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Public Information Statement 25-53
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From: Geoff Manikin
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Subject: Soliciting comments on the proposed thinning of percentile data for the next implementation of the National Blend of Models (NBM) through October 6, 2025

Through October 6, 2025, the National Weather Service (NWS) is soliciting comments on the proposed thinning of percentile data for the next implementation of the National Blend of Models (NBM), planned for Spring 2026. The NBM currently provides all percentiles (1-99) for its Maximum/Minimum Temperature, Wind, and Quantitative Precipitation, while Snow and Ice percentile products are limited to the 5th, 10th, 25th, 50th, 75th, 90th, and 95th percentiles. Additional percentile data will be computed for multiple new and existing parameters in Version 5.0. This means that the footprint of NBM probabilistic products will grow substantially in the next version, and the continued generation and dissemination of full (1-99) percentile distributions is untenable. For this reason, it is proposed to limit the number of NBM percentiles disseminated for each relevant parameter, reducing the data to more than every fifth percentile, 5th through 95th. Users will also be provided the maximum and minimum values of each probabilistic product's cumulative distribution function (CDF) to assist with Impact-based Decision Support Services (IDSS). The minimum and maximum values will be labeled as the 0th and 100th percentiles, respectively. This proposed change applies to the distribution of NBM percentile data on all platforms.

If you have comments regarding these changes, please contact:

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