

New Zealand weather and climate news

Courtesy of MetService library

MetService mentions

Warm temperatures continue across country but rain expected

Stuff.co.nz

MetService predicted between 60 to 80mm of rain to accumulate. Christchurch's warm weather is set to continue on Monday with a high of 25C predicted ...

The wet that was, the warm that will be

SunLive

“This event produced heavy rain that was very localised for some areas," says MetService meteorologist Tui McInnes. "A weather station in Napier City ...

Country warming up after stormy midweek; mid to high 20s expected in eastern areas

Stuff.co.nz

MetService is forecasting a sunny 24C on Saturday for the city, and apart from a period of afternoon rain on Monday it is expected to stay dry for the ...

MetOcean

Love waves from the ocean floor

Posted: 13 Nov 2020 07:37 AM PST

Supercomputer simulations of planetary-scale interactions show how ocean storms and the structure of Earth's upper layers together generate much of the world's seismic waves. Decoding the faint but ubiquitous vibrations known as Love waves could yield insights about Earth's storm history, changing climate and interior.

E-platform warns of rogue waves and strong winds

Riviera Maritime Media

Noveltis has introduced a weather forecasting solution that provides ... of rogue waves and fine-scale meteorological and oceanographic data”.

WMO

World's deadliest tropical cyclone was 50 years ago

It is the 50th anniversary of Cyclone Bhola, the world's deadliest known tropical cyclone which killed up to 500 000 people in what is now Bangladesh. It prompted calls for action to prevent a repeat...

Volcano alert/watch

Whakaari/White Island: Alert level raised as ash, dark plumes seen for first time this year

New Zealand Herald

Ash and dark plumes can be seen coming from Whakaari/White Island for the first time this year - showing a greater level of unrest at the surface of the ...

Extreme weather (and other news) - Antarctica and offshore

Atmospheric rivers help create massive holes in Antarctic sea ice

Posted: 11 Nov 2020 11:44 AM PST

Warm, moist rivers of air in Antarctica play a key role in creating massive holes in sea ice in the Weddell Sea and may influence ocean conditions around the vast continent as well as climate change, according to new research.

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

'Unusual' Antarctic polar vortex could mean cold wet Aussie summer

9News

According to Weatherzone meteorologist Ben Domensino, the day-to-day ... Meteorologists have warned unusual activity in Antarctica is impacting ...

Sydney faces heightened flood risk over summer, BOM and emergency services warn

If last summer was defined by devastating bushfires, the Bureau of Meteorology and emergency services are warning that floods and storms are the weather patterns to watch out for in the coming months.

International news and research

More Than Just TV: A Meteorologist's Role in Lawsuits

Spectrum News NY1

Meteorologists aren't just on television; in fact, meteorologists can provide ... Meteorological investigations are a niche area of meteorology (where ...

Aviation

Cathay Pacific to resume passenger flights between Auckland and Hong Kong

Cathay Pacific will resume passenger flights between Auckland and Hong Kong from November 27.

Business/Insurance

What is the key challenge facing Australian insurance?

Insurance Business Australia

“We've faced a hardening of the market as insurers sought a return to profitability, we had significant weather events throughout 2019 and early 2020 ...

IAG welcomes State of the Climate report

Insurance Business Australia

This is something we observed in the second edition of our Severe Weather in a Changing Climate report,” Leplastrier said. “The trends we're seeing ...

Communications/social media

NextGen TV Could Have Its Biggest Impact on Weather Forecasting

TV Technology

“ATSC 3.0 can be the backbone of weather and weather innovation,” said Mark Taylor, a technologist with MyRadar and a strategic advisor to the ..

Emergency services / preparation

Napier flood: Tick of approval for emergency management reforms

The government says early reforms brought in to improve emergency management are proving their worth as borne out in the Napier flooding this week.

Farming/horticulture/Aquaculture

How on-farm weather data can improve crop management

FarmersWeekly

Available direct from suppliers, such as Sencrop, Metos and Davis, or via distribution **companies** including Agrovista, Agrii and Hutchinsons, the number ...

Health

A framework for research linking weather, climate and COVID-19

Posted:

A framework for research linking weather, climate and COVID-19 has been published in Nature Communication. The paper follows the WMO co-sponsored Virtual Symposium on Climatological, Meteorological...

Hydrology / Flooding

1.47 billion people face flood risk worldwide: for over a third, it could be devastating

Flooding is one of the most common and severe hazards disrupting people's lives and livelihoods around the world. Floods often cause unmitigated damage and suffering, especially in lower income countries where infrastructure systems – including drainage and flood protection – tend to be less developed. While countries at all levels of development face flood risk, the vast majority of the world's flood exposed people – 89% – live in low- and middle- income countries. Critically, it is not only major, more infrequent floods, but also smaller, frequent events that can reverse years of progress in poverty reduction and development.

Innovation and technologies and AI

O&R, Central Hudson, UAlbany partner to develop weather forecasting tool

Mid-Hudson News

... a new weather forecasting tool that will provide real-time predictions on storm outages, electrical load, and renewable energy generation. That data ...

Lightning

NM Tech Scientists featured on Australian news network for lightning research

KRQE News 13

The two went to Australia to get a better understanding of why lightning strikes what it strikes. Dr. Richard Sonnenfeld and his student Daniel Jensen ...

Lightning 'superbolts' can be 1000 times brighter than ordinary flashes, study finds

Washington Post

... team examined two years' worth of data from the GOES weather satellites, ... A look at the lightning “megaflash” and satellite image of the storm that ...

Have you ever seen lightning in slow motion? These US experts explore a striking subject in the ...

ABC News

Have you seen the rare 'ball lightning'? During his Australian trip a conversation with a geologist inspired Professor Sonnenfeld to begin a side project.

Woman driving in freak thunderstorm is killed when huge tree falls onto her Toyota SUV and her ...

Daily Mail

More than 300,000 lightning strikes were recorded across South Australia in the 24 hours up to Wednesday night, according to the Bureau of ...

Transport/roading/shipping/freight

How Location-Specific Weather Forecasts Boost Efficiencies For Ports And Terminals

Forbes

Extreme **weather conditions** can dramatically impact safe and timely **shipping** operations and here in the U.S. LNG ports and terminals located along ...

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