

## **New Zealand weather and climate news**

### **Courtesy of MetService Library**

**(MetService focus)**

#### **[Islands of the lost heritage](#)**

Historic buildings on [a far-flung island](#) are crumbling to ruin after two decades of cost-cutting.

The sad state of a [World War II Coastwatchers](#) camp and a mothballed meteorological station has led to pleas to save Campbell Island/Motu Ihupuku's heritage structures.

#### **[Snow on skifields, more expected](#)**

Winter has come slightly early for southern skifields.

Cardrona, Treble Cone and The Remarkables all woke to find fresh snow on the mountains yesterday — and a forecast indicating more is coming.

#### **[Weather: Heavy rain heading north to Wellington and New Plymouth as snow falls in south](#)**

New Zealand Herald

**MetService** earlier warned that thunderstorms were likely and, as a result, a severe thunderstorm watch is in force. A heavy rain warning remains over ...

#### **[Mini-tornado hits Nelson along with heavy rain and wild weather](#)**

Stuff.co.nz

**MetService** confirmed that conditions in the “very active band” of weather were enough to cause tornadoes, though none were significant enough to be ...

#### **[West Coast cops wild weather](#)**

Otago Daily Times

**MetService** said a heavy warning continues for Westland, south of Otira, with up to 70mm of rain forecast until mid this afternoon. A heavy rain watch is ...

#### **[Front bringing thunderstorms; chance of large hail, tornadoes for western South Island](#)**

Stuff.co.nz

**MetService** meteorologist Tui McInnes said the front moved onto the South Island on Monday afternoon and “ramped up” overnight as it moved up the ...

### [\*\*Snow at southern skifields, wild weather on West Coast\*\*](#)

Otago Daily Times

Meanwhile, 541 lightning strikes have been recorded near or over the West Coast since Monday, **MetService** said. A band of rain in the deep south is ...

### [\*\*First flurries of snow for southern ski fields\*\*](#)

Stuff.co.nz

According to **MetService** data, the last snowfall at the skifield was September last year. Further south, popular ski areas in Queenstown and Wānaka ...

### [\*\*Snow wonder: Southern ski fields buzzing with early dumping\*\*](#)

Winter has come slightly early for southern ski fields.

Cardrona, Treble Cone and The Remarkables all woke to find fresh snow on the mountains yesterday — and a forecast indicating more is coming.

### [\*\*Weather: Wet and windy week forecast as westerly hits New Zealand\*\*](#)

Newshub

**MetService** forecasts this week won't be as warm and muggy as the last and many western areas will bear the brunt of the cold weather.

### [\*\*Hawke's Bay misses bad weather, mostly fine and dry this week\*\*](#)

New Zealand Herald

Along with Gisborne, Hawke's Bay is one of the "nice and dry" places this coming week, **MetService** meteorologist Tui McInnes said. "It's actually quite ...

### [\*\*Very dry conditions grip region\*\*](#)

Water carriers are delivering up to eight truckloads of water a day as areas of East Otago experience extremely dry conditions.

Niwa's most recent New Zealand Drought Index map showed widespread dry to very dry conditions had taken hold across Otago and Eastern Southland.

### [East Coast farmers desperate for rain, support as dry conditions drag on](#)

Parts of the east coast of the country are so dry farmers are worried they'll run out of feed before winter.

Stuff.co.nz

... rise to the late twenties in parts of the East Coast on Sunday, and warmer weather across the country, **MetService** forecaster Gerard Bellam said.

### [Classic autumn weather for humid Hawke's Bay to continue](#)

New Zealand Herald

... on Sunday, and **MetService** meteorologist Amy Rossiter said the warm humid northerly flow coming over the country will persist through the week.

### [Severe weather stalks New Zealand as heavy rain lashes country, crashes erupt on roads](#)

Newshub

**MetService** has issued severe weather warnings and watches across much of the country. And police are urging motorists to take care on the roads after ...

### [Auckland water reservoirs near record lows](#)

New Zealand Herald

This time last year Auckland's water manager, **Watercare**, was "very concerned" about the state of the city's supply, **Watercare's** head of servicing and ...

NIWA

### [Marlborough Sounds' Multi-beam Data Helps Inform NZ's Best-ever Predictive Habitat Maps](#)

NIWA scientists have generated the most detailed predictive habitat maps for any coastal area in New Zealand, with the help of Council-funded multi-beam mapping data.

**Volcano alert/watch**

## [Mt Ruapehu crater lake rises to 40C amid period of 'minor unrest'](#)

New Zealand Herald

The volcanic **alert** level remains at 1, indicating minor volcanic unrest. The temperature rise follows a period of relative unrest for the volcano, after GNS ...

## **WMO**

### [Emirati official joins WMO Expert Team](#)

WAM EN

... has appointed Dr. Abdulla Al Mandous, Director of the National Centre of **Meteorology** (NCM) and President of the Regional Association II (**Asia**), ...

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

## [Northerly winds cause dust storms in SA, roads closed after three-car crash](#)

Authorities have closed roads and issued warnings to motorists as dust storms move across South Australia.

