

New Zealand weather and climate news

These clips come courtesy of MetService

MetService

Rain forecast for Hawke's Bay then weather settles for the weekend

MetService meteorologist Ciaran Doolin said despite a wet outlook for the week, Hawke's Bay is still in a relatively good position compared to other parts of the country.

https://www.nzherald.co.nz/weather/news/article.cfm?c_id=10&objectid=12072433

Auckland Airport lifts fog restrictions

Fog restrictions at Auckland Airport have now been lifted but dozens of flights remain delayed and others cancelled.

<https://www.radionz.co.nz/news/national/359726/auckland-airport-lifts-fog-restrictions>

Weather: Cloud, showers and rain on the way for Auckland, North Island

MetService meteorologist Josh Griffin said the North Island was experiencing a northwesterly flow, which would bring showers, particularly for western areas.

https://www.nzherald.co.nz/nz/news/article.cfm?c_id=1&objectid=12072177

Look to the east for best chance to catch Matariki cluster, MetService says

Aotearoa's best spot to catch a glimpse of tonight's Matariki star cluster is to the east in Gisborne and Hawke's Bay, where MetService forecasts a cloudless night.

<https://www.stuff.co.nz/national/104769267/look-to-the-east-for-best-chance-to-catch-matariki-cluster-metservice-says>

Extreme weather (and other news) – Australia and Pacific

Brutal winds and heavy rain set to lash Sydney

A severe weather warning has been issued for the Sydney coast, with the Bureau of Meteorology warning of wind gusts of up to 90km/h from today.

<https://www.9news.com.au/national/2018/06/17/07/31/cold-snap-cold-weather-nsw-act-victoria-south-australia-tasmania-perth>

The 5G network threatens to overcrowd the airwaves, putting weather radar at risk

The new 5G network promises to revolutionise mobile telecommunications. But it could also push telecommunications companies onto the frequencies used by the Bureau of Meteorology's weather radars, indirectly putting the accuracy of weather information at risk.

<https://theconversation.com/the-5g-network-threatens-to-overcrowd-the-airwaves-putting-weather-radar-at-risk-97179>

Meteorological Office Clarifies Report On Radars

The Fiji Meteorological Office has clarified reports that their weather radars were not operational.

FMO director Ravind Kumar said the weather radars based in Nadi and Nausori were not working because of technical problems.

<http://fijisun.com.fj/2018/06/15/meteorological-office-clarifies-report-on-radars/>

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

Nepal receiving rains mixed with dust particles from Rajasthan

Nepal is receiving rains mixed with dust particles spread from desert in Rajasthan, meteorological officials said today, warning that such rain may contain chemical elements.

<http://www.dailypioneer.com/india-abroad/nepal-receiving-rains-mixed-with-dust-particles-from-rajasthan.html>

Extreme weather (and other news) – Americas and Europe

\$400M Ontario windstorm ‘not quite’ the new normal

If water is the new fire, then what is weather?

For Paul Kovacs, executive director of the Institute for Catastrophic Loss Reduction (ICLR), weather is definitely what will be taking the lion’s share of payouts in the next quarter century.

<https://www.canadianunderwriter.ca/catastrophes/400m-ontario-windstorm-not-quite-new-normal-1004133221/>

Glasgow Weather Service Celebrates Diamond Anniversary

The National Weather Service in Glasgow celebrated their diamond anniversary on June 6. For 75 years, our local meteorologists have done our community a great service by providing each and every one of us what to expect from Mother Nature day in and day out.

<http://www.glasgowcourier.com/story/2018/06/13/news/glasgow-weather-service-celebrates-diamond-anniversary/6307.html>

Trump’s Pick to Lead Weather Agency Spent 30 Years Fighting It

A high-pressure lobbying system raises the question: Who owns the weather?

<https://www.bloomberg.com/news/features/2018-06-14/trump-s-pick-to-lead-weather-agency-spent-30-years-fighting-it>

International news and research

Havre - the world's largest deep ocean volcanic eruption

A floating raft of pumice up to five metres thick, that covered 400 square kilometres of ocean. Giant hunks of pumice the size of SUVs, strewn across kilometres of seafloor. A thick layer of sticky ash. Fourteen lava flows.

<https://www.radionz.co.nz/national/programmes/ourchangingworld/audio/2018648947/havre-the-world-s-largest-deep-ocean-volcanic-eruption>

To forecast winter rainfall in the Southwest, look to New Zealand in the summer

El Niño was long considered a reliable tool for predicting future precipitation in the southwestern United States, but its forecasting power has diminished in recent cycles, possibly due to global climate change. In a study published today in *Nature Communications*, scientists and engineers at the University of California, Irvine demonstrate a new method for projecting wet or dry weather in the winter ahead.

