83	0.84	0.78	0.93	0.93	0.93
10-Jan	0.61	0.68	0.50	0.71	0.75	0.62	0.79	0.80	0.75	0.90	0.89	0.91	0.93	0.93	0.93
17-Jan	0.56	0.65	0.45	0.65	0.71	0.53	0.72	0.75	0.63	0.83	0.85	0.77	0.91	0.93	0.72
24-Jan	0.63	0.74	0.44	0.71	0.81	0.47	0.75	0.84	0.48	0.84	0.86	0.74	0.93	0.92	0.99
31-Jan	0.59	0.65	0.49	0.67	0.72	0.56	0.74	0.77	0.64	0.80	0.84	0.66	0.90	0.93	0.70
7-Feb	0.64	0.67	0.58	0.73	0.74	0.71	0.78	0.79	0.72	0.91	0.91	0.95	0.96	0.97	0.67
14-Feb	0.54	0.65	0.40	0.67	0.72	0.56	0.72	0.76	0.62	0.80	0.83	0.68	0.91	0.92	0.84
21-Feb	0.56	0.61	0.50	0.68	0.73	0.56	0.74	0.79	0.60	0.84	0.86	0.76	0.93	0.95	0.61

Chattanooga, Tennessee (1981-2010)

Chattanooga, Tennessee (1981-2010)															
P(Wet) = 1 - P(Dry) P(Wet/Dry) = 1 - P(Dry/Dry) P(Wet/Wet) = 1 - P(Dry/Wet)															
1-week period beginning:	Wet greater than or equal to 0.01 inch			Wet greater than or equal to 0.05 inch			Wet greater than or equal to 0.10 inch			Wet greater than or equal to 0.25 inch			Wet greater than or equal to 0.50 inch		
	Dry	Dry/Dry	Dry/Wet	Dry	Dry/Dry	Dry/Wet	Dry	Dry/Dry	Dry/Wet	Dry	Dry/Dry	Dry/Wet	Dry	Dry/Dry	Dry/Wet
1-Mar	0.66	0.72	0.53	0.72	0.76	0.61	0.78	0.79	0.74	0.81	0.83	0.74	0.88	0.89	0.77
8-Mar	0.73	0.79	0.57	0.77	0.81	0.63	0.80	0.83	0.67	0.84	0.85	0.79	0.90	0.90	0.86
15-Mar	0.59	0.68	0.47	0.65	0.71	0.53	0.72	0.75	0.64	0.78	0.80	0.68	0.88	0.88	0.88
22-Mar	0.71	0.77	0.57	0.78	0.78	0.78	0.80	0.82	0.74	0.86	0.88	0.73	0.92	0.93	0.76
29-Mar	0.61	0.65	0.55	0.66	0.70	0.59	0.71	0.74	0.65	0.79	0.80	0.73	0.89	0.89	0.88
5-Apr	0.71	0.74	0.64	0.75	0.77	0.69	0.78	0.80	0.72	0.81	0.81	0.80	0.87	0.87	0.82
12-Apr	0.68	0.72	0.60	0.72	0.77	0.59	0.77	0.81	0.63	0.85	0.89	0.65	0.91	0.91	0.89
19-Apr	0.67	0.74	0.52	0.73	0.79	0.59	0.77	0.81	0.63	0.83	0.87	0.64	0.90	0.90	0.86
26-Apr	0.65	0.71	0.54	0.70	0.74	0.59	0.77	0.81	0.61	0.84	0.85	0.79	0.90	0.91	0.81
3-May	0.60	0.72	0.42	0.67	0.75	0.51	0.72	0.79	0.55	0.77	0.81	0.65	0.86	0.88	0.72
10-May	0.70	0.71	0.69	0.75	0.75	0.74	0.81	0.81	0.80	0.89	0.89	0.87	0.95	0.95	0.91
17-May	0.67	0.73	0.55	0.74	0.78	0.65	0.78	0.82	0.65	0.86	0.86	0.87	0.93	0.92	0.99
24-May	0.66	0.71	0.56	0.71	0.75	0.62	0.74	0.77	0.67	0.85	0.85	0.84	0.93	0.94	0.79
31-May	0.65	0.76	0.43	0.71	0.80	0.49	0.74	0.84	0.46	0.82	0.86	0.63	0.91	0.93	0.78
7-Jun	0.68	0.75	0.54	0.73	0.75	0.68	0.77	0.78	0.73	0.84	0.85	0.79	0.90	0.92	0.80
14-Jun	0.66	0.74	0.51	0.71	0.77	0.57	0.76	0.79	0.67	0.82	0.83	0.76	0.90	0.92	0.76
21-Jun	0.66	0.75	0.47	0.74	0.78	0.65	0.80	0.82	0.71	0.86	0.87	0.80	0.93	0.92	0.99
28-Jun	0.59	0.69	0.45	0.67	0.76	0.49	0.70	0.78	0.53	0.79	0.82	0.64	0.87	0.91	0.63
5-Jul	0.68	0.74	0.54	0.73	0.79	0.56	0.78	0.80	0.68	0.84	0.86	0.76	0.90	0.92	0.76
12-Jul	0.61	0.59	0.63	0.71	0.72	0.69	0.76	0.77	0.71	0.86	0.86	0.90	0.92	0.92	0.88
19-Jul	0.64	0.69	0.56	0.72	0.73	0.69	0.75	0.77	0.69	0.83	0.86	0.69	0.90	0.91	0.90
26-Jul	0.58	0.75	0.35	0.68	0.80	0.43	0.73	0.79	0.57	0.80	0.83	0.68	0.87	0.90	0.67
2-Aug	0.69	0.74	0.58	0.77	0.78	0.75	0.80	0.80	0.81	0.87	0.86	0.93	0.90	0.90	0.90
9-Aug	0.74	0.80	0.57	0.79	0.83	0.64	0.82	0.84	0.73	0.87	0.89	0.78	0.93	0.93	0.87
16-Aug	0.70	0.78	0.52	0.77	0.79	0.69	0.80	0.81	0.78	0.88	0.88	0.88	0.91	0.92	0.89
23-Aug	0.68	0.81	0.40	0.73	0.82	0.49	0.80	0.85	0.62	0.85	0.88	0.68	0.91	0.92	0.83
30-Aug	0.70	0.73	0.61	0.78	0.79	0.74	0.79	0.81	0.70	0.86	0.88	0.76	0.89	0.92	0.65
6-Sep	0.77	0.81	0.65	0.82	0.84	0.73	0.85	0.86	0.81	0.89	0.89	0.88	0.96	0.96	0.99
13-Sep	0.73	0.82	0.48	0.78	0.84	0.57	0.80	0.85	0.60	0.85	0.88	0.66	0.90	0.92	0.76
20-Sep	0.70	0.78	0.50	0.74	0.81	0.53	0.76	0.82	0.58	0.83	0.86	0.69	0.87	0.89	0.78
27-Sep	0.79	0.82	0.67	0.85	0.87	0.72	0.88	0.88	0.88	0.91	0.92	0.89	0.94	0.94	0.92
4-Oct	0.76	0.86	0.45	0.81	0.89	0.49	0.83	0.90	0.51	0.86	0.90	0.62	0.91	0.94	0.63
11-Oct	0.77	0.81	0.63	0.82	0.85	0.70	0.85	0.86	0.81	0.90	0.91	0.81	0.92	0.94	0.75
18-Oct	0.70	0.78	0.52	0.78	0.84	0.59	0.81	0.84	0.72	0.89	0.91	0.74	0.93	0.94	0.79
25-Oct	0.76	0.81	0.60	0.87	0.87	0.82	0.88	0.90	0.73	0.90	0.92	0.76	0.93	0.95	0.67
1-Nov	0.68	0.76	0.51	0.73	0.78	0.60	0.78	0.81	0.66	0.81	0.85	0.65	0.89	0.91	0.74
8-Nov	0.70	0.81	0.45	0.75	0.83	0.51	0.80	0.85	0.62	0.85	0.88	0.68	0.91	0.92	0.79
15-Nov	0.70	0.76	0.58	0.76	0.77	0.71	0.78	0.80	0.70	0.86	0.87	0.77	0.91	0.91	0.89
22-Nov	0.64	0.74	0.47	0.68	0.76	0.51	0.72	0.79	0.53	0.78	0.82	0.63	0.83	0.89	0.56
29-Nov	0.62	0.73	0.46	0.72	0.76	0.62	0.75	0.78	0.66	0.79	0.80	0.75	0.87	0.85	0.96
6-Dec	0.68	0.75	0.51	0.72	0.75	0.63	0.76	0.77	0.71	0.81	0.82	0.77	0.90	0.91	0.77
13-Dec	0.66	0.70	0.59	0.71	0.71	0.72	0.75	0.76	0.73	0.84	0.83	0.91	0.92	0.91	0.99
20-Dec	0.59	0.66	0.48	0.68	0.73	0.57	0.72	0.75	0.66	0.82	0.82	0.86	0.90	0.90	0.95
27-Dec	0.65	0.73	0.49	0.73	0.78	0.58	0.78	0.82	0.61	0.84	0.86	0.73	0.90	0.89	0.86
3-Jan	0.65	0.72	0.52	0.71	0.77	0.58	0.74	0.79	0.60	0.80	0.82	0.73	0.89	0.90	0.79
10-Jan	0.68	0.77	0.49	0.74	0.79	0.59	0.78	0.80	0.70	0.87	0.88	0.79	0.91	0.91	0.99
17-Jan	0.62	0.71	0.48	0.70	0.75	0.58	0.73	0.78	0.61	0.81	0.84	0.70	0.87	0.89	0.71
24-Jan	0.67	0.70	0.60	0.74	0.77	0.67	0.79	0.79	0.76	0.83	0.84	0.80	0.87	0.85	0.99
31-Jan	0.65	0.72	0.51	0.71	0.76	0.59	0.76	0.81	0.62	0.80	0.85	0.61	0.88	0.91	0.64
7-Feb	0.65	0.68	0.59	0.73	0.74	0.71	0.80	0.82	0.71	0.86	0.87	0.83	0.92	0.92	0.94
14-Feb	0.61	0.70	0.48	0.70	0.77	0.55	0.75	0.81	0.58	0.80	0.83	0.67	0.85	0.87	0.75
21-Feb	0.66	0.72	0.54	0.70	0.76	0.56	0.75	0.82	0.56	0.80	0.84	0.63	0.85	0.88	0.68

Crossville, Tennessee (1981-2010)

