Weather or Climate?

Junior Science



Directions: Read the following statements and write "weather" or "climate" or "both" Weather, or Statement climate? 1. January 2018 (New Zealand mean temperature 20.3°C; 3.1°C higher than the 1981-2010 January average) was New Zealand's hottest month on record, which of course means it was additionally the country's hottest January on record https://www.niwa.co.nz/climate/monthly/climate-summary-for-january-2018 2. With a mean annual rainfall of 6,412 mm each year, a high level even for the West Coast, Milford Sound is known as the wettest inhabited place in New Zealand and one of the wettest in the world. Rainfall can reach 250 mm (10 in) during a span of 24 hours. https://en.wikipedia.org/wiki/Milford Sound 3. On 23rd September, 2018, the temperature in Cambridge reached a high of 16°C https://www.windy.com 4. Snow is more common inland in both main islands of New Zealand, though snow to sea level does occur on average once or twice per year in the central and southern South Island. https://en.wikipedia.org 5. On 10 April 1968: Cyclone Giselle caused peak gusts of 145 knots (270 km/h) near Wellington, after colliding with an Antarctic storm moving north. Giselle led to the sinking of the interisland ferry TEV Wahine, and the loss of 53 lives. Total damage caused by the storm was estimated at \$14 million. https://en.wikipedia.org 6. In New Zealand generally there are relatively small variations between summer and winter temperatures, although inland and to the east of the ranges the variation is greater (up to 14°C) https://www.niwa.co.nz 7. NEW ZEALAND HERALD "Severe rain warnings after flooding overnight" 9 Jul, 2018 https://www.nzherald.co.nz 8. 25 July and 14 August 2011 New Zealand snowstorms: The first severe winter storm brought the coldest winter snap in fifteen years. During August snow fell consistently down to sea level in Wellington for the first time since 1976, and snowflakes even fell for a brief time in <u>Auckland</u> for the first time in 80 years.

https://en.wikipedia.org

9. Antarctica is the coldest, windiest and driest continent. Scott Base is New Zealand's permanent Antarctic base. Sited on the coast, temperatures, although very low, are higher than those recorded inland.

https://www.niwa.co.nz

10. Future High and low temperature extremes in New Zealand: "Increasing temperatures result in more "hot days" and fewer frosts. New Zealand does not experience the extreme high temperatures that occur in many other parts of the world. A daily maximum temperature threshold of 25°C has therefore been chosen to mark a "hot day" https://www.niwa.co.nz

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