

WSSI: Science and Technology Updates

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The Winter Storm Severity Index (WSSI) is an operational forecast product available from the Weather Prediction Center (WPC). Its algorithms combine weather forecast data with climatological and non-meteorological data to produce an easily consumable graphic depicting the anticipated societal impacts of impending winter storm hazards (e.g., snow, ice). The WSSI is receiving a major operational update on March 17, 2025. This update is a complete reworking of the WSSI system and features updates to all of the components of the WSSI: Snow Amount, Snow Load, Ice Accumulation, Blowing Snow, Ground Blizzard, and Flash Freeze. Details about the new science featured in the update will be presented.