

New Zealand weather and climate news

Courtesy of MetService library

MetService mentions

Canterbury flooding now classed as a one in 200-year event

Insurance Business New Zealand

... the likelihood of more 'extreme' **weather** has increased due to climate change. ... Read more:
Kiwi **insurers** extend support for residents affected by ...

Fog covers Christchurch: Motorists warned to be careful, flights cancelled

Otago Daily Times

MetService is predicting temperatures will reach 17 deg C in Christchurch on Tuesday. It is forecasting low cloud and possible drizzle from late ...

MetOcean

New Website Puts Aotearoa New Zealand On The Ocean Science Map

The New Zealand National Commission for UNESCO has developed a new website - www.tetiniatangaroa.org.nz – which showcases the outstanding work currently taking place in Aotearoa New Zealand and the Pacific in the ocean science space. The website has been developed to highlight ...

Why Indigenous knowledge should be an essential part of how we govern the world's oceans

Our moana (ocean) is in a state of unprecedented ecological crisis. Multiple, cumulative impacts include pollution, sedimentation, overfishing, drilling and climate change. All affect the health of both marine life and coastal communities.

WMO

Burza-Alert 1.0 – a new service for forecasting and monitoring storms in Poland from IMGW-PIB

MGW-PIB launches a special storm service on the meteo.imgw.pl platform, in which forecasts of lightning and storm phenomena prepared by meteorologists will be published. The forecasts presented for...

WMO Executive Council meets

Posted:

The World Meteorological Organization's Executive Council meets in virtual session from 14 to 25 June, with a focus on strengthening and scaling up weather, climate, water and environmental-related...

Extreme weather (and other news) – Australia and the Pacific

Beyond Victims And Saviours – Sustainability In The Pacific

With islands already being inundated, Pacific nations can be seen as some of the first victims of climate change and rising sea levels, as well as worthy and urgent beneficiaries of global attempts to achieve the United Nations internationally-agreed ...

Victorian flood disaster declared a catastrophe by **insurance industry**

PerthNow

... into the tens of millions of dollars with more than 6500 claims already lodged with **insurance** companies since last Wednesday's **weather** event.

International news and research

Met Office launches search for the next storm names

Met Office

The **Met Office** is searching for the next round of names ahead of the next storm season, and the UK public are once again being asked for their input.

More than a bumpy ride: Turbulence offers boost to birds

Posted: 14 Jun 2021 03:55 PM PDT

By combining wind speed data with the measured accelerations of a golden eagle outfitted with GPS tracking instruments, researchers suggest that, rather than hindering flight, turbulence is a source of energy that birds may use to their advantage.

Boundary of heliosphere mapped

Posted: 14 Jun 2021 12:39 PM PDT

For the first time, the boundary of the heliosphere has been mapped, giving scientists a better understanding of how solar and interstellar winds interact.

Scientists expose the cold heart of landfalling hurricanes

Posted: 14 Jun 2021 10:12 AM PDT

Fearsome and powerful, hurricanes can wreak massive destruction when they hit land. But while most hurricanes then weaken, others can strengthen again into extratropical cyclones and caused further damage inland. Now, researchers have used simulations to uncover the presence of a cold core inside decaying hurricanes - an unexpected discovery that could help forecasters predict the level of extreme weather that communities farther inland may face.

French scientists investigate rise in Alpine snow turning red

French scientists have recorded a rise in Alpine snow turning from white to pinkish red, warning the colour shift could be a marker of accelerating climate change.

Indian Cities Prepare for Floods with Predictive Technology

Eos

“When the model receives a weather forecast from the National Centre for Medium Range **Weather Forecasting**, it will search and find the closest ...

Microsoft advised on Met Office supercomputer project by Bristol-based law firm

Business Live

Microsoft advised on Met Office supercomputer project by Bristol-based law firm. The **weather forecasting technology** is expected to be the most ...

Steven Miller named new director of Cooperative Institute for Research in the Atmosphere

Source

Partnerships with the **Aviation Weather** Center, the National Hurricane Center and NOAA offices have flourished, along with programs in education and ...

