

New Zealand weather and climate news

Courtesy of MetService Library\

MetService

Snow, heavy rain and strong wind forecast in a southerly change to hit New Zealand

RNZ

MetService is forecasting an abrupt midweek plunge in temperatures after Napier, Wairarapa and Masterton broke local temperature records for May.

Weather: Rain and showers forecast for most, as snow falls in the south

New Zealand Herald

Despite the temperature being around the 10C mark in the City of Sails this morning, a high of 21C is on the cards, the **MetService** said. An overnight ...

Weather: Snow falls in the South Island as autumn chill arrives, with wet weather in the north

Stuff.co.nz

MetService says there is heavy rain and winds moving up the country from the south over Tuesday. Some South Island residents, including those in ...

Surface flooding causes delays in Christchurch, snow falls across region

Otago Daily Times

Up to 5cm to 8cm of snow may settle on the road near the summit, the **MetService** says, with lesser amounts down to 600m. A snowfall warning is also ...

Late-autumn scorcher for Christchurch, but South's weather in for dramatic shift

Stuff.co.nz

MetService meteorologist Rob Kerr said Sunday morning's temperature was 10 degrees above Christchurch's usual May average of 15C. But he said ...

Rain most in five months but not enough

Otago has recorded its first substantial rainfall in more than five months, but it is nowhere near enough to break the dry spell plaguing the region's farmers.

MetService meteorologist Angus Hines said 18.2mm fell in Dunedin on Tuesday, and between 9.6mm and 40.4mm fell in other parts of the southern region.

MetOcean

An operational hydrodynamic forecast model for Taiwan Strait

MetOcean Solutions recently completed the development of a high-resolution hydrodynamic forecast model for Taiwan Strait.

WMO

WMO Aerosols Bulletin focuses on fires

Posted:

A new World Meteorological Organization bulletin on Aerosols examines the impact of biomass burning (wildfires and open burning for agriculture) on climate and air quality. It covers the episodes of...

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

Pacific Covid-19: Nine new cases reported in Fiji

Nine new cases of Covid-19 was reported in Fiji on Thursday as the Central Division prepares to go into a major lockdown from Friday night.

Unusually stormy start to May sends rainfall totals soaring in parts of Queensland

An unusually stormy start to May has seen parts of south-east Queensland recording more rain than normally expected for the entire month.

Taking the temperature of Australia's climate risk and response

Australian Journal of Emergency Management

April 2021 edition

For 5 consecutive years (2017–21), extreme weather has been rated the top global risk by likelihood in the World Economic Forum’s Global Risks Perception Survey. In the preceding 3 years (2014–16) it was rated the second likeliest global risk.

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

Storm in China brings down buildings and overturns ship in Nantong near Shanghai

An extreme thunderstorm in China that brought down buildings and trees has killed 11 people and injured more than 100 others.

Extreme weather (and other news) – Americas and Europe

Extreme **weather** affecting UK agriculture -- But adapting to changing climate a challenge for many ...

EurekAlert

More positively, the research also highlighted the capacity for **innovation** and adaptability within the farming industry. Many farmers are building ...

Weather companies

Alfa Laval to Buy **Weather** Services Firm StormGeo

OE Digital

... energy, and onshore industries such as healthcare, hospitality, **insurance**, and retail. With extreme **weather** being the number one cause of business ...

EQT exits weather intelligence firm StormGEO with sale to Alfa Laval

Investable Universe

On Monday, Swedish private equity real assets investor EQT announced that it is selling StormGEO, the Bergen, Norway-headquartered weather

Art/s

Anniversary of "Twister" Release - 25 Years

KMTV - 3 News Now

Within the **meteorological** community, "Twister" can be a polarizing movie. ... **Meteorologists** and weather enthusiasts love to "hate watch" this movie.

Aviation

How safety data affects airline **insurance pricing**

Airlines International

Common causes of claims from aircraft owner/operators include pilot error; damage from foreign objects; bird strikes; **weather** events; ground-handling ...

Business/Insurance

Australian consumers favour NZ above other foreign suppliers

New Zealand made goods were the most trusted and preferred of foreign suppliers with Australian consumers last year.

