

New Zealand weather and climate news

Courtesy of MetService library

MetService mentions

Ongoing downpours put Central Otago and West Coast on flood watch

Stuff.co.nz

Flights cancelled, heavy downpours lash parts of New Zealand The team, which is part of the Southern Urban Search and Rescue Task Force, will

Weather: Wind sweeps big blue containers down Buller River

Newshub

Weather: Wind sweeps big blue containers down Buller River ... Road speeds in the town's central business district have also been reduced to 30kmh.

'Pocket of ash and dust' from Australia's bushfires headed across the ditch

Stuff.co.nz

... a few times over the last several weeks due to the ... wind direction ... pulling air from the eastern coast," MetService meteorologist Angus Hines said.

More strong winds in South

Otago Daily Times

Strong winds are affecting flights at Dunedin Airport this afternoon, and MetService has a strong wind watch in place for much of Otago. The airport has ...

Even Wellingtonians might have had enough wind

Even in Wellington, which by some estimates may be the windiest city in the world, some people are beginning to think they've had about enough wind for the time being.

Deep low flinging Antarctic air toward NZ, with downpours, gales sticking around til Sunday

Stuff.co.nz

In its monthly climate outlook for December, MetService predicted a ridge of high pressure would try to hang on over Northland through the month, ...

Wild weather kicks off week, unsettled conditions to close it out

New Zealand Herald

Metservice forecaster Gerrard Bellam said the rain is expected to remain all week in the area. "They're in for a prolonged period of rain in the West ...

'Tornado' hits Otago as winds and heavy downpours lash parts of New Zealand

As high winds disrupted flights and caused ferries to be delayed around parts of the country, a "tornado" whipped up on an Otago lake flattened trees and left motorists scurrying for cover.

First day of summer looks good in north, but it's a different story for parts of South Island

Stuff.co.nz

"We do have watches and warnings out in the South Island for heavy rain and strong winds," Metservice meteorologist Andy Best said on the eve of ...

Welcome to the first humidity article of the New Zealand summer

Stuff.co.nz

The good news, though, is that the El Nino Southern Oscillation (ENSO) – the global weather pattern that gives us "El Nino" and "La Nina" – is ...

Wet, windy weather on the way for Taranaki, giving an average start to Summer

Spring said goodbye with warm sunshine but summer has rolled into Taranaki with some unforgiving clouds - and they aren't leaving anytime soon.

Warmer summer rides warm sea

Otago Daily Times

The consensus from international models was El Nino/Southern Oscillation (ENSO) neutral conditions were most likely for the December 2019 to ...

Sneak peek with Dan Corbett at new weather graphics coming to 1 NEWS at 6pm

TVNZ

The 1 NEWS weather graphics are changing from Sunday and meteorologist Dan Corbett can't wait to show them off. Video Player is loading.

UK Weather Forecast: 40-day 'Arctic Bubble' set to envelope Britain triggering icy chaos

Express.co.uk

Marco Petagna, Met Office meteorologist, said: “We could see -10C as a cold spell sets in.” The rest of the UK doesn't escape the cold weather, with ...

Looking back at 50 years of 1 NEWS weather

TVNZ

It's fair to say New Zealanders love to know what the weather's doing. ... But so many of us depend on an accurate forecast for business, or just ...

Three numbers that explain NZ's coming summer scorcher

40%

Niwa gives a 40 per cent chance of above average temperatures this summer – and 35 per cent for near average ones.

Royal New Zealand Navy to the rescue

Stuff.co.nz

Rodent detection dog Flint had been working at Campbell Island as part of an operation with the New Zealand Defence Force, MetService and the ...

NIWA

More heatwaves on the way for summer - Niwa

This story was originally published on RNZ.co.nz and is republished with permission.

New Zealanders can expect more above average temperatures for summer across the country, according to Niwa's outlook.

Hottest November on record: NIWA climate scientists

New Zealand has just experienced its hottest November on record, according to NIWA climate scientists.

Data from NIWA's Seven-Station Series, which began in 1909, shows that last month's temperature was 1.55C above the 30-year average. The previous record for the hottest November on record was jointly reached in 1954 and 2013 when the temperature was 1.38C above average.

WMO

Capstone Project Research Report. Gendered Impacts of Weather and Climate: Evidence from Asia, Pacific and Africa

World Meteorological Organization (WMO). Published by: Geneva (Switzerland) : WMO, 2019; 56 p.

Abstract: This research report was commissioned as a response to this precise knowledge gap. It analysed the gendered impacts of weather and climate and the gender-specific needs of climate information and services in Asia, Africa and Pacific Small Island Developing States, especially as they emerge from disaster risk management and agriculture and food security, two sectors heavily affected by climate change.

Others

Big doesn't always mean bad for everyone as Southern Ocean storm forms (+3 Maps)

WeatherWatch.co.nz

It means pockets of severe weather, potentially in both islands for a time, but ... Of course, being in a ship in the Southern Ocean next week would be a ...

