

New Zealand weather and climate news

Courtesy of MetService Library

MetService mentions

Beyond reasonable drought: New Zealand's climate future

Auckland's dams are half-empty and huge swathes of the country are reeling from one of the deepest droughts New Zealand has ever experienced. Climate scientists say: get used to it.

Climate change toll from two droughts tops \$800m

The true toll of climate change in New Zealand is just beginning to come to light.

New research from a team of Kiwi climate scientists led by Victoria University of Wellington's Dave Frame has found the major 2007 and 2013 droughts – which the Treasury estimates led to \$4.8 billion in lost GDP – were seriously exacerbated by climate change.

Auckland drought: Prospects bleak despite rain blip

One wet day has made little improvement to Auckland's record drought with no forecast for persistent, significant rainfall.

Oakura River bursts its banks as heavy rain batters Taranaki

Stuff.co.nz

From 11pm Wednesday to 11am Thursday, MetService recorded 150mm of rain at Mt Taranaki, with between 35-75mm recorded closer to New ...

Photos: Heavy snowfall blankets Canterbury, more forecast through tomorrow

TVNZ

MetService is forecasting snow through today and tomorrow in the region. Further south in Otago, fellow ski fields Cardrona and Treble Cone are ...

Whanganui welcomes rain and warmer than average temperatures for June

New Zealand Herald

Meanwhile, the MetService says Whanganui is experiencing warmer than average winter temperatures as we approach the shortest day of the year on ...

Week-long heavy rain in Wellington causes slips, closes roads

A landslide has closed a road in Wellington overnight Thursday following days of rain.

Wellington City Council said the road between the Miramar Cutting and the Shelly Bay military base was closed on Friday morning.

Weather: Bay of Plenty battered by hard rain

New Zealand Herald

MetService issued a heavy rain warning from yesterday morning right through to 6am tomorrow morning for eastern parts of the region. The rain was a ...

Highway reopens as severe weather watch issued for Coromandel, Gisborne

People are being asked to hunker down as heavy rain hits Coromandel and Gisborne.

A severe weather watch has been issued for the two regions, as well as a slice of the Bay of Plenty north of Katikati as a slow-moving low to the northeast of the country brings rain and showers to much of the North Island.

Wet weather continues in the BOP

SunLive

MetService meteorologist Lewis Ferris says easterly winds are pushing the pressure system towards coastline regions such as Coromandel, Western ...

Heavy rainfall warning extended

Gisborne Herald

The **MetService** predicts the Bay of Plenty east of Whakatane and the Gisborne ranges will receive a further 80-120 millimetres of rain through to 6am ...

Rainfall forecast every day until Friday in Hawke's Bay

New Zealand Herald

MetService meteorologist Andrew James said in the 48 hours until midday, Te Haroto had the most rainfall in the Bay, getting 90mm. "Closer to the ...

Weather: Heavy overnight rain causes slips, flooding, road closures across Coromandel and ...

New Zealand Herald

MetService has also issued a heavy rain warning for the ranges of Gisborne north of Tokomaru Bay. Here's what weather to expect for today, the shortest ...

Weather: Big freeze down south, thunderstorm risk up north

Newshub

Photo credit: **MetService** / Reuters. While the South Island got off to a chilly start on Saturday, the upper North Island is bracing for thunderstorms and ...

MetOcean

A Mysterious Network of Underwater Rivers Appears to Surround The **Australian** Coast

ScienceAlert

"This is the most significant discovery for coastal **oceanography** in recent decades, not only in **Australia** but globally," says **oceanographer** Chari ...

Plant & Food Research joins Blue Economy CRC project

Plant & Food Research is a participant in a Blue Economy CRC Australia scoping study looking to review state-of-the-art multi-use floating offshore/high energy platform concepts and their application, aimed at supporting the development of a sustainable blue economy in Australia's offshore/high energy industry.

WMO

Provision of critical weather information services to prevent and curb drought-induced forest fires: BMKG (Indonesia)

Posted:

Indonesia takes special precaution of wildfire risk in peatlands areas, and attempt to mitigate the risk by rewetting the peatlands by weather modification activities. The Agency for Meteorology...

Show Your Stripes: heat continues in 2020

Posted:

The global surface temperature for the first five months of the year was the second highest on record, marginally behind the strong El Niño year of 2016. The month of May was the warmest May on...

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

Torrential rains in China cause \$2.9 billion in damage, leave 63 dead or missing

15 billion-dollar weather disasters globally so far in 2020 - 10 of them severe weather events in the U.S. - set an early pace for the calendar year.

Extreme weather (and other news) – Americas and Europe

Britain braces for hottest day of the year next week as Met Office forecasts sizzling 93F ...

Daily Mail

Met Office meteorologist Emma Salter said: 'England and Wales should be totally clear of cloud from Sunday, with temperatures building day on day. ' ...

Calgary hail storm among costliest in Canada, likely to exceed C\$1bn: Aon

Artemis.bm

Impact Forecasting, the **weather forecasting**, analytics and catastrophe information specialist unit of insurance and reinsurance broker Aon, reports

International news and research

A Screen of 'Old Smoke' Hangs Around in the Atmosphere

How this thin layer of aerosol particles might impact global climate remains to be seen

Hurricane season combined with COVID-19 pandemic could create perfect storm

Posted: 16 Jun 2020 08:39 AM PDT

When extreme climate conditions interact with stressors to social systems, such as the COVID-19 pandemic, the consequences could be severe unless experts from diverse backgrounds work together to develop comprehensive solutions to combat their negative impacts.

