

SSHP Advancements

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The Site Specific (SSHP) model used at the local Weather Forecast offices is designed for headwaters application. However it is a major step forward towards bringing sophisticated data management tools normally associated with the complex National Weather Service River Forecast System into the Weather Forecast Office environment. Recent additions such as Q2, the National Mosaic and Quantitative Precipitation Estimation system, and VAR, the Variational Assimilation that can dynamically adjust model states, can help improve the performance of SSHP. This presentation highlights these recent technological advancements in SSHP, and attempts to demonstrate how SSHP can be a powerful situational awareness tool to assist in Flood Watches, Areal Flood Warnings, and Specific Flood and Flash Flood Warnings.