PPP review could lead to improved investment model - specialist

A recent review of New Zealand's past public private partnerships (PPPs) is expected to lead to increased private investment in public projects.

Communications/social media

TVNZ planning to launch paid, ad-free on-demand service

Stuff.co.nz

TVNZ chief executive Kevin Kenrick has made clear a paid service would not replace its ad-free offerings. **TVNZ** has confirmed it intends to launch a paid ...

Energy and Mining

Solar power: Planned network will increase generation eight-fold - company

The country is to get its first significant solar power generation based in some of the North Island's sunniest centres.

Power to the people - How to solve our dry year woes

New Zealand's electricity market is structured in such a way that generator retailers are incentivised to keep supply scarce rather than plentiful, two energy analysts say.

Low hydro lakes point to a developing power crisis

The country's biggest power user Tiwai Point aluminium smelter has agreed to cut its electricity usage as the industry faces a developing power crisis. Below average rainfall is putting pressure on hydro-generation with the country's hydro lakes dropping to 65 percent of normal levels for this time of year.

Bad weather forecasts are a climate crisis disaster

Predicting the output of solar panels is tricky, but getting it right could slash carbon emissions

Health

'Entirely preventable': Kiwis hospitalised because of sunburn, study finds

More than 160 Kiwis and Aussies have been so badly sunburnt they were admitted to burns units and almost one in five of those people needed surgery.

Australian researchers scoured the Burns Registry of Australia and New Zealand to determine how many patients had been admitted for sunburn in the 10 years between 2010 and 2019.

As temperatures rise, so do allergies

COLUMBIA - When Sherry Miller moved to Columbia from New Jersey, the heavy pollen in the air here triggered her asthma and sent her to the emergency room three times in a matter of months. In the 14 years since, she says the allergy issues she battles have gotten worse.

Outdoor recreation

New Zealand outdoor adventure app Plan My Walk designed to save lives

Newshub

These three factors combined cause 30 percent of all tramping **search and rescue** operations. As well as being able to comment on tracks, users will be ...

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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.

New gauge on weather forecasts

ScienceDaily - May 10, 2021

Studies of long-term hydro-climatic patterns provide fresh insights into the causes of Australia's strong climate variability which affect extreme wet or dry weather and other conditions vital to water supply, agriculture, the environment and the nation's future.

Langley Scientists Observe Storm Clouds in 3D — You Can, Too

NASA - May 10, 2021

Scientists at NASA's Langley Research Center in Hampton, Virginia, are breaking out their 3D glasses — not to watch the latest blockbuster movie, but to get a more detailed look at blockbuster storm clouds, and ultimately, a better understanding of severe weather.

Basic structure for new generation of weather satellites

Space Daily - May 7, 2021

Six metres high, weighting 1000 kilograms and assembled from over 24,000 parts: These are the dimensions of the second generation of European weather satellites, which in future will collect weather data some 800 kilometres above us.

Tropical Storm Andres Continued Recent Stretch of Early Hurricane Season Starts

The Weather Channel - May 10, 2021

Tropical Storm Andres launched the 2021 Eastern Pacific hurricane season early in what's been a tendency over the past several years in the Atlantic Basin as well.

NASA reboots its role in fighting climate change

Nature - May 7, 2021

Space agency aims to breathe new life into its Earth-science programme as US President Joe Biden pushes an ambitious climate agenda.

Saving the radome

MIT News - May 7, 2021

Student-led efforts preserve iconic campus landmark for future generations of education and research.

Don't be shocked! Tuesday's storms were the most electric in more than 4 years

CNN - May 6, 2021

It's not just you -- Tuesday's storms were absolutely electric. Nearly 4.5 million lightning events were detected, which is the busiest the skies have been since May 20, 2017, according to experts who follow the charge.

NASA Satellites Document The Mysteries Of Underwater Tides In Captivating New Video

SYFY Wire - May 10, 2021

Now in a new video from NASA's Goddard Space Flight Center, scientists and meteorologists can view these mysterious currents and their rhythms and flow thanks to years of revealing satellite imagery.

What are waterspouts, and how do they form?

Phys.org - May 6, 2021

Waterspouts are extraordinary, impressive weather events. Observers describe them as looking like "the start of an alien invasion" and post their snaps across social media.

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