

New Zealand weather and climate news

Courtesy of MetService Library

MetService focus

Fog disrupts flights at Dunedin Airport

Fog has caused the cancellation and delay of several flights in and out of Dunedin this morning.

Weather: 'Pretty complicated' week of weather expected starting with thunderstorms and downpours

There's a "pretty complicated" week of weather ahead, starting with rain across most of the country and potential thunderstorms in the north.

Severe weather warnings issued as front moves over New Zealand

MetService warns from early tomorrow conditions in the west of North Island are favourable for thunderstorm development, with Taranaki and Waitomo ...

Wet weather for most of the week

Otago Daily Times

MetService predicts an incoming front will bring rain or showers to the ... front means warm temperatures, especially in eastern places," a **MetService** ...

Weather: Winter is coming - rain forecast throughout New Zealand this week

New Zealand Herald

Photo / **MetService** Twitter. NZ Herald. They say when it rains, it pours - and that's what it's set to do across New Zealand for much of this week.

Weather: Warm temperatures, heavy rain forecast for parts of the South Island

Stuff.co.nz

According to **MetService**, a warm afternoon is forecast across most of the country on Saturday. Christchurch in particular is forecast to reach ...

Weather: Damp week for most of the country, set to ease in time for Easter

The tail-end of the week's wet weather will linger for the start of the long weekend for most, but the showers are set to ease by Easter Sunday.

WMO

World Met Day rallies attention around the ocean

The United Nations family, the ocean and scientific communities and National Meteorological and Hydrological Services around the world rallied in support of World Meteorological Day and its theme...

New observing system financing initiative wins support

Posted:

A major new proposed financing initiative to close the increasing gaps in the global observing system, which underpins all weather forecasts and early warnings, has received overwhelming support from...

Libya witnessed a severe sandstorm turning the sky yellow

Posted:

The central and southwestern regions of Libya witnessed a severe sandstorm turning the sky yellow on 22 March. This was due to a deep air depression of 996 millibars accompanied by strong...

Volcano alert/watch

Auckland could have similar volcanic eruption to the one drawing crowds in Iceland

Stuff.co.nz

In Iceland eruptions bring tourism boom. The lava coming up in Iceland seemed ...

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

'Meteorologists save lives'

Fiji Times

EVERY Fijian heavily relies on information provided by the Fiji **Meteorological** Service (FMS) during natural disasters, says the director Geoscience, ...

Elderly NSW flood veterans can help predict weather cycles, expert says

Ted Books admits his memory isn't what it used to be, after all, he's 86.

But there's one thing the Sydney man can recount without skipping a beat — floods.

He remembers hauling people into rescue boats on the Hawkesbury River in the 1950s and 60s, when things got really bad.

Satellite images of Hawkesbury River flooding show true extent of NSW devastation

Satellites orbiting the earth's exosphere have been able to capture the true extent of the past week's flood devastation in NSW.

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

Move to impact-based weather forecasting assisting South Africa, says Creecy

Creamer Media's Engineering News

“Using our state-of-the-art **technology** and collaborating with other international organisations, we were able to give accurate hour-by-hour information ...

Construction begins for largest water reclamation facility in Philippines

GMA News

Construction has begun for the P10.5-billion Caloocan-Malabon-Navotas (CAMANA) Water Reclamation Facility (WRF) project of the **Maynilad Water** ...

Chinese Navy Harvests Data From South China Sea

Radio Free Asia

Chinese Navy **meteorologists** carry out observations on Fiery Cross Reef in the Spratly Islands in a file photo. State Media. China's new militarized ...

Deadly heat waves will be common in South Asia, even at 1.5 degrees of warming

Posted: 24 Mar 2021 12:51 PM PDT

A new study projecting the amount of heat stress residents of the region will experience in the future finds with 2 degrees Celsius of warming, the population's exposure to heat stress will nearly triple.

Extreme weather (and other news) – Americas and Europe

Six dead as destructive tornadoes cut across Alabama, Georgia

Washington Post

An outbreak of severe **weather**, including several destructive tornadoes, swept across the South Thursday, killing at least five people **in** Alabama and ...