Read more at: <https://phys.org/news/2018-06-winter-rainfall-southwest-zealand-summer.html#jCp>

New method makes weather forecasts right as rain

Meteorologists have known for some time that rainfall forecasts have flaws, as failure to take into account factors such as evaporation can affect their accuracy. Now, researchers have developed a system that improves the precision of forecasts by accounting for evaporation in rainfall estimates, particularly for locations 30 miles or more from the nearest National Weather Service radar.

<https://www.sciencedaily.com/releases/2018/06/180615154505.htm>

Weather forecasts may get precise soon

It has been a known fact for long that rain forecasts are flawed, as a lot of factors like evaporation are not taken into account.

https://www.business-standard.com/article/news-ani/weather-forecasts-may-get-precise-soon-118061600392_1.html

Did disastrous hurricanes like Katrina happen in the 1900s?

Friday, June 15, 2018, 2:56 PM - After 2017's historic hurricane season that caused thousands of deaths and hundreds billions of dollars in damage, scientists are looking into past environmental conditions to investigate how hurricane patterns have changed in the last century.

<https://www.theweathernetwork.com/news/articles/hurricane-simulation-climate-change-global-warming-weather-modelling-sandy-harvey-maria-katrina-carbon-dioxide-water-vapour/104728>

How weather affects the game of golf

Golf is just as much of a mental game as it is a physical game. Weather can also large role in the golf course as well. With the 2018 U.S Open beginning on June 14, let's find out how weather impacts the game.

<https://www.msn.com/en-us/video/t/how-weather-affects-the-game-of-golf/vp-AAyBLce>

How temperature can affect kicking distance during the World Cup

Weather is sure to play a role during the 2018 World Cup in Russia. Here's how it can affect the behavior of the soccer ball itself.

<https://www.msn.com/en-us/video/t/how-temperature-can-affect-kicking-distance-during-the-world-cup/vp-AAyr4jx>

WMO

Climate Risk and Early Warning Systems initiative expands its coverage

An international initiative to improve early warning systems against extreme weather and support climate change adaptation is gaining momentum to protect more people in more places. Financing has been extended to cover the Caribbean and West African regions.

[Read more here](#)

Roshydromet provides meteorological support for the events of the FIFA World Cup 2018

Roshydromet provides operational hydrometeorological information to all viewers, organizers of the FIFA World Cup 2018 and providing services. This work involves the Hydrometeorological Centre of Russia, as a centre for the collecting and dissemination of prognostic information, and specialists of regional prognostic offices of Roshydromet from the cities which host football matches.

[Read more here](#)

South Asia seeks to improve flash flood early warnings

In the South Asia region, flash floods account for a significant portion of the casualties and property damages that result from flooding. Given that flash floods can occur at any time or place, with potentially disastrous results, there is an urgent need to prioritize efforts that aim to improve early warnings capabilities.

[Read more here](#)

Business development / commodities / infrastructure etc

Climate change, extreme weather boost supply chain risks

SOUTHAMPTON, Bermuda — Climate risks are directly connected to supply chain risks that should be identified and mitigated as extreme weather events continue to become more severe and intense and cause rising business interruption losses, experts say.

<http://www.businessinsurance.com/article/20180613/NEWS06/912321991/Climate-change-extreme-weather-boost-supply-chain-risks>

Aviation

Caltrans Announces Aviation Information Web Portal

Caltrans announced June 13, that a new aviation portal is now available to provide crucial information for pilots, airport operators, first responders and others who need real-time weather conditions throughout California.

http://www.aviationpros.com/press_release/12416737/caltrans-announces-aviation-information-web-portal

Rocket Lab founder Peter Beck on economy issues

Possibly Hawke's Bay's most forward-thinking business resident - the US-based Rocket Lab - set up a rocket launch facility in Mahia, in part, due to the region's ability to 'get things done' and founder Peter Beck sees more opportunities ahead for the region.

https://www.nzherald.co.nz/hawkes-bay-today/news/article.cfm?c_id=1503462&objectid=12071349

Climate change / global warming / sea level rise

Contrary to most doomsday visions, climate change will probably make for smaller waves and calmer seas

Unfortunately, it's still going to suck.

<https://www.popsci.com/climate-change-extreme-waves>

Eating your greens could become more costly due to climate change

The amount of vegetables produced could fall by more than a third, especially in hot regions, researchers say

<http://news.trust.org/item/20180611190018-7gobf/>

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