

## **New Zealand weather and climate news**

Courtesy of MetService Library thanks

### **MetService mentions**

Little bit of sea-level rise = lots more coastal flooding

Scientists warn that a small amount of sea-level rise could have big consequences for some low-lying parts of New Zealand.

Auckland drought: Unprecedented water restrictions begin

Aucklanders face fines of up to \$20,000 from Saturday, for using hoses and water outdoors, as the worst drought in its history led to the introduction of mandatory bans.

A mainly fine weekend forecast

SunLive

The MetService is forecasting mostly fine weather this weekend, but showery easterlies will affect eastern parts of the North Island. "As a front moves ...

More rain, please...

Gisborne Herald

MetService's seven-day forecast features occasional showers today, more showers tomorrow and Monday, showers turning to rain on Tuesday and ...

## **NIWA**

Tangaroa Heads Back To Sea – With Social Distancing

NIWA's flagship research vessel Tangaroa will sail out of Wellington Harbour on Sunday for the first scientific voyage since the lockdown.

## **WMO**

## Aeolus provides data on Earth's winds

Posted:

New information about Earth's winds from the Aeolus satellite are now being distributed publicly in a major advance for weather forecasting and scientific monitoring of the atmosphere.

## WMO Updates Guidelines on Multi-Hazard Impact-Based Forecast and Warning Services

Posted:

The World Meteorological Organization is updating its 2015 Guidelines on Multi-Hazard Impact-Based Forecast and Warning Services (IBFWS), which promote best practice in development of effective...

## **ECMWF**

### Two European projects on weather-related hazards achieve their goals

ECMWF

The EU-funded IMPREX and ANYWHERE projects on weather-related hazards have received positive final review reports. ECMWF has contributed to ...

## **Extreme weather (and other news) – Antarctica and offshore**

### Birds of the Auckland Islands - Colin Miskelly: Lost Gold

Snipeologist, Te Papa ornithologist, founder of bird identification website [nzbirdsonline](http://nzbirdsonline) and identifier of Happy Feet [Colin Miskelly](http://colinmiskelly.com) tells Kathryn Ryan why birds have been taking his fancy for over four decades.

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

### Melbourne wakes up to the coldest morning of the year

9News

Weatherzone's Brett Dutschke Meteorologist said this morning was the coldest it has been this early in the year in over six years. A bout of cold ...

Climate change is still the Pacific's greatest threat – Regenvanu

Tropical Cyclone Harold showed us that Climate Change is still the Pacific's biggest existential threat, according to Vanuatu's opposition leader.

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

Officials order evacuations as Typhoon Ambo nears the Philippines

UPI.com

The powerful storm, also referred to as Vongfong by Japan Meteorological Agency, has been slowly approaching the eastern islands of the ...

Kerala to source weather inputs from four private agencies

The Hindu

... Kerala State Disaster Management Authority (KSDMA) decided to access inputs from Skymet Weather Services, Windy, the IBM Weather Company ...

### **Extreme weather (and other news) – Americas and Europe**

UK long-range forecast: Heatwave to return in 24C scorcher as 60mph winds to whip up storm

Express.co.uk

UK long range forecast met office temperature rain thunderstorms. UK long-range forecast: Scattered showers and thunderstorms 'possible' as hot ...

### **International news and research**

Cold War nuclear tests changed rainfall thousands of miles away

Phys.Org

Whether this has any meteorological application has been difficult to test, but the weapons test period presents a serendipitous opportunity to do so.

John Houghton (1931–2020)

Nature.com

Houghton headed the UK Met Office from 1983 to 1991. He became increasingly concerned about the impacts of human emissions on Earth's climate, ...

World's Best Weather Model

Soundings Magazine (press release) (blog)

NOAA is upgrading many of its systems to improve its weather forecasting abilities, which should benefit all boaters. iStock. In a way, Vaccaro says,

Microsatellites could provide data useful for rainfall forecasting – study

Rappler

These images have finer vertical resolution than other satellite data, enabling more precise measurements. For better weather forecasting. For a tropical ...