1-week period beginning:	P(Wet) = 1 - P(Dry)			P(Wet/Dry) = 1 - P(Dry/Dry)			P(Wet/Wet) = 1 - P(Dry/Wet)								
	Wet greater than or equal to 0.01 inch			Wet greater than or equal to 0.05 inch			Wet greater than or equal to 0.10 inch			Wet greater than or equal to 0.25 inch			Wet greater than or equal to 0.50 inch		
	Dry	Dry/Dry	Dry/Wet	Dry	Dry/Dry	Dry/Wet	Dry	Dry/Dry	Dry/Wet	Dry	Dry/Dry	Dry/Wet	Dry	Dry/Dry	Dry/Wet
1-Mar	0.59	0.67	0.48	0.70	0.73	0.61	0.74	0.78	0.62	0.81	0.82	0.77	0.89	0.90	0.83
8-Mar	0.59	0.67	0.46	0.69	0.77	0.51	0.74	0.79	0.60	0.82	0.85	0.66	0.91	0.91	0.89
15-Mar	0.57	0.65	0.46	0.63	0.68	0.54	0.67	0.71	0.59	0.79	0.81	0.73	0.87	0.88	0.81
22-Mar	0.67	0.72	0.58	0.74	0.77	0.67	0.79	0.81	0.73	0.85	0.87	0.75	0.92	0.92	0.94
29-Mar	0.56	0.63	0.48	0.65	0.68	0.58	0.69	0.71	0.64	0.78	0.77	0.80	0.87	0.88	0.75
5-Apr	0.61	0.67	0.52	0.68	0.71	0.61	0.74	0.76	0.69	0.84	0.85	0.79	0.89	0.89	0.88
12-Apr	0.60	0.66	0.52	0.68	0.73	0.58	0.74	0.75	0.69	0.82	0.81	0.84	0.89	0.89	0.91
19-Apr	0.58	0.66	0.46	0.70	0.77	0.53	0.75	0.80	0.60	0.83	0.84	0.75	0.90	0.90	0.90
26-Apr	0.59	0.70	0.43	0.65	0.74	0.49	0.69	0.78	0.49	0.79	0.84	0.59	0.87	0.91	0.63
3-May	0.59	0.72	0.41	0.67	0.74	0.51	0.70	0.78	0.53	0.78	0.82	0.62	0.87	0.88	0.79
10-May	0.63	0.67	0.57	0.74	0.76	0.67	0.81	0.81	0.83	0.87	0.87	0.85	0.93	0.95	0.71
17-May	0.63	0.70	0.51	0.71	0.72	0.70	0.76	0.75	0.76	0.83	0.80	0.97	0.89	0.88	0.96
24-May	0.57	0.68	0.42	0.64	0.72	0.51	0.71	0.77	0.57	0.80	0.81	0.74	0.86	0.87	0.79
31-May	0.54	0.72	0.33	0.62	0.74	0.43	0.68	0.76	0.51	0.77	0.81	0.65	0.90	0.92	0.71
7-Jun	0.62	0.69	0.50	0.70	0.75	0.58	0.76	0.78	0.69	0.82	0.83	0.76	0.88	0.88	0.88
14-Jun	0.65	0.71	0.53	0.72	0.75	0.64	0.78	0.80	0.70	0.87	0.87	0.89	0.91	0.92	0.84
21-Jun	0.63	0.70	0.52	0.71	0.76	0.59	0.77	0.80	0.69	0.86	0.87	0.77	0.91	0.91	0.94
28-Jun	0.58	0.70	0.40	0.65	0.76	0.45	0.70	0.81	0.45	0.80	0.86	0.53	0.87	0.91	0.59
5-Jul	0.62	0.68	0.53	0.66	0.72	0.55	0.69	0.76	0.53	0.80	0.84	0.66	0.92	0.92	0.94
12-Jul	0.59	0.69	0.44	0.69	0.74	0.57	0.74	0.77	0.65	0.83	0.84	0.80	0.91	0.91	0.95
19-Jul	0.61	0.65	0.56	0.69	0.70	0.66	0.71	0.73	0.68	0.82	0.84	0.71	0.90	0.90	0.86
26-Jul	0.57	0.69	0.41	0.66	0.74	0.50	0.70	0.76	0.55	0.76	0.81	0.61	0.85	0.87	0.72
2-Aug	0.70	0.75	0.58	0.77	0.80	0.69	0.80	0.81	0.74	0.85	0.85	0.81	0.90	0.91	0.73
9-Aug	0.74	0.79	0.61	0.78	0.83	0.60	0.84	0.87	0.68	0.88	0.89	0.84	0.91	0.91	0.95
16-Aug	0.70	0.77	0.53	0.76	0.79	0.65	0.79	0.82	0.67	0.86	0.88	0.72	0.91	0.93	0.74
23-Aug	0.68	0.80	0.43	0.77	0.85	0.52	0.79	0.86	0.51	0.85	0.89	0.63	0.90	0.94	0.60
30-Aug	0.68	0.74	0.54	0.76	0.81	0.62	0.78	0.81	0.67	0.85	0.87	0.74	0.92	0.92	0.94
6-Sep	0.74	0.77	0.64	0.83	0.84	0.80	0.87	0.84	1.00	0.90	0.89	1.00	0.95	0.94	0.99
13-Sep	0.72	0.79	0.53	0.78	0.84	0.55	0.81	0.85	0.64	0.86	0.89	0.63	0.92	0.95	0.59
20-Sep	0.66	0.75	0.49	0.70	0.80	0.48	0.75	0.80	0.60	0.83	0.85	0.74	0.88	0.90	0.73
27-Sep	0.75	0.80	0.62	0.81	0.84	0.72	0.87	0.86	0.89	0.90	0.90	0.86	0.94	0.93	0.99
4-Oct	0.74	0.83	0.49	0.80	0.86	0.57	0.84	0.86	0.73	0.88	0.88	0.92	0.93	0.93	0.93
11-Oct	0.69	0.77	0.50	0.76	0.84	0.52	0.80	0.86	0.56	0.88	0.90	0.69	0.93	0.94	0.79
18-Oct	0.68	0.75	0.53	0.76	0.80	0.63	0.78	0.81	0.66	0.83	0.86	0.71	0.92	0.93	0.76
25-Oct	0.70	0.76	0.56	0.78	0.82	0.62	0.85	0.86	0.78	0.91	0.92	0.79	0.95	0.95	0.82
1-Nov	0.64	0.74	0.46	0.70	0.77	0.55	0.77	0.81	0.61	0.82	0.85	0.68	0.90	0.91	0.85
8-Nov	0.68	0.80	0.43	0.73	0.79	0.57	0.77	0.81	0.63	0.84	0.87	0.70	0.88	0.89	0.80
15-Nov	0.63	0.71	0.49	0.73	0.77	0.64	0.77	0.81	0.65	0.82	0.86	0.65	0.88	0.88	0.88
22-Nov	0.61	0.74	0.41	0.68	0.77	0.49	0.70	0.78	0.53	0.77	0.83	0.55	0.86	0.88	0.73
29-Nov	0.60	0.64	0.54	0.70	0.73	0.65	0.74	0.74	0.73	0.82	0.79	0.95	0.89	0.88	0.99
6-Dec	0.59	0.67	0.47	0.70	0.75	0.59	0.74	0.78	0.65	0.80	0.82	0.73	0.90	0.91	0.73
13-Dec	0.60	0.67	0.49	0.69	0.73	0.60	0.72	0.73	0.69	0.80	0.81	0.74	0.90	0.90	0.90
20-Dec	0.52	0.58	0.46	0.66	0.69	0.60	0.72	0.76	0.64	0.81	0.82	0.79	0.88	0.89	0.84
27-Dec	0.63	0.73	0.44	0.72	0.77	0.58	0.77	0.81	0.61	0.82	0.83	0.76	0.90	0.90	0.86
3-Jan	0.56	0.67	0.42	0.69	0.75	0.55	0.74	0.79	0.60	0.79	0.82	0.68	0.87	0.87	0.82
10-Jan	0.62	0.71	0.48	0.71	0.77	0.56	0.77	0.80	0.67	0.86	0.86	0.86	0.93	0.91	0.99
17-Jan	0.50	0.62	0.38	0.63	0.73	0.45	0.69	0.75	0.55	0.79	0.82	0.68	0.87	0.90	0.64
24-Jan	0.65	0.68	0.59	0.73	0.75	0.67	0.77	0.79	0.71	0.84	0.85	0.76	0.90	0.88	0.99
31-Jan	0.59	0.70	0.43	0.65	0.73	0.51	0.70	0.77	0.52	0.80	0.85	0.63	0.89	0.90	0.79
7-Feb	0.56	0.67	0.42	0.64	0.70	0.53	0.69	0.71	0.64	0.84	0.85	0.76	0.90	0.92	0.68
14-Feb	0.56	0.62	0.49	0.65	0.72	0.52	0.68	0.75	0.54	0.80	0.83	0.67	0.88	0.89	0.80
21-Feb	0.58	0.68	0.45	0.66	0.72	0.55	0.73	0.74	0.68	0.82	0.84	0.73	0.89	0.92	0.65