Meteorologists explain how they didn't see derecho coming

KCCI Des Moines

Bill Gallus is a professor of **meteorology** at Iowa State University where he has ... But **meteorologists** have access to more than 100 different models for ...

International news and research

National Weather Service turbocharges its forecast model to better predict extreme events

Brinkwire

'**Weather forecasting** improvements that increase accuracy and warning time will give people more time to prepare and will save lives.' In addition to ...

Air quality / air pollution

Stantec and BlueSky Resources to provide near real-time tracking data for air pollutants, GHG ...

StreetInsider.com

Stantec's **Innovation** Office, as part of its mandate to identify and incubate ... and fixed-ground sensors alongside models, reports, and **weather** data.

Climate change / global warming

What Role can Advanced Weather Forecasting have in Providing Climate Crisis Solutions?

AZoCleantech

Global travel and **shipping** contribute significantly to global warming. Aircraft, **ships**, cars – nearly all modes of transportation emit harmful greenhouse ...

Facing sweltering soldiers and flooded ports, NATO to focus on climate change

Washington Post

“Climate change is a crisis multiplier,” Stoltenberg said in an interview. “Climate change will lead to more extreme **weather**, to droughts and to flooding, ...

Clouds

Aerosol formation in clouds

Posted: 24 Mar 2021 11:28 AM PDT

Researchers have explored how chemical reactions in clouds can influence the global climate. They found that isoprene, the dominant non-methane organic compound emitted into the atmosphere, can strongly contribute to the formation of organic aerosols in clouds.

Cloud seeding / Geoengineering

Solar Geoengineering Should be Investigated, Scientists Say

Recommendation from the National Academies stirs controversy over consequences

Ethiopia's Surprise Entry Into Cloud Seeding Technology

AllAfrica.com

Thailand started a rain-making project in the late-1950s, known today as the **Royal Rainmaking Project**. Its first efforts scattered sea salt in the air to ...

Covid-19 / Wellbeing

People Gave Up on Flu Pandemic Measures a Century Ago when They Tired of Them--and Paid a Price

A now familiar 21st-century scenario of circumventing public-health strictures played out as well at the beginning of the 20th century

Farming/horticulture/Aquaculture

Weather, labor and shipping impact NZ apple/pear season

FreshPlaza.com

Weather, labor and **shipping** impact NZ apple/pear season. The total production of New Zealand apples and pears this season is estimated to be ...

Fire

Predicting Wildfires with Advanced Weather Forecasting Technology

AZoCleantech

Predicting Wildfires with Advanced **Weather Forecasting** Technology ... a GIS layer service containing the latest fire hotspot **data** and also showing the ...

Once-in-a-century UK wildfire threats could happen most years by end of century

Posted: 24 Mar 2021 06:47 AM PDT

Researchers looked at current frequency of weather conditions in the UK that present 'very high' or 'exceptional' fire danger, and found these conditions could occur hundreds of times more often in some regions by the 2050s and 2080s as temperatures rise and summer rainfall decreases.

Innovation, Technologies and AI

NOVELTIS Launches enovOcean.com Marine Weather Forecast

The Maritime Executive

NOVELTIS launched enovOcean, a new **marine weather** forecast e-platform that features in-depth information while being practical and user-friendly.

Drones are now delivering smartphones in Ireland

Innovation Origins

... of the University College Dublin's NovaUCD research and **innovations** unit, ... It is unclear whether it is the **weather** or the technical limitations of the ...

Satellites and radar

Remembering Dick Doviak, the 'father' of Doppler radar: 'He's a legend'

Oklahoman.com

Radar technology in **weather forecasting** has advanced greatly over the past half-century, in large part because of the work of a humble, hard-working ...

Transport/roading/shipping/freight

How a Desert Wind Blew \$10 Billion of Global Trade Off Course

Bloomberg

The giant Ever Given container **ship** remains wedged in the Suez Canal. ... Indeed, such **weather** is common in the Sinai desert at this time of year.

Weather routeing cuts container loss risks

Riviera Maritime Media

Shipping companies can lower fuel costs and mitigate the risk of damage to **ships** and cargo.

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