### [Building for cyclones](#)

Residents in Kalbarri, Geraldton and surrounding areas in WA have been surveying the damage left by ex-Tropical Cyclone Seroja.

Given just how far south this cyclone has travelled, do we need to update our building codes in new areas to create resilient homes that stand up to natural hazards?

## [The rare weather phenomenon which sent Cyclone Seroja down south](#)

People in the small tourist towns of Kalbarri and Northampton in WA woke on Monday morning to utter destruction left in the path of ex-tropical cyclone Seroja.

## **Business/Insurance**

### [\\$1B Insurance Price Tag for US Severe Weather in March \(and Other Global Events\): Aon](#)

Insurance Journal

... **weather** outbreaks, including tornadoes, hail, and flooding, resulted in losses of more than \$1 billion for public and private **insurers** during March, ...

### [Cyclone Seroja brewing off WA coast joined by two tropical lows](#)

The cyclone brewing off the coast of Western Australia has now been joined by two other tropical lows nearby, adding to an already rare weather event.

### [Tropical Cyclone Seroja wreaks havoc along WA's mid north coast, rips apart historic One Mile Jetty](#)

Tropical Cyclone Seroja has now weakened after leaving a trail of destruction and thousands of residents without power as it hit Western Australia's coast overnight

### [Cyclone Seroja downgraded to tropical low](#)

Armidale Express

Tropical Cyclone Seroja, which slammed into the coast of Western **Australia** and tore ... **Western Power** said more than 15,000 homes had lost power

### [Cyclones to bring more rain further south in future, say the weather experts](#)

As a pack of tropical lows looms off the WA coast, the latest forecast is for the biggest, Tropical Cyclone Seroja, to continue south-west and turn towards the coast on Saturday.

### [Forecasting extreme weather to assist emergency services response in Tasmania](#)

ABC News

A huge range of weather model **data** are generated on the bureau's ... that improved **weather forecasting** will lead to a better understanding of the ...

### [New Hobart facilities for Bureau of Meteorology](#)

Mirage News

... Bureau of **Meteorology** today opened its new-look Hobart Office, which houses the **meteorologists**, hydrologists, climatologists and communications ...

Extreme weather (and other news) – Asia and the Middle East, Africa

### [Cyclone that hit Indonesia result of global warming](#)

The Straits Times

... cyclone Seroja, which triggered devastating floods and landslides in East Nusa Tenggara islands on Sunday, Indonesia's **weather** agency has said.

## **International news and research**

### [Biden administration proposes record \\$6.9 billion budget for NOAA](#)

Washington Post

... whose responsibilities include **weather forecasting**, climate research and services, ocean research, the health of ... in the next generation of satellites, incorporating a diverse array of new **technologies**, which would improve data ...

### [Leading Dutch \*\*meteorologist\*\* and Climate Centre partner Geert Jan van Oldenborgh wins major ...](#)

Red Cross Red Crescent Climate Centre

Thousands of users visit the website and use it to create about 3 million charts a year, the Royal Netherlands **Meteorological** Institute (KNMI by its Dutch ...

Cloud seeding / Geoengineering

### [Taiwan developing newer model of ground-based rainmaking device](#)

Focus Taiwan News Channel

The most common chemicals used for **cloud seeding** are silver iodide, potassium iodide and dry ice (solid carbon dioxide). (By Liang Pei-chi and Ko Lin).

## **Weather companies**

### [IBM's \*\*Weather Company\*\* Has A Path To Billions In New Revenue, Thanks To The Rise Of The ...](#)

Forbes

The **Weather Company** launched its subscription service in the teeth of the Covid-19 pandemic and has now grown it to more than 900,000 paying ...

## **Business/Insurance**

### [Greatest Risks To \*\*Businesses\*\* In 2021](#)

Scoop.co.nz

Over the medium-to-long-term, organizations identified climate risks as the highest concern, with more incidents of extreme **weather** expected and ...

### [US \*\*insurance\*\* toll of March's severe \*\*weather\*\* in billions](#)

Business Insurance

Aon Plc said Friday that multiple severe **weather** outbreaks in the United States in March resulted in **insurance** losses in the billions of dollars.

### [Trade shortages hit after hailstorms](#)

Insurance News

Queensland hailstorms last year, continued wet **weather**, COVID-19 impacts and shortages of ... The **insurer** has so far received 7300 claims.

Energy and Mining

### [Hydro lake storage falling](#)

Power generators hope forecast heavy rain in the South will replenish lakes approaching dangerously low levels.

### [How 'active efficiency' can help \*\*electricity\*\* grids \*\*weather\*\* the storms to come](#)

World Economic Forum

An 'active efficiency' approach can boost their resilience by reducing **energy demand** without shutting off the **power**. It involves deploying both passive ...

Health

[Weather forecasts that predict meningitis outbreaks](#)

University of Leeds

Using advances in weather science. The early-warning system is possible because of medium-range **weather forecasting data** produced by the ...