See for yourself why meteorologists prefer the European Model over the US Model

mlive.com

Ryan Maue, Ph.D. meteorologist, and weather **data** harvester and analyzer extraordinaire, ...
What does this mean in real life **weather forecasting**?

BBC weather man and **meteorologists** baffled by clouds in Kent moving in different directions

Kent Online

Meteorologist Richard Dixon used a timelapse camera to film clouds over Whitstable as they moved in opposite directions

Are **Meteorologists** Scientists Or Not?

Forbes

According to a previous statement of the American **Meteorological** Society, a **meteorologist** is defined as "an individual with specialized education who ...

'Urban meteorology is the next big thing'

THE WEEK

Weather forecasting in India has come a long way from a shot in the dark to ... Worldwide, the practise is to use latest **data** for deciding normals.

Despite clear skies during the pandemic, greenhouse gas emissions are still rising

Phys.Org

A dry season influenced by **El Nino** climate variability also contributed to the increasing spread of hotspots. That year, NASA satellites detected more ...

Canadian scientists help develop most accurate space-based snow tracking ever

The Weather Network

Having a record of snow extent is very useful for **weather** and **climate** modelling, and it is fairly easy for **satellites** to capture this information, as it can ...

'Abnormally large dust cloud' making 5000-mile trek across Atlantic towards US

WUSA9.com

... abnormally large dust cloud," AccuWeather Senior **Meteorologist** and lead hurricane expert Dan Kottlowski told AccuWeather's Jonathan Petramala.

Aviation

Emirates to restart New Zealand flights next month

Emirates will resume services to Auckland from July 1.

The Middle Eastern airline will launch flights three times a week to New Zealand, its first passenger services since March due to the coronavirus pandemic.

Sounds Air to receive Government funding to keep flying

Stuff.co.nz

Transport Minister Phil Twyford said maintaining regional connectivity was vital for the wellbeing of New Zealanders and crucial for economic recovery ...

Business/Insurance

Thai investors granted ownership of firms in Japan

Bangkok Post

Thailand agreed to open up sectors to Japan such as **weather** and **meteorology**, R&D services, interpretation and translation services, and scientific ...

Climate change / global warming

Climate change: Sport heading for a fall as temperatures rise

Global sport faces major disruption from climate change in coming decades, according to a new analysis.

El Nino / La Nina

UH research reveals how volcanic eruptions affect El Nino

KHON2

HONOLULU (KHON2) — A new UH study explains how **El Nino** events happen. University of Hawaii at Manoa atmospheric scientist Christina ...

Emergency services / preparation

Radio network used by emergency services predicted to fail by 2023

The critical communication system used by police, fire and ambulance when they are out on a job is expected to fail by 2023

Farming/horticulture/Aquaculture

Sector generates \$12ba year: study

An independent study commissioned by the Meat Industry Association and Beef + Lamb New Zealand shows the meat processing and export sector and sheep and beef farmers collectively generate \$12billion in income a year for the country, and account for more than 92,000 jobs — almost 5% of New Zealand’s full-time workforce.

NZ Apiculture industry sees continued growth in production

The Ministry for Primary Industries released its annual Apiculture Monitoring Programme Report for the 2018/19 season today, which confirms the New Zealand apiculture industry is still growing.

Health

Climate change, smog could mean more preemie babies: study

(HealthDay)—Here's more bad news associated with climate change: Pregnant women exposed to air pollution or heat waves face a greater risk of having a preterm or underweight baby, a new research review finds.

Weather phobias can be paralyzing: Here are 10 not uncommon to Canadians

The Weather Network

Here at The **Weather Network**, we love everything about the weather, but in the interests of balance, here's a list of the curious weather phobias that ...

History

The wonders of **weather**

The Borneo Post

The 20th century saw two World Wars with both the Allied and Axis forces withdrawing their **weather ships** from the North Atlantic, **shipping** and plane ...

Infrastructure

Using infrastructure to boost the economy

The desperate need to boost the economy has led to the fast-tracking of 11 infrastructure projects – jobs they say are “shovel-ready” but are being held up by red tape – sometimes by decades.

Future-focused Port Investment A Winner

New Zealand is set to benefit from New Zealand Green Investment Finance’s (NZGIF) move to support projects that will cut emissions at Wellington’s CentrePort, the Sustainable Business Council (SBC) and Business NZ Energy Council (BEC) say.

Outdoor recreation

Crowds ski at Mt Hutt on brilliant winter's day

New Zealand Herald

MetService meteorologist Andy Best said the temperature didn't rise above 2C in Alexandra as low cloud hung in the valleys. Temperature in the ...

Satellites and radar

NOAA Claims Significant Cost Reduction for Polar **Weather Satellites**

SpacePolicyOnline.com

NOAA says a reassessment of its Polar Follow On (PFO) **weather satellite** program resulted in an almost 10 percent savings in life cycle costs ..

Space weather

How to Improve Space **Weather** Forecasting

Eos

Whereas **weather** forecasters can track storms using **satellite** imagery of the entire planet, space **weather** forecasters must rely on just a few **satellites** ...

Transport/roading/shipping/freight

NZTA to wrap up Transmission Gully negotiations within six weeks

New Zealand Herald

National's **transport** spokesman Chris Bishop questioned **Transport** Minister **Phil Twyford** and NZTA board chairman Sir Brian Roche in a select ...

Weathernews to join first crewless **ship** trial run

Digital Ship

2. Unique **meteorological** and oceanographic analysis and prediction using physical models and machine learning. 3. **Ship** performance estimation ...

Transport Agency drops Arthur's Pass snow closure plan

The Transport Agency has done a U-turn on its plan to close the South Island's Arthur's Pass to drivers until snow and ice is cleared.

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Today's clips come courtesy of MetService Library

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