Jackson, Tennessee (1981-2010)															
1-week period beginning:	P(Wet) = 1 - P(Dry)			P(Wet/Dry) = 1 - P(Dry/Dry)			P(Wet/Wet) = 1 - P(Dry/Wet)			P(Wet) = 1 - P(Dry)			P(Wet/Dry) = 1 - P(Dry/Dry)		
	Wet greater than or equal to 0.01 inch			Wet greater than or equal to 0.05 inch			Wet greater than or equal to 0.10 inch			Wet greater than or equal to 0.25 inch			Wet greater than or equal to 0.50 inch		
	Dry	Dry/Dry	Dry/Wet	Dry	Dry/Dry	Dry/Wet	Dry	Dry/Dry	Dry/Wet	Dry	Dry/Dry	Dry/Wet	Dry	Dry/Dry	Dry/Wet
1-Mar	0.68	0.76	0.52	0.73	0.78	0.60	0.78	0.82	0.64	0.83	0.86	0.69	0.89	0.89	0.88
8-Mar	0.68	0.76	0.51	0.74	0.84	0.46	0.77	0.85	0.49	0.85	0.88	0.66	0.92	0.95	0.56
15-Mar	0.62	0.69	0.50	0.70	0.75	0.56	0.74	0.81	0.56	0.81	0.85	0.64	0.89	0.90	0.75
22-Mar	0.72	0.74	0.67	0.78	0.79	0.72	0.80	0.81	0.72	0.86	0.84	0.93	0.92	0.92	0.94
29-Mar	0.60	0.66	0.51	0.67	0.74	0.54	0.68	0.73	0.58	0.75	0.79	0.63	0.87	0.87	0.86
5-Apr	0.66	0.70	0.58	0.76	0.74	0.80	0.76	0.75	0.80	0.82	0.82	0.82	0.90	0.89	0.91
12-Apr	0.66	0.72	0.53	0.76	0.77	0.71	0.79	0.79	0.76	0.85	0.85	0.81	0.89	0.90	0.79
19-Apr	0.67	0.73	0.55	0.73	0.80	0.55	0.77	0.81	0.63	0.83	0.87	0.66	0.91	0.94	0.63
26-Apr	0.64	0.75	0.45	0.69	0.76	0.54	0.74	0.81	0.56	0.80	0.83	0.65	0.86	0.87	0.79
3-May	0.70	0.75	0.58	0.73	0.78	0.61	0.76	0.81	0.59	0.82	0.85	0.66	0.89	0.90	0.79
10-May	0.66	0.72	0.54	0.72	0.75	0.63	0.77	0.78	0.71	0.82	0.83	0.81	0.89	0.90	0.83
17-May	0.70	0.76	0.56	0.76	0.78	0.70	0.80	0.81	0.74	0.85	0.86	0.78	0.89	0.89	0.83
24-May	0.61	0.74	0.42	0.69	0.77	0.50	0.75	0.81	0.58	0.83	0.85	0.74	0.88	0.89	0.77
31-May	0.65	0.73	0.51	0.70	0.76	0.58	0.75	0.78	0.66	0.79	0.82	0.67	0.88	0.88	0.88
7-Jun	0.65	0.76	0.45	0.69	0.76	0.53	0.74	0.77	0.67	0.81	0.82	0.78	0.88	0.90	0.72
14-Jun	0.70	0.79	0.50	0.77	0.81	0.61	0.80	0.85	0.58	0.82	0.85	0.68	0.88	0.87	0.92
21-Jun	0.70	0.82	0.44	0.74	0.81	0.53	0.79	0.83	0.66	0.86	0.84	0.93	0.91	0.91	0.99
28-Jun	0.69	0.76	0.54	0.74	0.77	0.64	0.77	0.78	0.71	0.86	0.87	0.77	0.92	0.92	0.88
5-Jul	0.72	0.76	0.64	0.79	0.79	0.78	0.84	0.85	0.79	0.87	0.87	0.82	0.93	0.93	0.93
12-Jul	0.68	0.72	0.59	0.75	0.76	0.73	0.77	0.78	0.71	0.83	0.84	0.75	0.87	0.88	0.81
19-Jul	0.75	0.81	0.58	0.80	0.85	0.62	0.82	0.85	0.66	0.88	0.90	0.76	0.91	0.93	0.74
26-Jul	0.70	0.79	0.49	0.73	0.81	0.51	0.76	0.83	0.54	0.83	0.84	0.78	0.87	0.87	0.86
2-Aug	0.76	0.80	0.63	0.79	0.82	0.67	0.81	0.85	0.64	0.88	0.88	0.88	0.92	0.92	0.99
9-Aug	0.74	0.77	0.65	0.79	0.82	0.68	0.80	0.83	0.68	0.87	0.87	0.86	0.90	0.90	0.82
16-Aug	0.82	0.85	0.66	0.87	0.89	0.74	0.89	0.89	0.91	0.92	0.92	1.00	0.95	0.93	0.99
23-Aug	0.78	0.84	0.57	0.86	0.88	0.76	0.89	0.91	0.71	0.91	0.91	0.94	0.94	0.94	0.92
30-Aug	0.74	0.79	0.58	0.81	0.85	0.64	0.85	0.89	0.65	0.89	0.91	0.74	0.95	0.95	0.99
6-Sep	0.77	0.86	0.46	0.83	0.90	0.51	0.86	0.89	0.69	0.93	0.93	0.93	0.96	0.96	0.99
13-Sep	0.72	0.79	0.55	0.78	0.84	0.57	0.82	0.85	0.66	0.87	0.90	0.67	0.90	0.93	0.70
20-Sep	0.69	0.79	0.45	0.76	0.82	0.57	0.79	0.83	0.64	0.84	0.87	0.70	0.90	0.91	0.73
27-Sep	0.80	0.81	0.78	0.86	0.86	0.86	0.89	0.89	0.83	0.91	0.92	0.84	0.95	0.95	0.91
4-Oct	0.80	0.86	0.56	0.84	0.87	0.68	0.86	0.87	0.79	0.89	0.90	0.78	0.91	0.92	0.79
11-Oct	0.73	0.79	0.56	0.80	0.84	0.64	0.84	0.87	0.68	0.88	0.91	0.68	0.92	0.93	0.76
18-Oct	0.68	0.75	0.51	0.74	0.79	0.61	0.77	0.80	0.67	0.81	0.84	0.69	0.87	0.89	0.78
25-Oct	0.71	0.81	0.46	0.77	0.85	0.50	0.81	0.84	0.68	0.87	0.86	0.89	0.92	0.91	0.99
1-Nov	0.69	0.76	0.53	0.78	0.82	0.63	0.81	0.85	0.64	0.89	0.89	0.88	0.93	0.93	0.93
8-Nov	0.70	0.80	0.45	0.78	0.83	0.61	0.80	0.85	0.58	0.85	0.89	0.65	0.90	0.93	0.70
15-Nov	0.64	0.67	0.60	0.70	0.71	0.67	0.76	0.74	0.82	0.83	0.82	0.89	0.89	0.88	0.92
22-Nov	0.59	0.75	0.36	0.70	0.81	0.44	0.75	0.83	0.51	0.79	0.86	0.52	0.85	0.89	0.61
29-Nov	0.67	0.74	0.54	0.74	0.78	0.63	0.78	0.80	0.70	0.84	0.84	0.85	0.89	0.88	0.92
6-Dec	0.67	0.74	0.51	0.75	0.80	0.58	0.79	0.81	0.71	0.85	0.86	0.78	0.90	0.91	0.90
13-Dec	0.65	0.73	0.51	0.73	0.79	0.57	0.77	0.83	0.58	0.84	0.85	0.79	0.90	0.88	0.99
20-Dec	0.64	0.72	0.50	0.70	0.77	0.55	0.74	0.79	0.61	0.80	0.84	0.60	0.83	0.87	0.63
27-Dec	0.68	0.76	0.49	0.75	0.78	0.63	0.78	0.79	0.70	0.85	0.87	0.72	0.90	0.91	0.85
3-Jan	0.68	0.77	0.49	0.74	0.79	0.60	0.79	0.83	0.62	0.82	0.84	0.71	0.88	0.89	0.84
10-Jan	0.70	0.75	0.56	0.79	0.82	0.67	0.83	0.87	0.61	0.88	0.90	0.73	0.94	0.95	0.77
17-Jan	0.63	0.76	0.42	0.73	0.80	0.54	0.75	0.80	0.62	0.82	0.83	0.79	0.87	0.87	0.89
24-Jan	0.70	0.76	0.57	0.75	0.81	0.58	0.78	0.84	0.59	0.86	0.87	0.79	0.89	0.89	0.87
31-Jan	0.70	0.75	0.59	0.74	0.77	0.67	0.77	0.80	0.69	0.82	0.86	0.68	0.90	0.92	0.76
7-Feb	0.69	0.76	0.53	0.75	0.78	0.66	0.80	0.80	0.79	0.84	0.86	0.76	0.92	0.93	0.88
14-Feb	0.62	0.69	0.51	0.69	0.76	0.54	0.72	0.77	0.59	0.78	0.83	0.57	0.85	0.89	0.65
21-Feb	0.69	0.72	0.61	0.74	0.79	0.60	0.78	0.79	0.74	0.84	0.83	0.87	0.89	0.88	0.93

Knoxville, Tennessee (1981-2010)

