

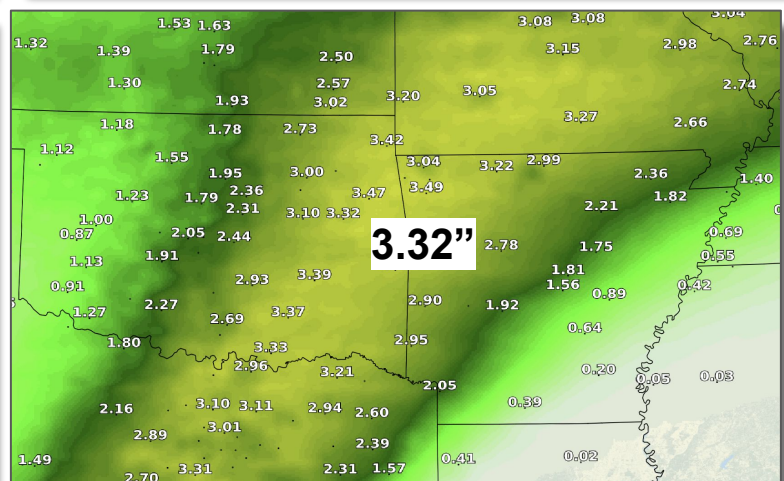
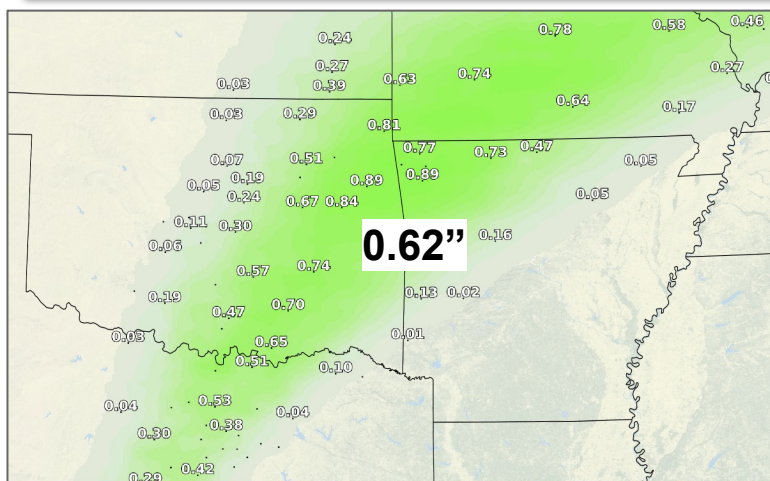
Exceedance Probability and Non-Exceedance Probability Quick Reference Guide

10th Percentile Product

- 10% chance of **NOT** exceeding this value (**Non-Exceedance Probability**)
- 90% chance of exceeding this value (**Exceedance Probability**)

90th Percentile Product

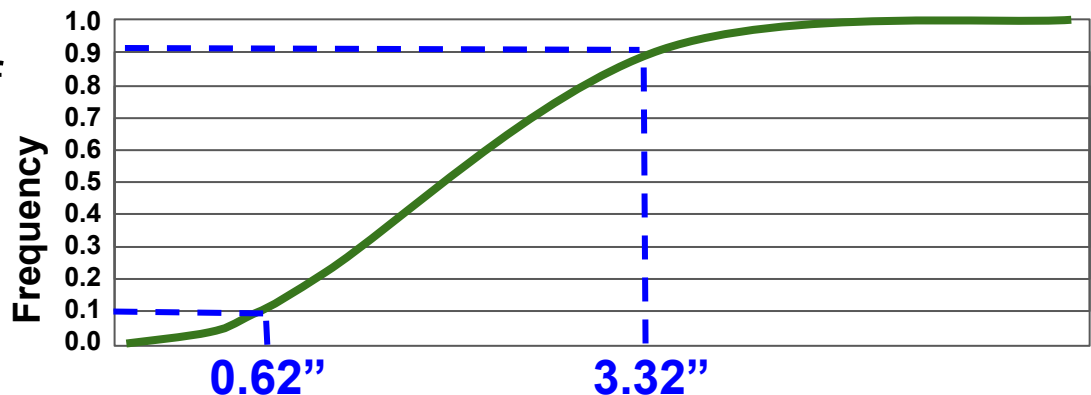
- 90% chance of **NOT** exceeding this value (**Non-Exceedance Probability**)
- 10% chance of exceeding this value (**Exceedance Probability**)



At Fort Smith, Arkansas over this time period, the NBM percentile products indicate there is a 10% chance of **not** exceeding 0.62" of precipitation, and a 90% chance of **not** exceeding 3.32" – the **non-exceedance probabilities**.

This is equivalent to a 90% chance of exceeding 0.62" of precipitation and a 10% chance of exceeding 3.32" – the **exceedance probabilities**.

Possible CDF of the underlying data



Forecasting Guide: [sites.google.com/noaa.gov/nws-fdtd/guide](https://www.noaa.gov/nws-fdtd/guide)

NOAA/NWS Forecast Decision Training Division, Boulder, CO

