

New Zealand weather and climate news

Courtesy of MetService library

MetService mentions

Another sunny week in store for Hawke's Bay

New Zealand Herald

MetService is forecasting fine weather right through Wednesday, when Central Hawke's Bay could see a few isolated afternoon showers. Both Napier ...

Fine warm spell settles in across the country; no rain in sight until mid-week, at least

Stuff.co.nz

MetService is forecasting the warmest parts of the country will be Central Otago and eastern areas. Alexandra is forecast to get to 30 degrees Celsius ...

30-degree days on the cards as warm weather settles about the country

Stuff.co.nz

... hot days, with Alexandra forecast to reach 30C on Friday, and 29C is also expected in Blenheim, **MetService** meteorologist Aidan Pyselman said.

MetOcean

ABPmer's **metocean** information enhanced in Northeast Asia

Windtech International

To support client projects in Northeast Asia, ABPmer, has further refined its SEASTATES **metocean** information across this region. Enhancing their ...

Aitana Forcén-Vázquez, Michael J. M. Williams, Melissa Bowen, Lionel Carter & Helen Bostock (2021) **Frontal dynamics and water mass variability on the Campbell Plateau**, New Zealand Journal of Marine and Freshwater Research, 55:1, 199-222, DOI: [10.1080/00288330.2021.1875490](https://doi.org/10.1080/00288330.2021.1875490)

The Campbell Plateau is a dominating bathymetric feature of New Zealand's subantarctic region, strongly influencing the dynamics of both the Subtropical Front (STF) to the north and the Subantarctic Front (SAF) to the south. We present a consistent survey across New Zealand's

subantarctic of the relationships between front positions, bathymetry and water masses. The northwest side of the Campbell Plateau is comparatively warm due to a southward extension of the STF over the plateau. The SAF is steered south and east by the combined effect of the plateau and Macquarie Ridge, with waters originating in the SAF also found north of the plateau. Formation of Subantarctic Mode Water (SAMW) is confirmed, with a deep reservoir of SAMW persisting nearly a year after formation. Antarctic Intermediate Water (AAIW) is observed around the edges of the plateau, but not present on the plateau, confirming that the waters on the plateau are isolated from deeper Southern Ocean.

NIWA

Rising tides put up to 94 schools at risk of flooding and closures

New Niwa models show Canterbury, Bay of Plenty and Waikato schools are the most likely to be hit by coastal flooding caused by up to 1 metre of sea level rise.

WMO

Extreme winter weather hits USA, Europe

Large swathes of North America have been gripped by cold and heavy snowfall, causing loss of life, major traffic chaos and power outages for millions of people. The prolonged freeze, which saw many...

WMO boosts regional cooperation in Asia-Pacific

WMO boosts regional cooperation in Asia-Pacific The Typhoon Committee, which symbolizes the successful cooperation between WMO and the United Nations Economic and Social Commission for Asia and the...

Make peace with nature, says new UN report

The world can transform its relationship with nature and tackle the climate, biodiversity and pollution crises together to secure a sustainable future and prevent future pandemics, according to a new...

Volcano alert/watch

Series of overnight steam explosions at Whakaari/**White Island**

New Zealand Herald

A series of steam explosions have been observed at Whakaari/**White Island** early this morning - but scientists say activity on the off-shore island has ...

Extreme weather (and other news) – Antarctica and offshore

Lost at sea: a shipwreck obscured by ocean waves and mysterious circumstances

A historian is hoping to solve the mystery of who built a sod hut on New Zealand's southernmost island.

Norman Judd is in a race against time to uncover the secrets of the isolated dwelling on Campbell Island/Motu Ihupuku before nature takes over.

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

In Pictures: Jakarta slammed by monsoon floods

Aljazeera.com

Indonesia's **meteorology** agency (BMKG) has said the heaviest rain of the season ... with extreme **weather**, including heavy rain, thunder and strong winds, ... Indonesia is already grappling with Southeast **Asia's** highest caseload and ...

Extreme weather (and other news) – Americas and Europe

Climate change and record cold: What's behind the arctic extremes in Texas

CBS News

The science of **meteorology** has come a long way in the past few decades, so much so that **meteorologists** saw this extreme winter weather coming ...

Texas smothered with snow like we've never seen, satellite shows

mlive.com

Weather satellites can take an actual picture of the ground, and it's white over Texas today. We get a great glimpse at the expanse of snow that has ...

Acropolis, Parthenon and temple of Zeus covered by rare heavy snow as cold snap hits Athens

Thick snow has covered the Greek capital of Athens as a cold spell swept through the country, causing blackouts, disrupting travel and halting COVID-19 vaccinations.

International news and research

Weathernews heads for the top as the 'one stop shop' for weather risk and voyage optimization ...

Hellenic Shipping News Worldwide

Tokyo-headquartered Weathernews is a full-service **weather company** delivering weather content and risk communications to 44 markets ...

How Computer Modeling and Simulation Could Have Prevented Texas Weather Crisis

Datamation

As **technologies** advance, it often takes a while for people to implement them effectively. Take computer modeling, for instance, yes you can use it to ...

NOAA expands purchase of commercial radio occultation data for weather models

SpaceNews

NOAA will dramatically expand the number of daily radio occultation soundings it acquires from commercial **satellites** operated by GeoOptics and Spire ...

US Air Force Gets Powerful Supercomputing Technology

i-HLS - Israel Homeland Security

A new supercomputer will support the US Air Force **meteorology** division, for R&D on new **weather** forecasting capabilities. The new system will be 6.5X ...

Challenge of the summer rainfall forecast in China: A possible solution

Phys.Org

Meteorologists are seeking ways to improve seasonal prediction of the relationship between the Mongolian cyclone and the South **Asia** high.

Business/Insurance

Winter Storm Uri to Generate Billions in Insured Losses: Moody's

Insurance Journal

The Insurance Council of Texas (ICT) has said the storm “may be the costliest winter weather event in the state's history.” Hundreds of thousands of ...

Climate change / global warming

Climate change and fire suppression

The unprecedented and deadly blazes that engulfed the American West in 2020 attest to the increasing number, size and severity of wildfires in the region. And while scientists predict the climate crisis will exacerbate this situation, there's still much discussion around its contributing factors.

Communications/social media

TV Broadcast revolution: Companies unite to create new digital platform

Khmer Times

Hang Meas and Reaksmey Hang Meas Radio and TV Group consists of **Hang Meas TV**, Reaksmey **Hang Meas TV**, Hang Meas Radio 104.5 MHz, ...

Former New Zealand Facebook boss slams move to block Australian news

New Zealand Herald

Users were outraged yesterday after realising Facebook had banned links to the Bureau of **Meteorology** and several health websites, but officials have ...

Transport/roading/shipping/freight

News / 'Several hundred' boxes lost overboard in new transpacific vessel casualty

theloadstar.com

A World Shipping Council report in November said the annual average loss of containers overboard from the circa-5,000 container vessels in ...

Maersk ship lost "several hundred containers" in the Pacific

ShippingWatch UK

One of Maersk's container ships has lost containers in the Pacific, after the ship encountered engine problems due to harsh weather, says Maersk in a ...

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Weather Eye with John Maunder

<https://www.sunlive.co.nz/blogs/15382-tropospheric-temperatures-january-1979-to-january-2021.html>

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