		P(Wet) = 1 - P(Dry)			P(Wet/Dry) = 1 - P(Dry/Dry)			P(Wet/Wet) = 1 - P(Dry/Wet)							
1-week period beginning:	Wet greater than or equal to 0.01 inch			Wet greater than or equal to 0.05 inch			Wet greater than or equal to 0.10 inch			Wet greater than or equal to 0.25 inch			Wet greater than or equal to 0.50 inch		
	Dry	Dry/Dry	Dry/Wet	Dry	Dry/Dry	Dry/Wet	Dry	Dry/Dry	Dry/Wet	Dry	Dry/Dry	Dry/Wet	Dry	Dry/Dry	Dry/Wet
1-Mar	0.62	0.66	0.56	0.70	0.75	0.60	0.76	0.76	0.75	0.85	0.85	0.84	0.91	0.93	0.78
8-Mar	0.64	0.75	0.45	0.69	0.77	0.51	0.75	0.80	0.62	0.84	0.84	0.85	0.92	0.90	0.99
15-Mar	0.57	0.63	0.50	0.65	0.67	0.61	0.71	0.74	0.62	0.80	0.82	0.74	0.87	0.89	0.74
22-Mar	0.69	0.72	0.61	0.74	0.76	0.70	0.79	0.82	0.67	0.84	0.85	0.79	0.94	0.94	0.85
29-Mar	0.56	0.63	0.48	0.61	0.63	0.59	0.71	0.71	0.70	0.80	0.80	0.81	0.90	0.89	0.99
5-Apr	0.66	0.71	0.56	0.72	0.74	0.68	0.77	0.78	0.73	0.80	0.82	0.74	0.87	0.89	0.74
12-Apr	0.66	0.70	0.57	0.72	0.74	0.66	0.76	0.77	0.73	0.84	0.84	0.82	0.92	0.93	0.81
19-Apr	0.65	0.71	0.55	0.70	0.77	0.53	0.77	0.83	0.57	0.82	0.86	0.65	0.91	0.91	0.89
26-Apr	0.59	0.66	0.49	0.69	0.74	0.58	0.73	0.77	0.63	0.78	0.80	0.72	0.90	0.91	0.81
3-May	0.59	0.69	0.44	0.62	0.71	0.48	0.69	0.75	0.55	0.77	0.80	0.67	0.84	0.88	0.65
10-May	0.70	0.70	0.71	0.77	0.77	0.79	0.81	0.80	0.85	0.88	0.87	0.96	0.95	0.94	0.99
17-May	0.66	0.72	0.53	0.72	0.74	0.66	0.77	0.77	0.76	0.84	0.84	0.85	0.91	0.91	0.94
24-May	0.57	0.64	0.48	0.66	0.71	0.58	0.72	0.75	0.64	0.81	0.81	0.82	0.93	0.93	0.87
31-May	0.60	0.71	0.45	0.66	0.74	0.51	0.75	0.80	0.60	0.83	0.87	0.64	0.90	0.92	0.75
7-Jun	0.62	0.74	0.43	0.71	0.77	0.57	0.76	0.79	0.67	0.82	0.83	0.78	0.92	0.91	0.99
14-Jun	0.64	0.69	0.56	0.72	0.75	0.63	0.76	0.75	0.76	0.86	0.85	0.93	0.94	0.94	0.92
21-Jun	0.63	0.76	0.41	0.72	0.80	0.53	0.77	0.82	0.60	0.84	0.88	0.67	0.89	0.89	0.87
28-Jun	0.63	0.69	0.53	0.73	0.78	0.60	0.77	0.81	0.61	0.84	0.86	0.71	0.91	0.91	0.89
5-Jul	0.68	0.73	0.57	0.73	0.78	0.61	0.76	0.78	0.69	0.83	0.84	0.78	0.88	0.90	0.76
12-Jul	0.64	0.73	0.47	0.70	0.75	0.56	0.74	0.79	0.61	0.81	0.86	0.62	0.90	0.90	0.82
19-Jul	0.67	0.71	0.57	0.75	0.76	0.73	0.80	0.80	0.81	0.86	0.86	0.86	0.93	0.92	0.99
26-Jul	0.57	0.69	0.41	0.65	0.72	0.51	0.70	0.77	0.54	0.78	0.82	0.62	0.85	0.87	0.74
2-Aug	0.69	0.72	0.62	0.76	0.77	0.71	0.79	0.80	0.75	0.85	0.84	0.88	0.93	0.91	0.99
9-Aug	0.73	0.79	0.59	0.80	0.81	0.72	0.83	0.83	0.83	0.88	0.88	0.85	0.93	0.93	0.99
16-Aug	0.70	0.71	0.67	0.77	0.78	0.73	0.79	0.80	0.75	0.88	0.88	0.92	0.92	0.91	0.99
23-Aug	0.73	0.81	0.54	0.76	0.83	0.56	0.82	0.86	0.63	0.90	0.91	0.73	0.95	0.98	0.50
30-Aug	0.72	0.78	0.56	0.79	0.82	0.64	0.83	0.84	0.75	0.86	0.88	0.72	0.91	0.93	0.72
6-Sep	0.81	0.84	0.70	0.87	0.87	0.85	0.90	0.91	0.81	0.93	0.95	0.71	0.95	0.96	0.80
13-Sep	0.75	0.83	0.52	0.80	0.85	0.61	0.83	0.86	0.69	0.87	0.89	0.78	0.93	0.94	0.80
20-Sep	0.69	0.78	0.47	0.76	0.81	0.62	0.78	0.83	0.61	0.84	0.87	0.68	0.89	0.90	0.78
27-Sep	0.77	0.82	0.59	0.81	0.85	0.64	0.86	0.88	0.72	0.91	0.91	1.00	0.96	0.95	0.99
4-Oct	0.73	0.81	0.52	0.79	0.83	0.64	0.82	0.84	0.74	0.88	0.91	0.68	0.93	0.94	0.86
11-Oct	0.77	0.82	0.60	0.81	0.84	0.68	0.85	0.88	0.68	0.92	0.93	0.76	0.95	0.96	0.73
18-Oct	0.70	0.77	0.54	0.75	0.79	0.63	0.81	0.82	0.78	0.88	0.88	0.85	0.94	0.94	0.92
25-Oct	0.72	0.79	0.54	0.81	0.84	0.69	0.83	0.87	0.61	0.90	0.91	0.77	0.92	0.94	0.69
1-Nov	0.68	0.76	0.51	0.72	0.80	0.53	0.76	0.82	0.58	0.84	0.88	0.64	0.89	0.91	0.74
8-Nov	0.67	0.78	0.45	0.75	0.80	0.62	0.79	0.82	0.67	0.84	0.87	0.68	0.92	0.93	0.81
15-Nov	0.68	0.73	0.57	0.75	0.76	0.70	0.77	0.79	0.71	0.86	0.85	0.97	0.90	0.92	0.76
22-Nov	0.66	0.75	0.47	0.70	0.77	0.55	0.73	0.78	0.58	0.80	0.83	0.67	0.86	0.88	0.76
29-Nov	0.61	0.70	0.48	0.72	0.75	0.63	0.74	0.76	0.70	0.82	0.84	0.76	0.88	0.88	0.88
6-Dec	0.64	0.73	0.49	0.71	0.76	0.59	0.75	0.79	0.62	0.81	0.82	0.79	0.89	0.90	0.79
13-Dec	0.66	0.71	0.56	0.71	0.74	0.65	0.76	0.76	0.75	0.84	0.85	0.82	0.90	0.89	0.95
20-Dec	0.60	0.62	0.57	0.68	0.70	0.62	0.73	0.75	0.68	0.83	0.83	0.83	0.90	0.89	0.99
27-Dec	0.63	0.75	0.41	0.72	0.78	0.55	0.76	0.80	0.62	0.83	0.86	0.69	0.90	0.91	0.76
3-Jan	0.62	0.73	0.44	0.70	0.78	0.52	0.75	0.80	0.60	0.80	0.82	0.73	0.90	0.88	0.99
10-Jan	0.67	0.73	0.55	0.74	0.79	0.60	0.77	0.81	0.65	0.86	0.88	0.76	0.92	0.92	0.99
17-Jan	0.59	0.71	0.41	0.65	0.73	0.51	0.72	0.74	0.66	0.81	0.83	0.73	0.89	0.91	0.71
24-Jan	0.67	0.76	0.49	0.73	0.77	0.63	0.78	0.80	0.70	0.84	0.83	0.91	0.88	0.88	0.92
31-Jan	0.61	0.67	0.53	0.69	0.72	0.62	0.73	0.75	0.70	0.81	0.83	0.73	0.90	0.90	0.82
7-Feb	0.66	0.72	0.53	0.72	0.75	0.63	0.78	0.80	0.70	0.87	0.88	0.79	0.93	0.94	0.73
14-Feb	0.58	0.67	0.45	0.67	0.73	0.54	0.73	0.76	0.63	0.82	0.82	0.84	0.90	0.90	0.86
21-Feb	0.61	0.65	0.54	0.68	0.71	0.61	0.73	0.76	0.64	0.80	0.85	0.57	0.89	0.90	0.81

Lewisburg, Tennessee (1981-2010)

