

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.

[Jupiter and Saturn's great conjunction captured in stunning images](#)

CNN - December 22, 2020

The two largest planets in the solar system were just 0.1 degrees apart, or about one fifth of the diameter of the full moon, according to the Royal Astronomical Society in the United Kingdom.

[The top 10 weather and climate events of a record-setting year](#)

Yale Climate Connections - December 21, 2020

In an all-around bizarre and largely unpleasant calendar year, extreme weather and climate-related changes contributed to the woes of 2020.

[A Machine-Learning Assist to Predicting Hurricane Intensity](#)

WeatherNation - December 17, 2020

Accurately predicting whether a hurricane will undergo rapid intensification – where wind speeds increase by 35 mph (56 kph) or more within 24 hours – is incredibly difficult. But researchers led by scientists at NASA's Jet Propulsion Laboratory in Southern California have used machine learning to develop an experimental computer model that promises to greatly improve the accuracy of detecting rapid-intensification events.

[Mild Conditions May Prevail Across Much of U.S. for First Three Months of 2021](#)

The Weather Channel - December 16, 2020

Temperatures across much of the United States will be milder than average for the remainder of winter and into the start of spring, according to the latest outlook issued by The Weather Company, an IBM Business.

[How climate change is affecting winter storms.](#)

The New York Times - December 17, 2020

Although winters are becoming warmer and somewhat milder over all, extreme weather events have also been on the increase, and especially in the Northeastern United States, as Dr. Cohen pointed out in a recent paper in the journal Nature Climate Change.

[Satellite tracks intense winter snowstorm across US East Coast](#)

Space.com - December 17, 2020

Satellites in orbit have captured stunning views of the powerful Nor'easter that dropped snow on a wide swath of the U.S. Northeast on Wednesday and Thursday (Dec. 16-17).

90 Years of Our Changing Views of Earth

NASA - December 21, 2020

Indirect evidence of the Earth's spherical shape has existed for a long time, but the photographic proof was lacking until well into the 20th century.

Mystery solved: new study shows link between hot and dry weather and air quality in Korea

EurekAlert! - December 15, 2020

Scientists demonstrate ground-level ozone concentrations have risen alongside the increasingly frequent spells of dry tropical weather.

AI model shows promise to generate faster, more accurate weather forecasts

ScienceDaily - December 15, 2020

A model based solely on the past 40 years of weather events uses 7,000 times less computer power than today's weather forecasting tools. An A.I.-powered model could someday provide more accurate forecasts for rain, snow and other weather events.

Company deploys sensors over half the world's oceans to improve weather forecasts

The Washington Post - December 18, 2020

Sofar Ocean is an example of new, private-sector weather platforms that could help companies and governments improve forecasts.

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Weather Eye with John Maunder --- seasonal poetry

<https://www.sunlive.co.nz/blogs/15238-in-bleak-midwinter.html>

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