

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.

[Using satellites and AI, space-based technology is shaping the future of firefighting](#)

NBC News - July 24, 2021

New programs are being developed by startups and research institutions to predict fire behavior, monitor drought and even detect fires when they first start.

[Why is the sun red? Wildfire smoke from a continent away spreads to New York.](#)

The New York Times - July 20, 2021

New York City awoke on Tuesday to a view of the Western wildfires: a red sun in the sky.

[Climavision Is Taking On Big Weather With AI](#)

Forbes - July 20, 2021

A new weather tech startup says it has created a new artificial intelligence (AI)-powered weather radar and satellite network to take on big weather.

[China's carbon-monitoring satellite reports global carbon net of six gigatons](#)

EurekAlert! - July 23, 2021

About six gigatons -- roughly 12 times the mass of all living humans -- of carbon appears to be emitted over land every year, according to data from the Chinese Global Carbon Dioxide Monitoring Scientific Experimental Satellite (TanSat).

[NOAA Debuts New Space Weather Model](#)

WeatherNation - July 21, 2021

NOAA's newest computer model is now operational and will help improve understanding of space weather events in addition to improving space weather forecasts.

[A history of African dust](#)

Phys.org - July 22, 2021

In a recently published paper, a research team, led by University of Miami (UM) Rosenstiel School of Marine and Atmospheric Science Professor Emeritus Joseph M. Prospero, chronicles

the history of African dust transport, including three independent "first" discoveries of African dust in the Caribbean Basin in the 1950s and 1960s.

Clouds have an amplifying effect on global warming

Earth.com - July 21, 2021

For climatologists, one of the biggest unknowns in predicting anthropogenic climate change is the effect of clouds. Now, a new study led by researchers at Imperial College London suggests that cloud feedback amplifies global heating.

Climate change to bring more intense storms across Europe

ScienceDaily - July 16, 2021

Investigating how climate affects intense rainstorms across Europe, climate experts have shown there will be a significant future increase in the occurrence of slow-moving intense rainstorms.

¡Alerta! Variations in Spanish dialects complicate emergency messaging

The Washington Post - July 24, 2021

Meteorologists call to standardize Spanish advisory terms for weather-related emergencies.

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Weather Eye with John Maunder

<https://www.sunlive.co.nz/blogs/15841-polar-bears-increasing-or-decreasing.html>

<https://www.sunlive.co.nz/blogs/15820-tropospheric-temperatures-january-1979-to-june-2021.html>

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