		P(Wet) = 1 - P(Dry)			P(Wet/Dry) = 1 - P(Dry/Dry)			P(Wet/Wet) = 1 - P(Dry/Wet)							
1-week period beginning:	Wet greater than or equal to 0.01 inch			Wet greater than or equal to 0.05 inch			Wet greater than or equal to 0.10 inch			Wet greater than or equal to 0.25 inch			Wet greater than or equal to 0.50 inch		
	Dry	Dry/Dry	Dry/Wet	Dry	Dry/Dry	Dry/Wet	Dry	Dry/Dry	Dry/Wet	Dry	Dry/Dry	Dry/Wet	Dry	Dry/Dry	Dry/Wet
1-Mar	0.71	0.75	0.62	0.73	0.77	0.63	0.77	0.81	0.61	0.83	0.85	0.74	0.89	0.89	0.91
8-Mar	0.72	0.81	0.49	0.74	0.82	0.52	0.78	0.84	0.55	0.84	0.87	0.68	0.90	0.92	0.80
15-Mar	0.60	0.72	0.43	0.66	0.75	0.47	0.70	0.77	0.52	0.79	0.84	0.61	0.88	0.90	0.73
22-Mar	0.72	0.74	0.68	0.76	0.77	0.73	0.78	0.78	0.78	0.85	0.84	0.88	0.90	0.89	0.95
29-Mar	0.62	0.70	0.49	0.66	0.69	0.60	0.71	0.71	0.70	0.79	0.78	0.82	0.88	0.89	0.81
5-Apr	0.66	0.70	0.58	0.72	0.72	0.71	0.75	0.74	0.79	0.81	0.81	0.82	0.89	0.88	0.92
12-Apr	0.69	0.74	0.58	0.73	0.76	0.66	0.78	0.79	0.72	0.86	0.86	0.83	0.90	0.90	0.95
19-Apr	0.68	0.75	0.53	0.72	0.78	0.56	0.76	0.81	0.60	0.83	0.87	0.61	0.88	0.90	0.73
26-Apr	0.62	0.66	0.56	0.69	0.70	0.66	0.73	0.73	0.73	0.80	0.80	0.77	0.89	0.91	0.74
3-May	0.65	0.72	0.51	0.70	0.77	0.53	0.73	0.79	0.57	0.77	0.80	0.67	0.82	0.84	0.74
10-May	0.66	0.70	0.57	0.71	0.73	0.66	0.78	0.80	0.72	0.86	0.87	0.77	0.93	0.92	0.99
17-May	0.70	0.77	0.54	0.77	0.80	0.65	0.81	0.81	0.80	0.86	0.86	0.90	0.91	0.91	0.99
24-May	0.67	0.74	0.53	0.71	0.74	0.62	0.76	0.75	0.78	0.82	0.82	0.86	0.90	0.90	0.90
31-May	0.61	0.74	0.42	0.65	0.75	0.47	0.70	0.79	0.48	0.79	0.83	0.64	0.86	0.87	0.77
7-Jun	0.65	0.76	0.45	0.71	0.79	0.53	0.75	0.81	0.57	0.83	0.85	0.74	0.92	0.94	0.75
14-Jun	0.66	0.73	0.54	0.71	0.74	0.62	0.75	0.79	0.63	0.85	0.89	0.63	0.90	0.92	0.71
21-Jun	0.69	0.74	0.57	0.75	0.79	0.63	0.79	0.83	0.66	0.85	0.87	0.74	0.92	0.92	0.94
28-Jun	0.64	0.75	0.45	0.68	0.75	0.53	0.72	0.78	0.56	0.82	0.84	0.73	0.92	0.92	0.88
5-Jul	0.63	0.74	0.45	0.70	0.76	0.55	0.73	0.80	0.53	0.80	0.84	0.64	0.86	0.88	0.72
12-Jul	0.64	0.71	0.52	0.69	0.75	0.55	0.73	0.74	0.70	0.83	0.82	0.89	0.90	0.87	0.99
19-Jul	0.64	0.73	0.49	0.71	0.78	0.54	0.76	0.81	0.59	0.83	0.87	0.64	0.89	0.90	0.78
26-Jul	0.66	0.71	0.56	0.73	0.76	0.63	0.80	0.80	0.77	0.89	0.88	0.96	0.93	0.93	0.93
2-Aug	0.72	0.77	0.59	0.77	0.80	0.65	0.80	0.82	0.71	0.85	0.86	0.81	0.90	0.92	0.80
9-Aug	0.75	0.77	0.68	0.78	0.79	0.74	0.82	0.84	0.76	0.86	0.86	0.83	0.91	0.91	0.99
16-Aug	0.73	0.82	0.49	0.79	0.86	0.51	0.82	0.87	0.58	0.89	0.92	0.63	0.92	0.95	0.59
23-Aug	0.77	0.83	0.56	0.81	0.84	0.68	0.84	0.85	0.76	0.89	0.90	0.83	0.92	0.93	0.88
30-Aug	0.70	0.75	0.59	0.77	0.78	0.73	0.80	0.81	0.78	0.87	0.87	0.82	0.92	0.93	0.88
6-Sep	0.81	0.85	0.67	0.86	0.89	0.67	0.90	0.92	0.71	0.95	0.94	1.00	0.97	0.97	0.99
13-Sep	0.73	0.83	0.46	0.77	0.83	0.55	0.79	0.84	0.59	0.83	0.87	0.64	0.90	0.92	0.80
20-Sep	0.69	0.81	0.41	0.73	0.82	0.50	0.78	0.83	0.60	0.82	0.87	0.59	0.86	0.89	0.67
27-Sep	0.81	0.82	0.77	0.84	0.84	0.85	0.86	0.86	0.83	0.90	0.90	0.90	0.95	0.93	0.99
4-Oct	0.77	0.86	0.48	0.82	0.87	0.59	0.86	0.89	0.63	0.90	0.90	0.82	0.93	0.94	0.73
11-Oct	0.78	0.82	0.64	0.80	0.83	0.68	0.83	0.86	0.69	0.89	0.89	0.83	0.95	0.94	0.99
18-Oct	0.71	0.78	0.55	0.78	0.81	0.67	0.80	0.83	0.71	0.86	0.88	0.76	0.92	0.93	0.76
25-Oct	0.73	0.81	0.52	0.77	0.82	0.60	0.80	0.84	0.66	0.83	0.87	0.66	0.91	0.93	0.78
1-Nov	0.69	0.78	0.47	0.75	0.80	0.62	0.79	0.85	0.57	0.87	0.88	0.75	0.91	0.92	0.83
8-Nov	0.72	0.81	0.47	0.75	0.82	0.56	0.81	0.85	0.63	0.85	0.89	0.65	0.92	0.92	0.88
15-Nov	0.68	0.71	0.60	0.74	0.75	0.69	0.79	0.78	0.82	0.86	0.84	0.97	0.90	0.90	0.86
22-Nov	0.67	0.76	0.47	0.72	0.80	0.53	0.74	0.81	0.54	0.80	0.84	0.64	0.84	0.87	0.68
29-Nov	0.68	0.73	0.57	0.74	0.78	0.62	0.76	0.79	0.65	0.81	0.84	0.70	0.88	0.87	0.92
6-Dec	0.72	0.78	0.57	0.76	0.79	0.65	0.77	0.81	0.63	0.80	0.84	0.63	0.88	0.91	0.65
13-Dec	0.70	0.73	0.65	0.74	0.77	0.65	0.75	0.78	0.67	0.81	0.83	0.73	0.88	0.88	0.85
20-Dec	0.64	0.69	0.55	0.70	0.75	0.59	0.73	0.79	0.59	0.77	0.80	0.69	0.85	0.86	0.81
27-Dec	0.70	0.78	0.48	0.75	0.78	0.62	0.79	0.79	0.77	0.86	0.83	1.00	0.91	0.90	0.95
3-Jan	0.71	0.76	0.60	0.75	0.78	0.66	0.77	0.81	0.65	0.81	0.84	0.70	0.88	0.89	0.77
10-Jan	0.73	0.78	0.58	0.77	0.78	0.71	0.80	0.82	0.70	0.87	0.87	0.89	0.93	0.91	0.99
17-Jan	0.68	0.77	0.49	0.72	0.78	0.57	0.74	0.80	0.56	0.80	0.83	0.71	0.86	0.88	0.72
24-Jan	0.73	0.77	0.61	0.77	0.82	0.60	0.80	0.84	0.64	0.85	0.85	0.87	0.90	0.89	0.91
31-Jan	0.71	0.75	0.62	0.74	0.76	0.69	0.78	0.80	0.70	0.83	0.86	0.69	0.91	0.92	0.89
7-Feb	0.71	0.73	0.68	0.78	0.77	0.81	0.81	0.79	0.90	0.85	0.83	0.97	0.92	0.93	0.82
14-Feb	0.66	0.71	0.56	0.70	0.77	0.53	0.71	0.77	0.57	0.78	0.81	0.66	0.87	0.88	0.75
21-Feb	0.66	0.74	0.52	0.73	0.78	0.60	0.77	0.82	0.60	0.84	0.86	0.74	0.89	0.89	0.85

Martin, Tennessee (1981-2010)															
P(Wet) = 1 - P(Dry) P(Wet/Dry) = 1 - P (Dry/Dry) P(Wet/Wet) = 1 - P(Dry/Wet)															
1-week period beginning:	Wet greater than or equal to 0.01 inch			Wet greater than or equal to 0.05 inch			Wet greater than or equal to 0.10 inch			Wet greater than or equal to 0.25 inch			Wet greater than or equal to 0.50 inch		
	Dry	Dry/Dry	Dry/Wet	Dry	Dry/Dry	Dry/Wet	Dry	Dry/Dry	Dry/Wet	Dry	Dry/Dry	Dry/Wet	Dry	Dry/Dry	Dry/Wet
1-Mar	0.68	0.77	0.49	0.72	0.78	0.56	0.76	0.81	0.60	0.85	0.85	0.84	0.91	0.91	0.95
8-Mar	0.69	0.79	0.48	0.77	0.83	0.57	0.80	0.86	0.56	0.84	0.88	0.65	0.93	0.94	0.73
15-Mar	0.61	0.72	0.44	0.68	0.77	0.47	0.73	0.79	0.56	0.82	0.85	0.66	0.88	0.90	0.69
22-Mar	0.68	0.73	0.58	0.76	0.74	0.80	0.79	0.78	0.82	0.86	0.86	0.87	0.92	0.92	0.94
29-Mar	0.58	0.63	0.51	0.64	0.70	0.55	0.69	0.72	0.61	0.77	0.78	0.75	0.88	0.88	0.88
5-Apr	0.62	0.68	0.53	0.70	0.72	0.68	0.74	0.74	0.74	0.80	0.80	0.83	0.90	0.90	0.95
12-Apr	0.65	0.71	0.53	0.72	0.77	0.60	0.76	0.79	0.65	0.84	0.84	0.82	0.89	0.88	0.92
19-Apr	0.66	0.75	0.49	0.73	0.79	0.59	0.76	0.81	0.62	0.81	0.85	0.67	0.88	0.91	0.68
26-Apr	0.59	0.69	0.44	0.64	0.71	0.52	0.68	0.73	0.57	0.79	0.85	0.53	0.85	0.87	0.74
3-May	0.65	0.74	0.48	0.70	0.77	0.55	0.71	0.78	0.55	0.81	0.83	0.73	0.88	0.90	0.73
10-May	0.60	0.67	0.49	0.68	0.69	0.65	0.73	0.72	0.77	0.80	0.79	0.86	0.90	0.88	0.99
17-May	0.66	0.72	0.55	0.74	0.78	0.63	0.78	0.81	0.67	0.84	0.85	0.76	0.90	0.92	0.80
24-May	0.63	0.69	0.53	0.69	0.74	0.56	0.72	0.76	0.62	0.82	0.84	0.74	0.88	0.89	0.77
31-May	0.67	0.75	0.50	0.71	0.77	0.57	0.75	0.80	0.60	0.81	0.85	0.67	0.89	0.91	0.74
7-Jun	0.65	0.76	0.43	0.71	0.78	0.54	0.75	0.81	0.58	0.82	0.84	0.71	0.91	0.93	0.74
14-Jun	0.70	0.76	0.55	0.76	0.78	0.69	0.80	0.82	0.71	0.85	0.85	0.84	0.91	0.91	0.99
21-Jun	0.70	0.80	0.48	0.74	0.82	0.52	0.78	0.84	0.59	0.83	0.86	0.69	0.91	0.92	0.83
28-Jun	0.66	0.74	0.51	0.75	0.80	0.58	0.79	0.81	0.70	0.88	0.88	0.88	0.91	0.93	0.78
5-Jul	0.76	0.79	0.65	0.80	0.81	0.78	0.84	0.85	0.79	0.87	0.87	0.82	0.91	0.92	0.83
12-Jul	0.69	0.72	0.62	0.74	0.76	0.67	0.77	0.78	0.73	0.85	0.85	0.81	0.88	0.89	0.80
19-Jul	0.74	0.76	0.70	0.79	0.81	0.71	0.81	0.82	0.77	0.88	0.89	0.84	0.95	0.94	0.99
26-Jul	0.74	0.80	0.57	0.78	0.81	0.66	0.80	0.83	0.71	0.85	0.87	0.77	0.89	0.91	0.71
2-Aug	0.79	0.83	0.64	0.84	0.85	0.79	0.87	0.88	0.79	0.92	0.92	0.88	0.94	0.95	0.83
9-Aug	0.79	0.81	0.70	0.84	0.86	0.76	0.86	0.87	0.77	0.90	0.91	0.77	0.91	0.92	0.79
16-Aug	0.80	0.83	0.67	0.83	0.86	0.71	0.87	0.87	0.82	0.92	0.93	0.76	0.95	0.95	0.99
23-Aug	0.77	0.83	0.55	0.80	0.83	0.69	0.84	0.86	0.71	0.88	0.89	0.80	0.93	0.94	0.80
30-Aug	0.70	0.78	0.52	0.78	0.85	0.52	0.81	0.87	0.56	0.86	0.89	0.69	0.93	0.93	0.93
6-Sep	0.79	0.87	0.49	0.84	0.89	0.59	0.86	0.90	0.66	0.89	0.92	0.63	0.93	0.94	0.86
13-Sep	0.74	0.83	0.50	0.80	0.86	0.56	0.84	0.89	0.59	0.89	0.89	0.87	0.90	0.91	0.73
20-Sep	0.69	0.77	0.52	0.76	0.82	0.55	0.79	0.82	0.64	0.84	0.86	0.76	0.90	0.90	0.86
27-Sep	0.80	0.84	0.64	0.83	0.85	0.74	0.86	0.87	0.77	0.89	0.91	0.70	0.93	0.94	0.73
4-Oct	0.79	0.83	0.62	0.80	0.84	0.66	0.84	0.87	0.68	0.89	0.89	0.87	0.92	0.92	0.99
11-Oct	0.74	0.83	0.49	0.80	0.85	0.61	0.83	0.88	0.60	0.89	0.92	0.63	0.93	0.95	0.67
18-Oct	0.68	0.77	0.49	0.74	0.78	0.63	0.79	0.80	0.73	0.82	0.84	0.76	0.88	0.89	0.77
25-Oct	0.72	0.81	0.49	0.77	0.83	0.57	0.79	0.85	0.57	0.85	0.87	0.77	0.90	0.88	0.99
1-Nov	0.68	0.79	0.45	0.73	0.82	0.50	0.79	0.82	0.67	0.87	0.90	0.68	0.90	0.91	0.90
8-Nov	0.69	0.79	0.45	0.75	0.82	0.54	0.78	0.85	0.53	0.84	0.86	0.76	0.90	0.91	0.90
15-Nov	0.62	0.68	0.53	0.71	0.70	0.75	0.75	0.75	0.74	0.83	0.84	0.80	0.90	0.91	0.81
22-Nov	0.60	0.74	0.40	0.69	0.81	0.42	0.72	0.83	0.44	0.77	0.85	0.50	0.85	0.88	0.69
29-Nov	0.65	0.74	0.47	0.72	0.78	0.57	0.76	0.81	0.59	0.81	0.85	0.65	0.88	0.89	0.81
6-Dec	0.69	0.75	0.55	0.74	0.80	0.56	0.78	0.82	0.64	0.82	0.84	0.73	0.90	0.91	0.85
13-Dec	0.65	0.73	0.51	0.73	0.78	0.58	0.75	0.80	0.62	0.82	0.85	0.66	0.87	0.88	0.75
20-Dec	0.64	0.75	0.45	0.74	0.79	0.60	0.76	0.81	0.61	0.79	0.83	0.66	0.87	0.90	0.68
27-Dec	0.65	0.71	0.53	0.71	0.76	0.58	0.77	0.81	0.63	0.83	0.85	0.69	0.90	0.91	0.80
3-Jan	0.63	0.75	0.42	0.73	0.80	0.55	0.78	0.81	0.67	0.84	0.86	0.73	0.90	0.91	0.85
10-Jan	0.71	0.77	0.57	0.78	0.83	0.61	0.82	0.86	0.63	0.89	0.90	0.78	0.94	0.92	0.99
17-Jan	0.64	0.76	0.44	0.72	0.79	0.53	0.76	0.82	0.58	0.85	0.87	0.75	0.90	0.92	0.68
24-Jan	0.70	0.79	0.47	0.77	0.82	0.60	0.79	0.84	0.59	0.88	0.89	0.84	0.92	0.93	0.88
31-Jan	0.67	0.72	0.56	0.72	0.80	0.51	0.75	0.81	0.58	0.81	0.86	0.60	0.90	0.92	0.68
7-Feb	0.68	0.76	0.50	0.72	0.78	0.57	0.77	0.80	0.67	0.85	0.88	0.71	0.90	0.92	0.76
14-Feb	0.65	0.70	0.55	0.70	0.75	0.56	0.72	0.77	0.58	0.78	0.81	0.67	0.86	0.89	0.67
21-Feb	0.69	0.74	0.57	0.77	0.79	0.70	0.82	0.84	0.73	0.85	0.85	0.83	0.89	0.89	0.88

