

Welcome to AMS News You Can Use. Each week, we send out a sampling of recent news and items of interest in meteorology and related fields, as covered by various media outlets.

February 4, 2020

News

[Researchers fly radar above Black Hills to measure snow, predict streamflow](#)

February 3, 2020 - EurekAlert!

It's a new effort to use airborne radar to measure snow depths and predict how much melting water will fill area streams and rivers.

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[Everything You Need to Know About Apple's Secret Satellite Project](#)

February 2, 2020 - Popular Mechanics

If Apple really is building its own satellites, that could mean faster transmission of maps data and iMessages, too.

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['Great' Space Super Storms Take Place About Once Every 25 Years, Study Finds](#)

January 30, 2020 - Newsweek

Over the last 150 years, "great" space weather super-storms — which can cause significant disruption on Earth — have occurred once every quarter century on average, research suggests.

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[Researchers Leverage Machine Learning to Improve Forecasting Tools](#)

January 29, 2020 - WeatherNationTV

NOAA and cooperative institute researchers are leveraging machine learning techniques and high-resolution weather models in an effort to improve these tools.

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[NSF's newest solar telescope produces first images, most detailed images of the sun](#)

January 29, 2020 - Phys.org

NSF's Inouye Solar Telescope will enable a new era of solar science and a leap forward in understanding the sun and its impacts on our planet.

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[Ocean Satellite Renamed for Noted NASA Scientist](#)

January 29, 2020 - Geek.com

A joint U.S.-European space mission to study the effects of global warming on the world's oceans has a new name to honor NASA's Michael Freilich.

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[The SPC Will Soon Make It Easier To See Tomorrow's Severe Storm Threat](#)

January 29, 2020 - Forbes

The Storm Prediction Center will soon begin issuing granular forecasts that outline the risk for tornadoes, damaging winds, and large hail one day in advance, giving us a better idea today of the risk for severe weather tomorrow.

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[Hurricane experts should look to the water, not the wind for accurate predictions, new study says](#)

January 29, 2020 - Phys.org

A new study indicates that meteorologists should shift their attention from a hurricane's maximum sustained wind to the "minimum sea level pressure" when calculating risk for residents during hurricane season, according to the Department of Atmospheric Science at Colorado State University.

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[Air Force taps Applied Technology Associates and Teledyne Brown to produce space weather sensors](#)

January 29, 2020 - SpaceNews

The U.S. Air Force awarded contracts to Applied Technology Associates and Teledyne Brown Engineering to manufacture satellite instruments to detect Energetic Charged Particles (ECPs).

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