



NOAA's National Weather Service
Hydrometeorological Design Studies Center
 Precipitation Frequency Data Server (PFDS)



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NOAA ATLAS 14 POINT PRECIPITATION FREQUENCY ESTIMATES: TN

Data description

Data type: Units: Time series type:

Select location

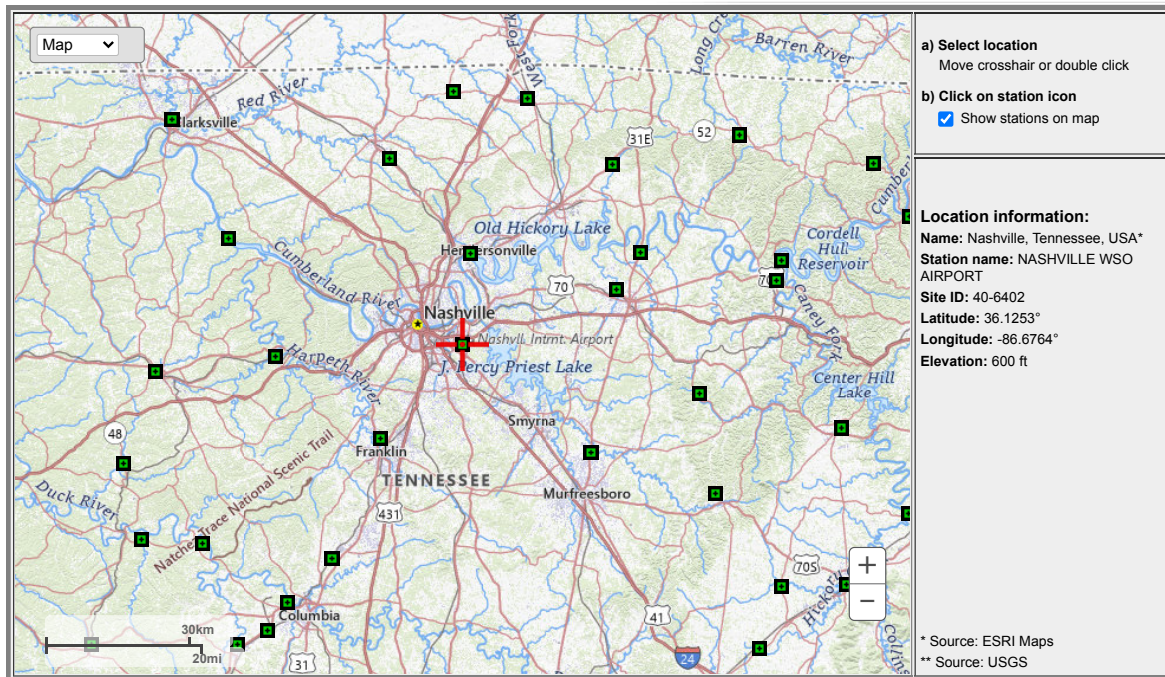
1) Manually:

a) By location (decimal degrees, use "-" for S and W): Latitude: Longitude:

b) By station (list of TN stations):

c) By address

2) Use map:



POINT PRECIPITATION FREQUENCY (PF) ESTIMATES

WITH 90% CONFIDENCE INTERVALS AND SUPPLEMENTARY INFORMATION
 NOAA Atlas 14, Volume 2, Version 3

PF tabular

PF graphical

Supplementary information

Print page

I. Document

[Click here](#) for this volume's document.

II. PF in GIS format

Spatially interpolated precipitation frequency estimates (with upper and lower bounds of the 90% confidence interval) area available in GIS compatible format (ascii file). For default download page [click here](#).

Average recurrence interval: Duration: Set:

III. PF cartographic maps

Cartographic maps of precipitation frequency estimates were created for selected average recurrence intervals and durations. We recommend that these color maps are used as visual aids only. For default cartographic maps' page [click here](#).

The NOAA Atlas 14 Volume 2 is divided into 5 zones (cartographic maps). See the [cartographic map zones](#) for details.

Average recurrence interval: Duration:

IV. Temporal distributions

Temporal distributions are provided for 6-hour, 12-hour, 24-hour, and 96-hour durations. The temporal distributions for the duration are expressed in probability terms as cumulative percentages of precipitation totals (see documentation for more information). To provide detailed information on the varying temporal distributions, separate temporal distributions were derived for four precipitation cases defined by the duration quartile in which the greatest percentage of the total precipitation occurred.

Duration:

V. Seasonality analysis

VI. Rainfall frequency estimates

Rainfall (liquid precipitation only) frequency estimates were not examined in Volumes 1 to 5 and so are not available for this state.

VII. Time series data

Annual maximum and partial duration time series precipitation data are available for download only for stations used in frequency analysis. The amounts provided are constrained amounts; to convert to unconstrained amounts that were used in frequency analysis please refer to the appropriate conversion factors in corresponding NOAA Atlas 14 document.

[Link to station's annual maximum series file.](#)

[Link to station's partial duration series file.](#)

VIII. Climate data source

Precipitation frequency results are based on data from a variety of sources, but largely from the National Centers for Environmental Information - NCEI (formerly National Climatic Data Center - NCDC). For more information about observing sites in the area, regardless of if their data was used in this study, please visit [NCEI's Climate Data Online](#).

For detailed information about the stations used in this study, please refer to [NOAA Atlas 14 Document](#).

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US Department of Commerce
National Oceanic and Atmospheric Administration
National Weather Service
Office of Water Prediction (OWP)
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