

New Zealand weather and climate news

Courtesy of MetService Library

MetService mentions

Plimmerton residents clean up after major flooding: 'This was quite exceptional'

Plimmerton residents are continuing to face a big clean-up, a day after water surged through properties in the seaside suburb north of Wellington.

More heavy rain coming as Plimmerton clears up from heavy flooding

Heavy rain is heading towards the Wellington region Monday, as residents of Plimmerton clean up from floods that filled homes with silt and caused 15 evacuations on Sunday.

Weather: Storm brewing from the Tasman Sea brings more rough weather

More rough weather is forecast to hit the lower North Island today, with a storm coming from the Tasman Sea.

A number of heavy rain and strong wind warnings have been issued for the bottom of the North Island and top of the South Island.

Main road out of Wellington closed by flooding; multiple homes damaged

New Zealand Herald

Metservice meteorologist Andy Best said there had been a "dramatic" amount of rainfall in the area, particularly on the Kapiti Coast.

Watch: Astonishing footage shows front roll in over Canterbury

Astonishing footage shows a roiling front roll in over the Canterbury plains today.

The video was captured from the Mid Canterbury Aero Club.

"The day started off ok, fingers crossed it clears up soon," the footage is captioned on their [Facebook page](#).

MetService also shared the footage with its own description of the event and weather in the area.

Weather: gales prompt warnings for drivers from NZTA

Stuff.co.nz

Coastal Otago and some areas in Southland were being hit by gusty south-westerlies, which the MetService said would ease this evening.

Air New Zealand flight diverted after suspected lightning strike

A domestic Air New Zealand flight has been diverted to Auckland today after a suspected lightning strike.

Wild wet weather due to clear in Taranaki

Stuff.co.nz

According to **MetService's** website, the heavy rain will ease on Thursday afternoon and make way for a relatively dry Friday. The Taranaki Regional ...

North Island thunderstorms: Emergency teams mobilised in Taranaki, clean up underway

New Zealand Herald

MetService forecasters are warning there may be a few more thunderstorms in store this afternoon as the low-pressure system pulled away to the east ...

Even after deluges, remnants of Auckland's big dry remain

Even after months of Auckland downpours, pockets of drought in the region linger on from the biggest dry to hit the region in a quarter of a century.

But those parched spots are expected to be soon swept away by what's forecast to be a warm but wet summer under La Nina - and Watercare's boss says the agency is already in a "strong position" to meet coming demand.

WMO

Nineteenth session of the North Eurasia Climate Outlook Forum (NEACOF-19) - Roshydromet

Posted:

The North Eurasian Climate Center held the 19th session of NEACOF-19 on the basis of Internet resources at the Hydrometeorological Center of Russia, (Moscow) from 17 to 18 November 2020. The forum...

WMO welcomes launch of new ocean-monitoring satellite

Posted:

The World Meteorological Organization has welcomed the successful launch of the Copernicus Sentinel-6 Michael Freilich ocean-monitoring satellite. Its high-precision measurements of Earth's oceans...

ECMWF

Statement from Met Éireann on Ireland's proposal to host the European Centre for Medium Range ...

Gov.ie

ECMWF's Headquarters will remain in Reading. This competition relates only to those activities carried out by ECMWF that are EU funded and not to the ...

Extreme weather (and other news) – Antarctica and offshore

Following in her father's footsteps to Campbell Island seven decades on

When Joanne Laing steps ashore on Campbell Island next week she'll follow in the footsteps of her father 70 years earlier.

Rob Stanley was stationed on the remote subantarctic island – about 600km south of New Zealand – for two years as part of a team taking meteorological readings for the Civil Aviation Department.

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

Sydney records hottest November night on record

Sydney has reported its hottest November night on record, with the official start of summer still days away.

Expert: “Australians need to prepare for a drastically wetter summer”

Insurance Business Australia

This is, in large part, because of the now active La Niña **weather** pattern, ... and business operations at Allianz Australia, told **Insurance Business**.

