

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.

### New Ground-Breaking Satellite Mission Plans Underway

WeatherNation - January 11, 2021

Within the last decade, significant improvements have been made to our Geostationary Operational Environmental Satellites (GOES), watching over the Western Hemisphere from 22,300 miles above the Earth.

### A Model that Predicts the Spread of Wildfire Smoke Becomes Operational

NOAA - January 8, 2021

HRRR-Smoke is the first weather forecast model in the U.S. to include smoke's impact on weather, and it has been operating experimentally out of NOAA's Global Systems Laboratory in Colorado since 2016.

### Nasa satellite images show how the climate crisis is transforming the planet

The Independent - January 9, 2021

Before-and-after pictures show impact of floods, fires and melting ice.

### 2020 Shatters Billion Dollar Weather Disasters Record - Why It Matters To Biden's Secretary Of Commerce

Forbes - January 9, 2021

The National Oceanic and Atmospheric Administration (NOAA) announced that 2020 shattered the record for weather-climate disasters exceeding a billion dollars in damage coast.

### The Sun in 2020: 366 Daily Images by ESA's Proba-2 Satellite

SciTechDaily - January 7, 2021

These 366 images of the Sun were made by ESA's Proba-2 satellite in 2020. This satellite is continuously monitoring the changing activity of the Sun. One image was selected to represent each day of the year (including leap day February 29 in 2020).

### Farewell, Alex: Our Favorite 'Jeopardy!' Weather Clues of All-Time

The Weather Channel - January 7, 2021

Weather and meteorology have occasionally been featured on the show during its 37-year run, and one of the show's most successful contestants also happens to be the current Colorado state climatologist.

#### 2020 U.S. billion-dollar weather and climate disasters in historical context

NOAA - January 8, 2021

NOAA's National Centers for Environmental Information (NCEI) has released the final 2020 update to its Billion-dollar disaster report, officially confirming what communities across the nation experienced first-hand: 2020 was a historic year of extremes.

#### Five 2020 Weather Events You May Not Have Heard About

Forbes - January 8, 2021

Last year, the U.S. saw its share of devastating and destructive weather. Many of these events didn't make the national headlines but had major impact on the regions where they occurred and deserve to be recognized.

#### Broadcast Meteorologist of the Year Award being renamed in honor of June Bacon-Bercey

WGRZ - January 11, 2021

Bacon-Bercey, who got her start at WGRZ, was the first African-American woman to receive a degree in meteorology.

#### The polar vortex is about to split in two. But what does that actually mean?

Popular Science - January 11, 2021

This might spell a snowy January for the US. Or not.

#### Extreme weather from the stratosphere

Phys.org - January 11, 2021

ETH climate researcher Daniela Domeisen has documented how the stratosphere influences extreme weather events. What surprised her was the sheer range of potential impacts. She explains what this means for climate research and long-term weather forecasts.

#### Women and minorities in weather and climate fields confront harassment, lack of inclusion

The Washington Post - January 9, 2021

The American Geophysical Union (AGU) and the American Meteorological Society (AMS), among other prominent scientific organizations, began crafting policy statements, holding workshops and discussing tough new sanctions for unprofessional conduct and discrimination within their own memberships early last year.

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Weather Eye with John Maunder

<https://www.sunlive.co.nz/blogs/15262-tauranga-average-afternoon-temperatures-december-19132020.html>

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