[Sunlight linked with lower COVID-19 deaths, study shows](#)

Posted: 08 Apr 2021 06:29 PM PDT

Sunnier areas are associated with fewer deaths from COVID-19, an observational study suggests. Increased exposure to the sun's rays -- specifically UVA -- could act as a simple public health intervention if further research establishes it causes a reduction in mortality rates, experts say.

Innovation, Technologies and AI

[Video-game graphics chipmaker Nvidia to start making CPUs—sparking competition with Intel](#)

Fortune

Nvidia is pitching the new CPU to **data** center owners—so-called ... the art of complex calculations such as **weather forecasting**, Schulthess said.

**Water**

[Auckland's water crisis was a good thing](#)

Stuff.co.nz

**Watercare's** expanded Waikato River treatment plant will process an additional 100 million litres a day .....

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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.

### [Satellite Images Show the Explosive Eruptions at St. Vincent's La Soufrière Volcano](#)

The Weather Channel - April 12, 2021

Explosive eruptions at St. Vincent's La Soufrière volcano have provided some eye-popping views on satellite imagery since it began its major bursts of activity last Friday.

### [Making the Universe Blurrier](#)

Eos - April 13, 2021

Climate change appears to be directly and indirectly affecting the view from at least one observatory while threatening the existence of others.

### [Ancient history sheds new light on connection between weather and war](#)

Phys.org - April 13, 2021

Data extracted from the oldest surviving document recording Korean history shows a strong correlation between extreme weather events and war.

### [Australia's 'black summer' of severe weather wasn't just bad luck](#)

The Guardian - April 13, 2021

The 2019–20 bushfire season led to flooding and polluted drinking water despite moderate rainfall.

### [How man's 'side project' became go-to info source during major weather events](#)

Yahoo! News - April 12, 2021

For Jason Robinson, the test of mettle came in 2017 when Hurricane Irma knocked out more than 1 million electric customers' power.

### [Colorado River basin due for more frequent, intense hydroclimate events](#)

ScienceDaily - April 8, 2021

In the vast Colorado River basin, climate change is driving extreme, interconnected events among earth-system elements such as weather and water.

### [Differences of cloud top height between satellites and ground-based radar revealed](#)

EurekAlert! - April 11, 2021

Monitoring cloud height, particle size, particle concentration, etc. are integral to understanding climate dynamics and global climate change.

### [Weather satellite detects record-cold cloud temperature of minus-168 degrees](#)

The Washington Post - April 6, 2021

The ultra-frigid cloud formed amid strong thunderstorm activity over the Pacific in December 2018.

### [New study ties solar variability to the onset of decadal La Nina events](#)

ScienceDaily - April 5, 2021

A new study shows a correlation between the end of solar cycles and a switch from El Nino to La Nina conditions in the Pacific Ocean, suggesting that solar variability can drive seasonal weather variability on Earth.

### [That Night 46 Million Grasshoppers Went to Vegas](#)

The New York Times - March 30, 2021

In a new study, ecologists document the impact that the world's brightest city has on the insect population.

### [Coldest recorded cloud temperature measured by satellite](#)

Phys.org - March 31, 2021

A new paper led by Dr. Simon Proud, research fellow at the Department of Physics and the National Centre for Earth Observation, describes an unprecedentedly cold temperature measured atop a severe thunderstorm cloud in the Pacific by an Earth-orbiting satellite.

### [Multi-talented satellite can monitor space weather](#)

Earth.com - March 31, 2021

The Soil Moisture and Ocean Salinity (SMOS) satellite was launched in 2009 to provide new insights into Earth's water cycle and climate.

[Satellite Data Shows Lakes on Greenland Ice Sheet Can Drain Huge Amounts of Water, Even in Winter](#)

SciTechDaily - April 1, 2021

Using satellite data to 'see in the dark', researchers have shown for the first time that lakes on the Greenland Ice Sheet drain during winter, a finding with implications for the speed at which the world's second-largest ice sheet flows to the ocean.

[Joanne Simpson: First Woman to Receive a Ph.D in Meteorology](#)

Spectrum News NY 1 - March 31, 2021

As the first woman to receive a Ph.D in meteorology, Joanne Simpson is another one of the top candidates to celebrate Women's History Month.

[NOAA's Weather Forecasting System Just Got a Major Update](#)

Smithsonian Magazine - March 31, 2021

The new version of the Global Forecast System could give Americans in the path of a hurricane an additional 36 hours to prepare compared to the old model.

[Stunning new photo book charts the world's most dramatic weather events, from tornadoes and lightning storms to 'UFO' clouds and mesmerising mist](#)

Daily Mail - April 5, 2021

Weather, by Robert J Ford, is packed with dramatic images of weather events from around the globe.

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Weather Eye with John Maunder

<https://www.sunlive.co.nz/blogs/15535-tauranga-march-rainfalls-18982021.html>

<https://www.sunlive.co.nz/blogs/15511-tauranga-march-average-afternoon-temperatures-19132021.html>

<https://www.sunlive.co.nz/blogs/15493-world-meteorological-day-23-march-2021.html>

