

New Zealand weather and climate news

Courtesy of **MetService Library**

(MetService focus)

Thunderstorms, hail and tornado risk as North Island braces for stormy start to week

The top half of the country is bracing for a day laced with thunderstorms, hail and even tornadoes, with eastern regions set to be deluged.

Heavy rain, strong winds, snowfall hit parts of New Zealand

On Sunday, MetService issued a heavy rain warning for Gisborne south of Muriwai, and Hawke's Bay north of Napier from 10pm Sunday through to ...

Rainfall in parts of Canterbury at lowest for 10 years

Banks Peninsula residents are being urged to start saving water as the region suffers from a lack of rain.

Watercare confident Auckland's summer will be drought-free

Newshub

Drought-stricken Aucklanders rejoice, despite low dams, Watercare is confident there won't be a water shortage this summer. The Pukekohe East ...

Timaru hailstorm now NZ's costliest weather event since 2000

Insurance Business New Zealand

Businesses struggling to deal with hailstorm aftermath · Insurance firms face downpour of hail damage claims.

New Zealand Weather: Wet for most, chilly for the south

New Zealand Herald

... Island and the top of the South Island, with heavy rain watches in place in parts of both islands today, MetService forecaster Cameron Coutts said.

Turbulent weather set to continue into weekend

Newshub

Metservice is forecasting a stack of active weather making its way into Saturday and Sunday due to two approaching weather systems in what they ...

'No one will escape' weekend rain; chill southerly to sweep north bringing snow to higher hills

Stuff.co.nz

MetService forecast snow could fall to 800 metres in the Southern Lakes area on Saturday and 700m on Sunday, and to 1000m in Canterbury.

Cold November rain to linger over Nelson as clouds forecast to finally shift

Stuff.co.nz

Metservice communications meteorologist Lewis Ferris said the recent weather system had been caused by a warm, humid northerly airmass being ...

New climate change report paints worrying picture for Hawke's Bay

Average temperatures are projected to rise by up to three degrees Celsius in the next 70 years in Hawke's Bay, according to a new report by Hawke's Bay Regional Council.

MetOcean (and oceanmet, marine weather etc)

Surf's up from Ahipara to Riverton

New Zealand surf breaks are world renowned, but it's not just waves that they're known for.

NIWA

Warm October despite rain

Despite wet and windy weather in Southland during October, Niwa's records show it was New Zealand's fifth warmest October on record, and the warmest October since 2001.

ECMWF

Talking about the weather: Forecasting gets better and better

The Irish Times

The illustration shows the skill scores for **ECMWF** forecasts at ranges of three, five, seven and 10 days ahead. All the graphs show sustained ...

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

UQ academics study giant hail that caused widespread damage across southeast Queensland

Courier Mail

... to better understand extreme **weather** events. RACQ has processed some 5000 **insurance** claims relating to last weekend's storms alone – including ...

Too much rain? Met service says its 'normal'

Cook Islands News

Met Service director Arona Ngari says the start of the cyclone season this month brings in around 1.3 metres or two-thirds of the projected annual ...

Extreme weather (and other news) – Americas and Europe

Severe Drought in South America

NASA

The **map** above shows shallow groundwater storage in South America on October 26, 2020, as measured by the Gravity Recovery and **Climate** ...

Guatemalan mudslides increase storm Eta's death toll

The death toll from torrential downpours unleashed by storm Eta has leapt as Guatemalan soldiers reached a mountain village where around 100 people were killed by a landslide, adding to dozens of other dead in Central America and Mexico.

Great Lakes produce new record for waterspouts in one week

Great Lakes Echo

Meteorologists can predict whether or not conditions will be supportive of fair-weather waterspouts up to a day beforehand. They look for relatively ...

European weather services hit by storm of malicious email attacks

New Scientist

The Met Office and European Centre for Medium-Range Weather Forecasts (ECMWF) in the UK, Spain's State Meteorological Agency and the Danish ...

