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From: Dave Novak
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Subject: Soliciting Comments on the Experimental Enhanced Version of the National Weather Service Extreme Precipitation Monitor (EPM) through July 30, 2021

The National Weather Service (NWS) is soliciting comments on the Experimental Enhanced Extreme Precipitation Monitor (EPM) through July 30, 2021.

The NWS National Centers for Environmental Prediction (NCEP) Weather Prediction Center (WPC) has been issuing this product operationally since 2018:

https://www.wpc.ncep.noaa.gov/qpf/epm/extreme_precip_monitor.php

The current version highlights the rarity of the WPC deterministic precipitation forecast (6-hour and 24-hour rainfall amounts).

Three new features are being proposed to be added in the enhanced version:

- 1) The rarity of the WPC deterministic precipitation forecast for 72-hour rainfall amounts.
- 2) Display of the rarity of the WPC probabilistic 90th percentile precipitation forecast (6-hour, 24-hour, 72-hour rainfall amounts).
- 3) Display of the WPC deterministic one inch rainfall contour to direct focus to areas of higher precipitation amounts.

The climatological significance is represented by Average Recurrence Intervals (ARIs) and Annual Exceedance Probabilities of precipitation estimates from the NOAA Atlas-14 and Atlas-2.

To see these proposed changes in the EPM, please use this link:

https://www.wpc.ncep.noaa.gov/qpf/epm_exper/epm/extreme_precip_monitor.php

Additional information regarding the EPM may be found in the Product Description Document (PDD) at the link:

https://nws.weather.gov/products/PDD/PDD_ProposedEnhancement_ExtremePrecipitationMonitor_2021.pdf

Comments may be submitted via the survey link below:

<https://www.surveymonkey.com/r/EnhancedExtremePrecipitationMonitor>

For additional comments or questions, please contact:

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