Memphis, Tennessee (1981-2010)															
P(Wet) = 1 - P(Dry) P(Wet/Dry) = 1 - P (Dry/Dry) P(Wet/Wet) = 1 - P(Dry/Wet)															
1-week period beginning:	Wet greater than or equal to 0.01 inch			Wet greater than or equal to 0.05 inch			Wet greater than or equal to 0.10 inch			Wet greater than or equal to 0.25 inch			Wet greater than or equal to 0.50 inch		
	Dry	Dry/Dry	Dry/Wet	Dry	Dry/Dry	Dry/Wet	Dry	Dry/Dry	Dry/Wet	Dry	Dry/Dry	Dry/Wet	Dry	Dry/Dry	Dry/Wet
1-Mar	0.66	0.74	0.51	0.73	0.78	0.61	0.80	0.84	0.64	0.84	0.86	0.76	0.89	0.90	0.78
8-Mar	0.71	0.77	0.58	0.77	0.81	0.63	0.82	0.84	0.71	0.86	0.87	0.79	0.92	0.91	0.99
15-Mar	0.62	0.68	0.51	0.69	0.72	0.62	0.73	0.78	0.61	0.81	0.82	0.77	0.87	0.87	0.85
22-Mar	0.71	0.77	0.56	0.77	0.80	0.65	0.80	0.81	0.72	0.86	0.87	0.80	0.90	0.90	0.90
29-Mar	0.60	0.68	0.49	0.68	0.71	0.60	0.70	0.72	0.64	0.79	0.78	0.80	0.86	0.88	0.70
5-Apr	0.70	0.72	0.64	0.75	0.78	0.64	0.78	0.80	0.72	0.82	0.84	0.74	0.89	0.90	0.79
12-Apr	0.71	0.75	0.62	0.77	0.81	0.65	0.81	0.84	0.68	0.86	0.86	0.87	0.90	0.90	0.82
19-Apr	0.67	0.77	0.46	0.73	0.79	0.56	0.74	0.79	0.61	0.80	0.82	0.71	0.87	0.87	0.82
26-Apr	0.63	0.73	0.46	0.67	0.74	0.53	0.73	0.78	0.58	0.79	0.82	0.64	0.84	0.87	0.70
3-May	0.65	0.73	0.50	0.71	0.73	0.66	0.76	0.80	0.63	0.81	0.83	0.73	0.89	0.89	0.91
10-May	0.66	0.71	0.58	0.73	0.76	0.65	0.76	0.78	0.70	0.83	0.83	0.83	0.89	0.90	0.79
17-May	0.75	0.79	0.62	0.80	0.83	0.67	0.83	0.85	0.72	0.86	0.88	0.76	0.89	0.89	0.87
24-May	0.64	0.70	0.53	0.72	0.78	0.57	0.78	0.80	0.68	0.82	0.85	0.70	0.86	0.88	0.70
31-May	0.70	0.73	0.61	0.77	0.80	0.67	0.82	0.84	0.73	0.87	0.88	0.75	0.91	0.91	0.95
7-Jun	0.68	0.76	0.50	0.71	0.77	0.58	0.76	0.79	0.66	0.83	0.83	0.86	0.90	0.90	0.95
14-Jun	0.77	0.80	0.67	0.83	0.83	0.86	0.86	0.85	0.97	0.88	0.88	0.92	0.91	0.92	0.84
21-Jun	0.69	0.78	0.48	0.77	0.81	0.65	0.80	0.83	0.67	0.90	0.92	0.71	0.94	0.95	0.77
28-Jun	0.68	0.78	0.46	0.78	0.82	0.65	0.82	0.84	0.71	0.88	0.90	0.76	0.93	0.92	0.99
5-Jul	0.76	0.78	0.70	0.80	0.84	0.66	0.84	0.87	0.68	0.90	0.91	0.77	0.93	0.94	0.86
12-Jul	0.69	0.74	0.58	0.73	0.76	0.66	0.77	0.80	0.67	0.83	0.86	0.69	0.88	0.90	0.76
19-Jul	0.74	0.79	0.59	0.78	0.80	0.72	0.80	0.82	0.74	0.85	0.85	0.84	0.89	0.89	0.87
26-Jul	0.70	0.71	0.67	0.76	0.75	0.76	0.79	0.80	0.73	0.86	0.87	0.83	0.90	0.89	0.99
2-Aug	0.72	0.76	0.62	0.78	0.80	0.70	0.83	0.85	0.74	0.87	0.88	0.79	0.92	0.92	0.88
9-Aug	0.80	0.83	0.65	0.83	0.86	0.71	0.88	0.89	0.80	0.92	0.92	0.94	0.95	0.94	0.99
16-Aug	0.80	0.85	0.58	0.83	0.87	0.64	0.86	0.89	0.67	0.89	0.91	0.70	0.94	0.94	0.85
23-Aug	0.80	0.83	0.65	0.85	0.88	0.71	0.88	0.89	0.81	0.90	0.91	0.90	0.93	0.93	0.93
30-Aug	0.75	0.82	0.55	0.83	0.85	0.72	0.87	0.88	0.79	0.92	0.93	0.82	0.95	0.94	0.99
6-Sep	0.79	0.85	0.57	0.83	0.88	0.60	0.86	0.88	0.72	0.90	0.93	0.70	0.95	0.97	0.70
13-Sep	0.74	0.82	0.51	0.82	0.86	0.68	0.85	0.88	0.71	0.88	0.89	0.84	0.90	0.93	0.70
20-Sep	0.71	0.77	0.57	0.78	0.82	0.63	0.82	0.86	0.65	0.87	0.88	0.81	0.93	0.93	0.93
27-Sep	0.83	0.88	0.60	0.88	0.91	0.65	0.90	0.93	0.64	0.94	0.96	0.62	0.97	0.97	0.86
4-Oct	0.79	0.85	0.57	0.81	0.86	0.62	0.83	0.87	0.61	0.87	0.90	0.68	0.90	0.92	0.68
11-Oct	0.75	0.84	0.50	0.80	0.85	0.63	0.84	0.87	0.68	0.86	0.88	0.72	0.93	0.93	0.87
18-Oct	0.73	0.77	0.64	0.77	0.81	0.63	0.79	0.82	0.68	0.83	0.87	0.64	0.90	0.93	0.62
25-Oct	0.74	0.83	0.50	0.78	0.85	0.53	0.81	0.85	0.65	0.88	0.87	0.92	0.92	0.90	0.99
1-Nov	0.69	0.77	0.50	0.76	0.78	0.70	0.81	0.82	0.78	0.87	0.88	0.81	0.90	0.92	0.71
8-Nov	0.72	0.77	0.60	0.78	0.81	0.67	0.81	0.84	0.70	0.86	0.88	0.72	0.90	0.89	0.91
15-Nov	0.70	0.71	0.67	0.75	0.76	0.73	0.77	0.78	0.75	0.84	0.84	0.85	0.89	0.88	0.96
22-Nov	0.63	0.77	0.39	0.70	0.80	0.46	0.75	0.82	0.54	0.81	0.83	0.73	0.86	0.86	0.86
29-Nov	0.73	0.76	0.63	0.79	0.82	0.68	0.82	0.84	0.74	0.84	0.86	0.71	0.89	0.91	0.74
6-Dec	0.70	0.78	0.51	0.75	0.81	0.58	0.77	0.83	0.55	0.81	0.87	0.55	0.87	0.91	0.61
13-Dec	0.70	0.76	0.58	0.78	0.82	0.64	0.82	0.83	0.76	0.85	0.86	0.81	0.90	0.90	0.90
20-Dec	0.64	0.71	0.51	0.70	0.76	0.56	0.74	0.78	0.62	0.79	0.81	0.69	0.85	0.88	0.71
27-Dec	0.69	0.75	0.53	0.77	0.81	0.61	0.80	0.83	0.63	0.87	0.89	0.68	0.90	0.90	0.81
3-Jan	0.69	0.74	0.58	0.75	0.78	0.67	0.79	0.80	0.77	0.83	0.83	0.86	0.91	0.90	0.99
10-Jan	0.73	0.79	0.57	0.79	0.84	0.58	0.82	0.85	0.66	0.88	0.90	0.73	0.92	0.94	0.75
17-Jan	0.64	0.71	0.52	0.70	0.75	0.59	0.74	0.76	0.70	0.84	0.85	0.82	0.91	0.90	0.99
24-Jan	0.70	0.76	0.58	0.78	0.82	0.64	0.81	0.84	0.68	0.86	0.86	0.83	0.91	0.91	0.99
31-Jan	0.66	0.78	0.42	0.71	0.79	0.52	0.78	0.85	0.54	0.84	0.88	0.67	0.90	0.91	0.81
7-Feb	0.66	0.72	0.53	0.74	0.78	0.62	0.78	0.82	0.63	0.85	0.86	0.78	0.90	0.92	0.80
14-Feb	0.67	0.74	0.52	0.72	0.78	0.59	0.74	0.77	0.65	0.82	0.83	0.81	0.88	0.90	0.73
21-Feb	0.69	0.72	0.64	0.75	0.77	0.67	0.78	0.79	0.74	0.85	0.86	0.78	0.89	0.90	0.78