Exploring climate change impacts through popular proverbs

Phys.Org

Traditionally weather forecasting methods were critical to better cope with ... Certainly, the scientific data and literature for the region shows that ...

Even small disturbances can trigger catastrophic storms

Posted: 14 May 2020 08:58 AM PDT

Researchers used numerical models that started with simple conditions to better understand exactly how hurricanes arise.

New study could help better predict rainfall during El Niño

Posted: 13 May 2020 08:14 AM PDT

Researchers have uncovered a new connection between tropical weather events and US rainfall during El Niño years. The results can help explain why California received significantly less

rainfall than predicted during the 2015 El Niño event while massive flooding occurred in the Mississippi River basin.

NASA's ICESat-2 measures Arctic Ocean's sea ice thickness, snow cover

Posted: 14 May 2020 10:17 AM PDT

Arctic sea ice helps keep Earth cool, as its bright surface reflects the Sun's energy back into space.

Cyclone safety book for children

The new children's book – Cyclones – is the latest addition to the COPE Disaster Series designed to increase the disaster resilience of children

Tornado Alley in the Plains is an outdated concept. The South is even more vulnerable, research ...

Washington Post

Meteorologists argue this corridor of enhanced tornado activity across the South ... April 27, 2011, was a day that will live in meteorological infamy

### **Communications/social media**

Cell phone tower attacks 'putting lives at risk'

Attacks on cell phone towers may be putting lives at risk if they cause damage and people can't get through to emergency services.

Flood risk communication

A series of new briefs from the Bushfire and Natural Hazards CRC show the complexity of communicating flood risk, perceptions of driving and recreating in floodwater, and the experience of SES personnel

### **Covid-19 / Wellbeing**

The wellbeing approach is more important than ever in a crisis like Covid-19

The Spinoff

In their report, Beyond Growth, which cites New Zealand's Living Standards Framework as an exemplar, they argue, “our conception of economic ...

## **Energy and Mining**

OceanaGold posts 1Q loss as production declines

Kitco NEWS

(Kitco News) - OceanaGold Corp. (TSX: OGC, ASX: OGC) Thursday reported a loss in the first quarter, during which production also declined.

## **History**

Any Metservice staff who have a sprig of Campbell Island heather?

Myth and mystery behind Campbell Island's 'royal' resident

Our sub-Antarctic Islands hold many a mystery, perhaps the strangest being that of a young woman who supposedly lived alone on Campbell Island around 1810.

## **Infrastructure**

New Zealand allocates \$717m to boost railway infrastructure

Railway Technology

Transport minister Phil Twyford added: “The coalition government has a bold vision for a 21st century rail network as outlined in the draft New Zealand ...

Coronavirus covid: \$710m Puhoi to Warkworth highway faces rising costs and delays

New Zealand Herald

An analysis of bids from NZ Infra and Waka Kotahi has been considered by the Ministry of Transport, but the winner has yet to be decided. "We've been ...

## **Lightning**

### Lightning kills one, injures another in northern Thailand storms

The Thaiger

Weather. Lightning kills one, injures another in northern Thailand storms ... The Thai Meteorological Department has issued a warning for summer ...

## **Outdoor recreation**

### Government spends up on re-opening Fiordland's Great Walks

The government is spending \$13.7 million on repairing conservation and visitor infrastructure destroyed by flooding earlier this year in Fiordland.

### No restrictions on numbers when skifields open

Skifield operators will not be restricted in how many skiers they have on the slopes under Covid-19 Level 2 rules this season

## **Tourism**

### Coronavirus: Could take 3 years for international travel to make a full comeback, IATA predicts

Industry experts think it might take a few years for international travel to get back up and running at full capacity.

### Unchartered waters: Wellington's cruise ship plans run aground over Covid-19

Wellington's position as a popular cruise ship destination has struck a wall of Titanic-sized proportions.

## **Weather in pictures**

### 12-year-old photographer brings drought struggles home

The Jowsey family are among many Hawke's Bay farmers struggling with drought. The daily grind of feeding and watering stock on the parched paddocks is being documented on camera by the youngest in the family, 12-year-old Selby.

