The Wind Chill Factor

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The Wind Chill Factor

Wind chill or windchill (popularly wind chill factor) is the lowering of body temperature due to the passing-flow of lower-temperature air. Wind chill numbers are always lower than the air temperature for values where the formula is valid. When the apparent temperature is higher than the air temperature, the heat index is used instead.

Wind chill - Wikipedia

Wind Chill converted to Knots. Have more questions? Check our Frequently Asked Wind Chill Questions, Terms and Definitions page and download our free wind chill brochure. Wind Chill Calculator: Air Temperature : Wind Speed : Wind Chill Temperature: Wind Chill Temperature is defined only for temperatures at or below 50°F and wind speeds above 3 ...

Wind Chill Chart - National Weather Service

The wind chill calculator only works for temperatures at or below 50 ° F and wind speeds above 3 mph. What is the formula for the wind chill script?

Wind Chill Calculator - National Weather Service

Canada's Wind Chill Index. Canada's wind chill index is accurate, easy to understand and reflects the needs of Canadians. It is based on research using human volunteers and advanced computer technology, combined with recent medical advances in the understanding of how the body loses heat when exposed to cold.

Wind chill index - Canada.ca

How is the wind-chill factor calculated? Mick Rawlinson, Brighton. Post your answers (and new questions) below or send them to ng@theguardian.com. A selection will be published on Sunday.

How is the wind-chill factor calculated? | Meteorology ...

Wind Chill Calculator. Enter a temperature, in either Fahrenheit or Celsius. Then enter a Wind Speed, in either Knots or Mph. Then Click Calculate. Temperature °F °C Wind Speed Mph Knots Wind Chill °F °C: Wind Chill Chart and Explanation. Winter Weather Forecasts More Meteorological Conversions and Calculations ...

Wind Chill Calculator - Weather Prediction Center

So, the main story for today will be the continuation of blustery to gusty winds, Arctic cold, and very low wind chills. WIND CHILL ADVISORY REMAINS IN EFFECT UNTIL 1 PM TODAY. WHAT: Very cold wind chills expected. Wind chills as low as 20-30 below zero. WHERE: Portions of central and southern New Hampshire. WHEN: Until 1 p.m. this afternoon.

Saturday's weather: Sunny, cold and blustery, a high of ...

wind chill (plural wind chills) (meteorology) A measure of how cold the atmosphere feels, taking not just actual temperature into account, but also wind, which can make the air considerably colder; Alternative forms . windchill; Derived terms . wind chill factor; See also . humidex; heat index

wind chill - Wiktionary

Understand wind chill. Wind chill is an invented concept that describes how wind increases heat loss on exposed skin. In extreme conditions, this can be a major factor in how soon frostbite sets in. At a wind chill temperature below $-19^{\circ}F$ ($-28^{\circ}C$), frostbite will occur on exposed skin within 15 minutes or less.

3 Ways to Calculate Wind Chill - wikiHow

The Wind Chill Calculator uses the following formulas to calculate the wind chill factor: WC (Wind Chill, $^{\circ}F$) = 35.74 + 0.6215 × T - 35.75 × V 0.16 + 0.4275 × T × V 0.16. Where: V is the wind speed in miles per hour (mph), T is the air temperature in Fahrenheit ($^{\circ}F$). ...

Wind Chill Calculator | Good Calculators

The greatest range of wind speeds for effect is from 5 to 50 MPH statute. While the change in the wind chill factor above 50 MPH statute is not really negligible, it is minimal. That wind effect tends to evaporate the moisture from the air and cause the enhanced cooling effect to humans, plants and animals, just as a breeze does on a hot summer ...

Wind Chill Calculator - CSGNetwork

Much of Aroostook County is under a wind chill warning until noon Tuesday, January 11, with a wind chill advisory in effect Tuesday afternoon until 6 p.m.. That means it's going to be dangerously COLD with wind chill factors as low as 30 - 40 below. Potential risks are frostbite and hypothermia.

6 Tips to Make It Through the Wind Chill Factor

Dear Tom, What is the lowest wind chill ever recorded in Chicago? —Guillermo Costales Chicago Dear Guillermo, During the late 1970s and early 1980s, Chicago experienced some of its worst winters ...

What is the lowest wind chill ever recorded in Chicago ...

A wind gust of 64mph was recorded at Bellingham International Airport today at 6:53pm with sustained wind of 30mph. At that time, the temperature was reported as 10°F, resulting in a wind chill factor of -12°F.

Wind chill and high wind warnings issued for Whatcom ...

Snow accumulations of 2 to 7 inches. Locally higher amounts possible. Winds gusting as high as 35 mph. For the Wind Chill. Advisory, very cold wind chills expected. Wind chills as low as 30 below ...

Wind Chill Advisory issued for majority of KMAland ...

A contributing factor may be wind chill. Wind chill is the combined effect of temperature and wind on your body. As the wind blows over your body, it causes sweat to evaporate from your skin ...

What is wind chill and how fast can it cause frostbite ...

(KMAland) -- The National Weather Service has issued a wind chill advisory for a large portion of KMAland. * WHAT...Very cold wind chills expected. Wind chills as low as 25 below zero. * WHERE ...

Wind Chill Advisory for portions of KMAland | Breaking ...

Wind Chill, Snow Estimates Revised: Hudson Valley Forecast - Nyack-Piermont, NY - The weekend will be a winter weather whirlwind starting with "a double bombogenesis" Friday night.

Wind Chill, Snow Estimates Revised: Hudson Valley Forecast ...

Wind chill readings around 9 a.m. Tuesday are expected to be at their coldest of the day. (Courtesy WeatherBELL) With light winds and clear skies overnight Tuesday, temperatures will fall again to ...

Arctic air brings extreme cold temps, subzero wind chill ...

A contributing factor may be wind chill. Wind chill is the combined effect of temperature and wind on your body. As the wind blows over your body, it causes sweat to evaporate from your skin, cooling you down. It is the combination of cold temperatures and evaporation that leads to wind chill.

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