Nashville, Tennessee (1981-2010)

1-week period beginning:	P(Wet) = 1 - P(Dry)			P(Wet/Dry) = 1 - P(Dry/Dry)			P(Wet/Wet) = 1 - P(Dry/Wet)								
	Wet greater than or equal to 0.01 inch			Wet greater than or equal to 0.05 inch			Wet greater than or equal to 0.10 inch			Wet greater than or equal to 0.25 inch			Wet greater than or equal to 0.50 inch		
	Dry	Dry/Dry	Dry/Wet	Dry	Dry/Dry	Dry/Wet	Dry	Dry/Dry	Dry/Wet	Dry	Dry/Dry	Dry/Wet	Dry	Dry/Dry	Dry/Wet
1-Mar	0.69	0.74	0.58	0.76	0.81	0.62	0.78	0.80	0.68	0.84	0.86	0.76	0.91	0.92	0.89
8-Mar	0.66	0.76	0.46	0.73	0.81	0.51	0.78	0.85	0.52	0.87	0.89	0.74	0.92	0.95	0.63
15-Mar	0.62	0.72	0.46	0.68	0.73	0.57	0.74	0.77	0.65	0.81	0.83	0.74	0.90	0.89	0.91
22-Mar	0.71	0.74	0.65	0.75	0.80	0.60	0.79	0.82	0.64	0.85	0.89	0.63	0.91	0.92	0.89
29-Mar	0.58	0.60	0.54	0.67	0.69	0.64	0.72	0.73	0.69	0.82	0.81	0.84	0.88	0.90	0.76
5-Apr	0.66	0.68	0.62	0.72	0.73	0.71	0.79	0.78	0.80	0.88	0.86	1.00	0.93	0.92	0.99
12-Apr	0.67	0.74	0.54	0.75	0.78	0.64	0.80	0.81	0.72	0.84	0.85	0.79	0.91	0.91	0.94
19-Apr	0.64	0.70	0.53	0.74	0.81	0.55	0.77	0.83	0.58	0.84	0.86	0.73	0.91	0.93	0.74
26-Apr	0.56	0.67	0.42	0.65	0.74	0.49	0.71	0.76	0.59	0.81	0.82	0.77	0.92	0.93	0.76
3-May	0.60	0.71	0.45	0.68	0.76	0.50	0.72	0.78	0.56	0.80	0.84	0.60	0.88	0.89	0.77
10-May	0.66	0.72	0.55	0.74	0.75	0.71	0.78	0.79	0.74	0.84	0.86	0.76	0.90	0.91	0.73
17-May	0.66	0.71	0.58	0.75	0.76	0.73	0.79	0.78	0.80	0.85	0.83	0.94	0.90	0.89	0.99
24-May	0.60	0.66	0.49	0.70	0.76	0.57	0.75	0.80	0.62	0.83	0.86	0.71	0.89	0.90	0.79
31-May	0.61	0.72	0.44	0.68	0.78	0.48	0.73	0.79	0.56	0.84	0.85	0.79	0.89	0.91	0.74
7-Jun	0.69	0.77	0.50	0.74	0.81	0.56	0.80	0.84	0.64	0.85	0.88	0.69	0.90	0.91	0.85
14-Jun	0.70	0.74	0.61	0.75	0.76	0.73	0.79	0.79	0.78	0.87	0.86	0.89	0.94	0.93	0.99
21-Jun	0.67	0.73	0.55	0.74	0.77	0.65	0.77	0.80	0.67	0.84	0.85	0.76	0.92	0.92	0.88
28-Jun	0.67	0.72	0.56	0.73	0.74	0.71	0.77	0.78	0.73	0.85	0.85	0.81	0.91	0.92	0.79
5-Jul	0.68	0.80	0.43	0.76	0.82	0.55	0.79	0.84	0.58	0.87	0.90	0.70	0.94	0.95	0.77
12-Jul	0.68	0.75	0.53	0.76	0.83	0.56	0.79	0.84	0.58	0.84	0.88	0.67	0.92	0.91	0.99
19-Jul	0.69	0.72	0.63	0.78	0.80	0.72	0.80	0.81	0.78	0.89	0.89	0.87	0.93	0.93	0.93
26-Jul	0.64	0.73	0.48	0.73	0.79	0.56	0.79	0.82	0.64	0.85	0.90	0.58	0.92	0.92	0.88
2-Aug	0.71	0.74	0.65	0.80	0.82	0.74	0.82	0.86	0.68	0.87	0.87	0.89	0.93	0.93	0.93
9-Aug	0.75	0.80	0.62	0.81	0.83	0.74	0.83	0.84	0.80	0.88	0.86	0.96	0.93	0.93	0.99
16-Aug	0.74	0.76	0.69	0.80	0.84	0.63	0.82	0.87	0.62	0.87	0.90	0.70	0.92	0.93	0.76
23-Aug	0.72	0.79	0.53	0.80	0.84	0.63	0.84	0.86	0.73	0.88	0.90	0.76	0.92	0.94	0.71
30-Aug	0.72	0.77	0.59	0.82	0.82	0.82	0.86	0.85	0.97	0.90	0.89	1.00	0.94	0.92	0.99
6-Sep	0.75	0.81	0.58	0.81	0.85	0.64	0.87	0.89	0.78	0.92	0.93	0.82	0.96	0.96	0.89
13-Sep	0.72	0.80	0.51	0.77	0.81	0.65	0.81	0.85	0.64	0.86	0.88	0.73	0.91	0.93	0.78
20-Sep	0.73	0.79	0.57	0.77	0.81	0.63	0.79	0.81	0.69	0.83	0.84	0.80	0.89	0.88	0.92
27-Sep	0.84	0.86	0.73	0.88	0.89	0.84	0.89	0.89	0.83	0.91	0.92	0.83	0.95	0.96	0.90
4-Oct	0.77	0.81	0.63	0.83	0.86	0.69	0.85	0.86	0.78	0.91	0.92	0.79	0.92	0.92	0.94
11-Oct	0.76	0.85	0.48	0.82	0.89	0.50	0.84	0.90	0.52	0.86	0.93	0.43	0.92	0.95	0.59
18-Oct	0.69	0.75	0.55	0.75	0.82	0.56	0.80	0.85	0.58	0.86	0.88	0.76	0.90	0.93	0.62
25-Oct	0.73	0.80	0.53	0.80	0.83	0.68	0.85	0.87	0.72	0.89	0.89	0.87	0.93	0.92	0.99
1-Nov	0.69	0.75	0.55	0.77	0.82	0.60	0.79	0.83	0.62	0.85	0.88	0.68	0.90	0.93	0.65
8-Nov	0.70	0.78	0.52	0.76	0.81	0.62	0.81	0.84	0.72	0.87	0.87	0.89	0.91	0.92	0.84
15-Nov	0.68	0.72	0.60	0.76	0.74	0.80	0.80	0.80	0.79	0.89	0.89	0.91	0.93	0.93	0.99
22-Nov	0.61	0.73	0.43	0.70	0.77	0.53	0.73	0.79	0.59	0.80	0.81	0.74	0.88	0.89	0.81
29-Nov	0.66	0.70	0.57	0.75	0.79	0.62	0.80	0.82	0.74	0.85	0.85	0.81	0.90	0.90	0.86
6-Dec	0.65	0.75	0.46	0.70	0.78	0.50	0.74	0.81	0.53	0.84	0.86	0.71	0.89	0.91	0.67
13-Dec	0.67	0.72	0.56	0.73	0.74	0.71	0.77	0.77	0.79	0.85	0.84	0.94	0.93	0.92	0.99
20-Dec	0.59	0.64	0.51	0.69	0.77	0.51	0.76	0.80	0.63	0.82	0.85	0.68	0.90	0.90	0.86
27-Dec	0.67	0.76	0.48	0.77	0.82	0.57	0.82	0.86	0.61	0.87	0.91	0.57	0.93	0.94	0.79
3-Jan	0.67	0.74	0.51	0.76	0.78	0.72	0.80	0.79	0.83	0.86	0.84	0.93	0.91	0.91	0.99
10-Jan	0.70	0.75	0.59	0.78	0.80	0.70	0.82	0.84	0.76	0.87	0.87	0.85	0.93	0.92	0.99
17-Jan	0.61	0.73	0.43	0.71	0.76	0.59	0.75	0.78	0.67	0.80	0.83	0.71	0.88	0.90	0.76
24-Jan	0.68	0.73	0.57	0.78	0.82	0.64	0.81	0.81	0.80	0.87	0.85	0.96	0.92	0.92	0.99
31-Jan	0.63	0.72	0.48	0.72	0.77	0.58	0.76	0.80	0.63	0.85	0.87	0.77	0.93	0.91	0.99
7-Feb	0.65	0.71	0.53	0.71	0.75	0.63	0.75	0.78	0.65	0.84	0.86	0.71	0.92	0.94	0.65
14-Feb	0.63	0.72	0.48	0.71	0.78	0.55	0.77	0.79	0.71	0.82	0.83	0.76	0.89	0.90	0.75
21-Feb	0.64	0.69	0.54	0.73	0.77	0.61	0.77	0.81	0.63	0.85	0.87	0.73	0.93	0.93	0.83