Volcano alert/watch

Bay of Plenty volcano White Island continues to rumble

New Zealand Herald

Unrest continues at Whakaari/White Island, with substantial gas, steam and mud bursts observed at a vent on the volcanic island off the Bay of Plenty ...

Extreme weather (and other news) – Antarctica and offshore

Antarctic ice sheets could be at greater risk of melting than previously thought

Antarctica is the largest reservoir of ice on Earth -- but new research suggests it could be at greater risk of melting than previously thought.

Extreme weather (and other news) – Australia and Pacific

Sydney on track to hit hottest November on record as forecasters issue dire warning

9News

... Sydney's average maximum temperature should come in at around 26.7 degrees, comfortably setting a new record for November," Weatherzone's ...

Australia summer weather outlook for 2019/2020

NEWS.com.au

But meteorologists have something of a surprise in store – overall during summer we may actually see average rain across much of Australia as the ...

Urgent warning as extreme heatwave over summer is set to plunge millions of Australians into ...

Daily Mail

Millions of Australians could suffer blackouts this Christmas thanks to power cuts ... The AEMO explained the increasingly extreme conditions has made weather the most important factor for planning the supply and demand of power.

Bureau of Meteorology declares spring 2019 the driest on record

ABC News

Spring 2019 was officially the driest of the Bureau of Meteorology's 120 years of rainfall records. Key points: The year-to-date rainfall is now Australia's ...

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

Is Sri Lanka witnessing a shift in rainfall patterns?

The Hindu

Pointing to global phenomena such as the El Nino, the Indian Ocean Dipole (IOD) and the La Nina — in which sea-surface temperatures tend to ...

Typhoon Kammuri to Track Through the Philippines Early Next Week With Dangerous Flooding ...

The Weather Channel

Typhoon Kammuri, know locally as Tisoy, will strengthen as it tracks westward toward the Philippines and may be the equivalent of a major hurricane ...

East Africa Floods Persist, Killing at Least 250

The Weather Channel

... value on record, behind only 1994 and 1997, according to Michael Ventrice, atmospheric scientist at The Weather Company, an IBM Business.

Government will use 'fog harvesting' and 'cloud seeding' to fight South Africa's water crisis

BusinessTech

Minister of Water and Sanitation, Lindiwe Sisulu, has outlined her department's plans to fight the major drought crisis facing South Africa.

Extreme weather (and other news) – Americas and Europe

UK Weather Forecast: 40-day 'Arctic Bubble' set to envelope Britain triggering icy chaos

Express.co.uk

Marco Petagna, Met Office meteorologist, said: “We could see -10C as a cold spell sets in.” The rest of the UK doesn't escape the cold weather, with ...

International news and research

When did routine bad weather become such big news?

Washington Post

At least weather forecasting is getting better. ... was in 1980 — thanks to better satellite observation, faster computers and improved data modeling.

Climate-heated oceans will increase rainfall from hurricanes and tropical storms, study says

NOLA.com

Climate-heated oceans will increase rainfall from hurricanes and tropical ... only since the 1960s, when the first weather satellites were launched.

Why India Needed A 100PF Supercomputer To Help With Weather Forecasting

Analytics India Magazine

Every hour weather satellites, weather balloons, ocean buoys, and surface weather stations around the world record billions of data. This large volume ...

Competitors

Private weather company ClimaCell to spin off nonprofit to tackle weather forecasting, early ...

Washington Post

ClimaCell, the private weather forecasting company based in Boston that has pioneered “microweather” forecasting ... They'll also seek to make sure data is accessible and useful for people on the ground, including farmers whose ...

5G network

Weather Experts Are Really Worried About The Current Global 5G Deal. Here's Why

ScienceAlert

Weather Experts Are Really Worried About The Current Global 5G Deal. ... transmissions from polar-orbiting satellites used to gather weather data.

Aviation

Wild winds wobble Air NZ plane on its way into Wellington

Stuff.co.nz

Despite wild winds, one Air New Zealand pilot managed to pull off a smooth landing in the capital on Tuesday. The stormy weather saw gusts of up to ...

Ask an expert: Why weren't all flights cancelled in wild weather?

Many flights were cancelled and diverted during wild weather in Wellington on Tuesday, but at least one airline carried on as usual.

Airports to get automated system to deal with fog

The Tribune

As the aviation sector grapples with progressive increase in air traffic and deteriorating weather conditions in the subcontinent, the Airports Authority of ...

Business/Insurance

The Science Of IBM's Holiday Retail Forecast—And Why Companies Count On It

Forbes

A December weather forecast of less snow and rain in most of North ... the shops, according to data from The Weather Company, an IBM Business.

Energy and Mining

Turning up the heat on the energy industry

Energy Magazine

... how the industry works to deliver reliability during these extreme weather periods. Energy Networks Australia CEO, Andrew Dillon, and Australian Energy ... Historically, electricity demand has been highest on hot weekdays when ...