Heat stress and work in the era of climate change: what we know, and what we need to learn

Centre for Future Work

23 Nov 2020 | Report | Built environment, Environment

Research has confirmed that climate change is contributing to the growing problem of heat stress in a wide range of Australian workplaces. This report provides first-hand accounts of dangerous levels of heat stress experienced in a range of occupations – including construction, outdoor maintenance work, and food delivery riders.

Extreme weather (and other news) – Americas and Europe

UK weather forecast: Freezing fog sees temperatures plunge to -2C ahead of 'polar blast'

Mirror.co.uk

Met Office Meteorologist Aidan McGivern said: "Two words essentially sum up this weekend - dry and gloomy." Two weather fronts are bringing a large ...

Heavy snow in UK: Arctic cyclones forming in Greenland to trigger coldest winter in decade

Daily Express

Cyclonic weather systems will move across the UK bringing unsettled conditions, according to the **Met Office**

International news and research

Japanese Research Group Performs Largest Ever **Meteorological** Calculation on Supercomputer

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IT News Online

Technological trends in the supercomputing are rapidly changing, while the execution speed of software does not necessarily increase (or could even ...

Offshore submarine freshwater discovery raises hopes for islands worldwide

Posted: 25 Nov 2020 12:48 PM PST

Twice as much freshwater is stored offshore of Hawai'i Island than previously thought, revealed a new study with important implications for volcanic islands around the world. An extensive reservoir of freshwater within the submarine southern flank of the Hualalai aquifer was mapped by researchers with Hawai'i EPSCoR 'Ike Wai project, showing a way in which substantial volumes of freshwater are transported from onshore to offshore submarine aquifers along the coast of Hawai'i Island.

Climate change / global warming

New analysis reveals New Zealand's 150-year climate transformation

New Zealand Herald

They found two big natural drivers that dominated trends were interdecadal Pacific oscillation (IPO) and **El Nino**-southern oscillation (ENSO).

Most people don't really understand how climate change works

How climate works, how it's being altered, and what the future can hold

Communications/social media

Weather, whether we like it or not and whether the forecast is correct or not

No, it's the assumption the forecast for New Plymouth can be applied to the whole of Taranaki. The only explanation I can think of is nobody at TVNZ realises Taranaki Maunga can cause various parts of our province to get very different weather.

Covid-19 / Wellbeing

Covid 19 coronavirus: Prime Minister Jacinda Ardern says vaccine likely in March

Prime Minister Jacinda Ardern says the timetable for a vaccination against Covid-19 in New Zealand was looking like a March date - but not everyone would get a jab at the same time.

She said details of the timing would take place later in the month.

Farming/horticulture/Aquaculture

Farming funding unlocked as La Niña looms over summer

The government has unlocked funding to support farmers ahead of an upcoming La Nina season.

Outdoor recreation

Drowning fears as lifeguards brace for packed beaches

In Brad Walters' 15 years as a lifeguard he's never seen New Zealand's beaches so busy.

With borders closed, many Kiwis have already begun their staycations at some of the most popular beaches with hotspots like Coromandel, Mount Maunganui, Raglan and Auckland's west coast already reporting record high numbers of beach goers.

Intensive drownings study shows majority didn't wear lifejackets

A study on drowning cases has found a majority of missing people in New Zealand weren't wearing a lifejacket when found, reinforcing the importance of safety equipment.

Space weather

The space **weather** experts who give the go-ahead on when to launch and avoid disaster

Washington Examiner

Luckily, no astronauts were on board, but a multimillion-dollar Navy **satellite** that required years to manufacture was lost. A NASA after-action report ...

Journal and articles online

A percentile-based approach to rainfall scenario construction for surface-water flood forecasts

Steven J. Böing, Cathryn E. Birch, Benjamin L. Rabb, Kay L. Shelton

A novel technique to produce reasonable worst-case rainfall scenarios from ensemble forecasts is presented. This type of scenario is relevant for predicting the risk of localized, intense rainfall events with a duration between 15 min and several hours, which can cause surface-water (pluvial) flooding. The figure shows results from this novel neighbourhood processing technique for a single forecast. Maximum hourly accumulations in each grid box are converted to a reasonable worst-case maximum hourly accumulation for each grid box.

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