Springfield, Tennessee (1981-2010)

1-week period beginning:	P(Wet) = 1 - P(Dry)			P(Wet/Dry) = 1 - P(Dry/Dry)			P(Wet/Wet) = 1 - P(Dry/Wet)								
	Wet greater than or equal to 0.01 inch			Wet greater than or equal to 0.05 inch			Wet greater than or equal to 0.10 inch			Wet greater than or equal to 0.25 inch			Wet greater than or equal to 0.50 inch		
	Dry	Dry/Dry	Dry/Wet	Dry	Dry/Dry	Dry/Wet	Dry	Dry/Dry	Dry/Wet	Dry	Dry/Dry	Dry/Wet	Dry	Dry/Dry	Dry/Wet
1-Mar	0.68	0.74	0.55	0.74	0.80	0.56	0.79	0.83	0.64	0.84	0.88	0.65	0.88	0.89	0.77
8-Mar	0.69	0.79	0.45	0.73	0.82	0.48	0.79	0.87	0.49	0.87	0.91	0.63	0.92	0.93	0.81
15-Mar	0.61	0.73	0.43	0.70	0.75	0.56	0.73	0.78	0.61	0.83	0.86	0.69	0.89	0.91	0.74
22-Mar	0.71	0.74	0.64	0.76	0.78	0.72	0.81	0.80	0.87	0.85	0.84	0.94	0.92	0.91	0.99
29-Mar	0.58	0.64	0.48	0.64	0.67	0.59	0.68	0.72	0.59	0.77	0.80	0.67	0.87	0.89	0.78
5-Apr	0.63	0.67	0.55	0.70	0.72	0.64	0.72	0.73	0.69	0.83	0.82	0.89	0.92	0.91	0.99
12-Apr	0.64	0.71	0.51	0.72	0.77	0.58	0.76	0.80	0.63	0.83	0.84	0.80	0.90	0.89	0.99
19-Apr	0.67	0.69	0.63	0.72	0.75	0.64	0.76	0.78	0.70	0.85	0.85	0.84	0.89	0.90	0.78
26-Apr	0.60	0.69	0.46	0.63	0.71	0.49	0.70	0.76	0.56	0.78	0.82	0.65	0.89	0.91	0.74
3-May	0.60	0.68	0.47	0.63	0.69	0.53	0.68	0.73	0.58	0.77	0.80	0.65	0.84	0.85	0.76
10-May	0.65	0.70	0.55	0.72	0.73	0.69	0.75	0.77	0.68	0.83	0.85	0.77	0.90	0.91	0.81
17-May	0.66	0.75	0.49	0.71	0.78	0.55	0.74	0.79	0.59	0.83	0.82	0.86	0.90	0.87	0.99
24-May	0.65	0.74	0.48	0.69	0.77	0.52	0.75	0.78	0.64	0.83	0.87	0.66	0.89	0.90	0.83
31-May	0.63	0.71	0.49	0.69	0.76	0.54	0.74	0.78	0.65	0.81	0.82	0.77	0.89	0.88	0.96
7-Jun	0.68	0.77	0.49	0.75	0.80	0.60	0.78	0.83	0.60	0.83	0.86	0.69	0.87	0.90	0.70
14-Jun	0.69	0.72	0.62	0.72	0.75	0.64	0.76	0.77	0.73	0.87	0.86	0.93	0.92	0.90	0.99
21-Jun	0.71	0.76	0.59	0.75	0.78	0.66	0.78	0.81	0.67	0.86	0.89	0.69	0.93	0.95	0.71
28-Jun	0.72	0.75	0.64	0.76	0.79	0.66	0.78	0.81	0.67	0.87	0.87	0.86	0.93	0.92	0.99
5-Jul	0.76	0.83	0.53	0.79	0.82	0.64	0.83	0.86	0.67	0.87	0.89	0.78	0.91	0.94	0.63
12-Jul	0.71	0.74	0.65	0.75	0.78	0.64	0.77	0.81	0.65	0.82	0.82	0.84	0.90	0.88	0.99
19-Jul	0.72	0.78	0.59	0.76	0.81	0.61	0.79	0.83	0.66	0.85	0.85	0.84	0.92	0.92	0.94
26-Jul	0.71	0.77	0.56	0.77	0.80	0.67	0.81	0.84	0.70	0.86	0.89	0.69	0.90	0.91	0.77
2-Aug	0.75	0.79	0.62	0.79	0.81	0.70	0.82	0.83	0.76	0.88	0.88	0.88	0.92	0.92	0.88
9-Aug	0.80	0.82	0.70	0.82	0.84	0.74	0.85	0.87	0.75	0.89	0.89	0.87	0.94	0.94	0.92
16-Aug	0.76	0.76	0.76	0.80	0.81	0.76	0.85	0.85	0.84	0.93	0.92	1.00	0.96	0.96	0.89
23-Aug	0.80	0.86	0.57	0.84	0.88	0.67	0.87	0.90	0.64	0.92	0.93	0.76	0.94	0.95	0.83
30-Aug	0.71	0.77	0.57	0.74	0.79	0.59	0.79	0.82	0.67	0.85	0.87	0.72	0.89	0.90	0.78
6-Sep	0.76	0.78	0.70	0.82	0.83	0.79	0.88	0.88	0.85	0.92	0.92	0.94	0.96	0.95	0.99
13-Sep	0.73	0.83	0.46	0.77	0.85	0.52	0.80	0.86	0.57	0.85	0.88	0.66	0.91	0.93	0.68
20-Sep	0.72	0.81	0.49	0.75	0.82	0.56	0.79	0.84	0.59	0.83	0.86	0.67	0.89	0.90	0.83
27-Sep	0.81	0.81	0.80	0.85	0.85	0.84	0.88	0.87	0.92	0.90	0.90	0.90	0.93	0.92	0.99
4-Oct	0.80	0.86	0.56	0.83	0.87	0.63	0.86	0.88	0.70	0.88	0.89	0.80	0.91	0.94	0.67
11-Oct	0.76	0.80	0.64	0.83	0.86	0.71	0.87	0.87	0.82	0.89	0.91	0.74	0.93	0.95	0.64
18-Oct	0.68	0.77	0.49	0.75	0.81	0.57	0.78	0.82	0.63	0.85	0.88	0.71	0.92	0.93	0.88
25-Oct	0.70	0.78	0.53	0.77	0.80	0.67	0.81	0.81	0.82	0.87	0.86	0.89	0.91	0.90	0.99
1-Nov	0.69	0.77	0.51	0.77	0.81	0.61	0.82	0.86	0.63	0.88	0.90	0.72	0.91	0.92	0.79
8-Nov	0.70	0.80	0.46	0.75	0.83	0.51	0.78	0.84	0.57	0.83	0.87	0.63	0.91	0.91	0.89
15-Nov	0.66	0.74	0.51	0.74	0.79	0.60	0.78	0.81	0.67	0.84	0.84	0.82	0.90	0.90	0.90
22-Nov	0.66	0.72	0.53	0.70	0.76	0.55	0.74	0.79	0.59	0.80	0.83	0.68	0.87	0.89	0.78
29-Nov	0.70	0.75	0.59	0.75	0.80	0.62	0.77	0.81	0.63	0.80	0.81	0.72	0.86	0.87	0.79
6-Dec	0.68	0.77	0.47	0.74	0.81	0.55	0.77	0.83	0.56	0.86	0.86	0.90	0.90	0.89	0.95
13-Dec	0.64	0.72	0.51	0.72	0.75	0.63	0.76	0.78	0.70	0.85	0.85	0.81	0.90	0.89	0.95
20-Dec	0.61	0.69	0.49	0.69	0.76	0.54	0.75	0.78	0.64	0.81	0.85	0.65	0.88	0.91	0.68
27-Dec	0.69	0.77	0.48	0.77	0.80	0.65	0.79	0.82	0.66	0.85	0.87	0.74	0.94	0.91	0.99
3-Jan	0.67	0.74	0.53	0.75	0.80	0.60	0.79	0.82	0.67	0.83	0.86	0.69	0.90	0.90	0.95
10-Jan	0.71	0.75	0.61	0.77	0.80	0.67	0.81	0.84	0.70	0.90	0.90	0.90	0.96	0.97	0.78
17-Jan	0.66	0.74	0.51	0.70	0.75	0.60	0.72	0.76	0.64	0.81	0.85	0.65	0.89	0.89	0.87
24-Jan	0.72	0.75	0.63	0.77	0.80	0.67	0.80	0.85	0.63	0.87	0.87	0.82	0.91	0.91	0.89
31-Jan	0.69	0.75	0.55	0.74	0.78	0.63	0.77	0.80	0.67	0.84	0.86	0.71	0.89	0.90	0.79
7-Feb	0.66	0.71	0.56	0.74	0.76	0.70	0.79	0.80	0.77	0.86	0.87	0.83	0.93	0.91	0.99
14-Feb	0.64	0.73	0.47	0.70	0.76	0.56	0.75	0.78	0.64	0.79	0.83	0.64	0.85	0.88	0.68
21-Feb	0.63	0.69	0.53	0.75	0.76	0.72	0.80	0.82	0.71	0.85	0.85	0.83	0.90	0.91	0.79