International news and research

Recipe for a storm

Scientists from the University of Oldenburg generate realistic storm turbulence in the laboratory

Effective government saves lives in cyclones, other disasters

ITHACA, N.Y. - In 2008, Cyclone Nargis killed more than 138,000 people in Myanmar. It was a powerful category 3 or 4 storm at landfall, but tropical storms with similar wind speeds that year resulted in far fewer fatalities in other countries.

Elizabeth Tennant, postdoctoral associate in economics at Cornell University, wondered: What made the difference?

Convection-permitting modelling improves simulated precipitation over the Tibetan Plateau

EurekAlert

... the Chinese Academy of Meteorological Sciences at China Meteorological Administration and the UK Met Office, have jointly investigated the added ...

How EUMETSAT Is Collaborating With African Institutions for Meteorological Development

Space in Africa

Our main mandate is to operate satellites for the monitoring of weather and climate from space. We have existed for more than thirty years; EUMETSAT ...

What Is a Super Typhoon, and Why Are They So Dangerous?

WIRED

Meteorologists applied the “super” designation to Typhoon Goni after it reached wind speeds of 150 miles per hour. News of the future, now. News of the ...

Climatologist Warren Knapp, acid rain expert, dies at 82

Cornell Chronicle

He modernized the university's Game Farm Road weather station from manual to electronic observations, and oversaw the climate center's growth and ...

Effective government saves lives in cyclones, other disasters

Posted: 04 Nov 2020 08:47 AM PST

Effective national and local governments are associated with fewer deaths from tropical cyclone disasters -- even in countries with similar levels of wealth and development.

Aviation

Qantas to shut airport service desks, force customers onto self-service

The Sydney Morning Herald

The airline will maintain staffed check-in desks, but lost-baggage counter hours ... She predicted "chaos" during severe weather events or other major ...

Climate change / global warming

Sea-level rise will have complex consequences

Posted: 04 Nov 2020 11:36 AM PST

Rising sea levels will affect coasts and human societies in complex and unpredictable ways, according to a new study that examined 12,000 years in which a large island became a cluster of smaller ones.

Emergency services / preparation

New drone technology used by LandSAR in St Arnaud training exercise

Stuff.co.nz

An all-weather, night capable drone is the latest technology available to Tasman District police on search and rescue missions. With its infrared camera, ...

Health

Climate change linked to higher rates of cancer

Climate change will bring an acute toll worldwide, with rising temperatures, wildfires and poor air quality, accompanied by higher rates of cancer, especially lung, skin and gastrointestinal cancers, according to a new report from UC San Francisco.

Extreme heat in pregnancy may up preterm, stillbirth risk

Researchers reviewed 70 studies that spanned 27 countries and found that the risk for preterm delivery increased by 5%, on average, for every 1-degree Celsius increase in temperature and by 16% during heat waves. The findings, published in The BMJ, also showed that the risk of stillbirth rose by 5% for a 1-degree Celsius rise in temperature.

History

Edmund Fitzgerald

UpNorthLive.com

Meteorologists Joe Charlevoix and Blake Hansen take a closer look at the storm and talk to those who remember it. An UpNorthLive News special ...

Hydrology / Flooding

NZTA finds way to relieve flooding risk in Roxburgh

Relief could be on the way for people in Central Otago, with the Transport Agency announcing that it will replace a flood prone culvert.

Innovation and technologies and AI

NOAA to enhance weather forecasting and research with artificial intelligence

Security Magazine

All this will help improve weather forecasting, research and unlock innovation.” Through this agreement, NOAA and Google will work together on a ...

Virtual Weather: A Tour of The Weather Channel's New Cutting-Edge Studio

MediaVillage

Two of the most dynamic forces in the world, weather and technological innovation, synthesize to create captivating immersive experiences via The ...

Lightning

Keep theme park visitors safe with a lightning warning system

Environmental Expert

... like those located in Florida, are equipped with lightning detectors so that ... Detectors which rely on lightning detection alone are only effective if the ...