Health

Hotter days are a dangerous threat to pregnancy

Eco-Business

Hot weather is one potential risk factor in early deliveries because heat exposure can increase the mother's level of oxytocin, a hormone that regulates ...

Climate change could make hay fever season longer for Kiwi sufferers

Rising sea levels, horrendous storms - climate change is hammering the world. But it could also be exacerbating a different kind of problem: hay fever.

Climate change hits health, yet funds lacking: WHO

GENEVA (Reuters) - Climate change is harming human health as more people suffer from heat stress, extreme weather and mosquito-borne diseases including malaria, the World Health Organization (WHO) said on Tuesday.

Satellites and radar

China plans new meteorological satellites

Xinhua

BEIJING, Nov. 28 (Xinhua) -- China has started the design of Fengyun-5 meteorological satellites and the third generation polar orbit meteorological ...

Innovation and technologies and AI

Tempest puts accurate, AI-powered weather forecasting on your doorstep

New Atlas

Knowing the actual temperature outside your own home is so much better than having to go off of generalized data. The easy to use Tempest app ...

Climate change / global warming / sea level rise

Mass reading of landmark climate change report in Christchurch

Musician Marlon Williams will join more than 100 speakers in a week-long theatrical mass reading of a landmark climate change report in Christchurch.

Floods predicted to uproot 50m a year as climate heats up

thedailynewnation.com

Floods predicted to uproot 50m a year as climate heats up ... About half the predicted increase would be caused by the effects of climate ... School children walk in floodwaters following heavy rains in southern Thailand's province of ...

Climate explained: how climate change will affect food production and security

Climate change is altering conditions that sustain food production, with cascading consequences for food security and global economies. Recent research evaluated the simultaneous impacts of climate change on agriculture and marine fisheries globally.

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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.

December 3, 2019

News

Past decade is 'almost certain' to be warmest on record, UN agency says

December 3, 2019 - CNBC

According to its “Provisional Statement of the State of the Climate 2019,” this year is “on course” to be the second or third warmest on record, with the global average temperature around 1.1 degrees Celsius higher than the pre-industrial era.

Read MORE

The 2010s was a roller-coaster decade for hurricanes. Here's what it means for the future

December 2, 2019 - Yahoo! News

The 2010s were a decade of contrasts for Atlantic hurricanes. Despite darkest timeline storms like Sandy, Irma and Michael, it was an era of remarkable luck for the continental U.S. coast.

Read MORE

After exceeding its lifespan, National Weather Service radar in Melbourne shutting down for upgrades

December 2, 2019 - TCPalm

A radar used by the National Weather Service in Melbourne has powered down for two weeks as crews work to upgrade some of the most critical components of the forecasting system.

[Read MORE](#)

NASA-NOAA satellite analyzes a strengthening Typhoon Kammuri

December 2, 2019 - Phys.org

NASA-NOAA's Suomi NPP satellite provided forecasters with infrared and nighttime views of Typhoon Kammuri that showed the storm continued to strengthen.

[Read MORE](#)

Mysterious tectonic fault zone found off California

November 28, 2019 - MSN.com

Beneath the cerulean waters of Monterey Bay, just a few miles southeast of Santa Cruz, California, a never-before-seen cluster of faults has been found lurking on the ocean floor.

[Read MORE](#)

Successes, pitfalls of modern hurricane forecasting

November 28, 2019 - Jacksonville.com

Scientists say no matter how technologically advanced storm predictions get, intensity, storm surge and gusts remain hard to pinpoint.

[Read MORE](#)

The Active 2019 Atlantic Hurricane Season Broke Five Big Records

November 27, 2019 - Forbes

This year will go down as one of the most active seasons on record, and a few of the storms we saw this year broke records in their own right.

[Read MORE](#)

International weather agencies object to 5G spectrum decision

November 27, 2019 - SpaceNews

A decision made at the recent World Radiocommunication Conference could undermine the accuracy of weather forecasts by interfering with meteorological satellite observations, according to the World Meteorological Organization (WMO) and the European Center for Medium-Range Weather Forecasts (ECMWF).

[Read MORE](#)

A New UN Report Shows That We Are Not On Track To Avoid Catastrophic Climate Change

November 27, 2019 - Forbes

The United Nations released its Emissions Gap Report for 2019. This year, it revealed that global greenhouse gas emissions have continued to increase over the course of the past decade, despite the threat that climate change poses.

[Read MORE](#)

Can one earthquake cause a cascade of more?

December 3, 2019 - Phys.org

Although poorly understood and believed to be quite rare, earthquakes, instead of petering out into smaller and smaller tremors, can sometimes cause a cascade of further violent quakes.

[Read MORE](#)

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My latest WeatherEye From John Maunder

<https://www.sunlive.co.nz/blogs/14096-global-temperatures-1996-october-2019.html>

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Thanks to our regular contributors

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