Weather companies

Spire Announces New Maritime **Weather** Solutions Portfolio

The Spire **Weather** team has added 10 years of historical **weather** data from ... Reliable **weather** forecasts allow businesses to improve planning and ... and **insurance**, oil and gas, government and security, and the environment.

Hillridge launches **weather** parametrics with Mitsui Sumitomo & Victor

Artemis.bm

Hillridge Technology Pty Ltd, an Australian software technology **company** that aims to help users address the climate protection gap, has launched a ...

Norway's Automasjon receives Nefco financing to provide meteorological **data** for offshore wind ...

marketscreener.com

Advanced **weather forecasting** models provide early warnings, ensure safe operation of offshore equipment and increase the operational time of wind ...

Aviation

Artificial Intelligence is Changing The future of Air Transportation

ELE Times

Adverse **weather conditions** like wind—which is what Researcher's lab will ... New **aircraft** types— electrification in **aviation**, AI and machine learning ...

Climate change / global warming

The problem of racism towards Pasifika within climate change

In New Zealand, youth climate change movement School Strike 4 Climate Auckland has declared itself as racist, and disbanded, but young activists say going silent is not the answer.

UK Climate Risk Firm - Urgentem - Announces Expansion To New Zealand

New Zealand recently became the first country to introduce a law that will require banks, insurers and investment managers to report the impacts of climate change on their business. Disclosures will be mandated beginning 2022, once the law is passed.

History

Canada's ninth deadliest tornado hit Laval, Quebec in 1892

The Weather Network US

On this day in weather history, a deadly tornado hit Quebec. Listen to The **Weather Network's** This Day in Weather History podcast on this topic, here.

Lightning

Lightning impacts edge of space in ways not previously observed

Posted: 14 Jun 2021 03:55 PM PDT

A team of researchers working with data collected by an Incoherent Scatter Radar (ISR) have examined the simultaneous impacts of thunderstorms and solar flares on the ionospheric D-region (often referred to as the edge of space).

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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.

Scientists expose the cold heart of landfalling hurricanes

ScienceDaily - June 14, 2021

Fearsome and powerful, hurricanes can wreak massive destruction when they hit land. But while most hurricanes then weaken, others can strengthen again into extratropical cyclones and caused further damage inland.

[Solar eclipse from space! See satellite view of moon casting its shadow on Earth](#)

Space.com - June 10, 2021

A satellite captured the moon casting its shadow on Earth during the annular solar eclipse early Thursday (June 10) morning.

[Satellite Observations Show Marine Clouds Amplify Global Warming](#)

SciTechDaily - June 12, 2021

A new analysis of satellite cloud observations finds that global warming causes low-level clouds over the oceans to decrease, leading to further warming.

[Nobody knows exactly how tornadoes form — and the mystery can be deadly](#)

Vox - June 8, 2021

Tornado warnings often come minutes before disaster. Here's what's standing in the way of better forecasts.

[Satellites Capture Images of Huge Dust Storm Heading to the Americas](#)

Gizmodo - June 8, 2021

It's the latest dusty curtain to make the transatlantic trek.

[NASA snow campaign wraps for 2021](#)

Phys.org - June 15, 2021

As the last snow melts, NASA's SnowEx teams are packing up the snowshoes, skis, and scientific instruments they've used all winter to study snow in mountains and prairies. Now, they're turning their attention to a different kind of mountain—all of the data they collected.

[Study About Storms and Rainfall on O'ahu To Improve Water Management](#)

Maui Now - June 14, 2021

To help inform future water management decisions in Hawai'i, researchers published the first study in the state that characterizes the frequency of several atmospheric disturbance types and the associated magnitude of rainfall on O'ahu.

No severe tornadoes hit the U.S. this May for first time on record

The Washington Post - June 12, 2021

There weren't any twisters rated more than a 2 on the 0-to-5 scale for tornado damage.

How Severe Is the Western Drought? See For Yourself.

The New York Times - June 11, 2021

An intense drought is gripping the American West. Extreme conditions are more widespread than at any point in at least 20 years, according to the U.S. Drought Monitor, the government's official drought-tracking service.

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