

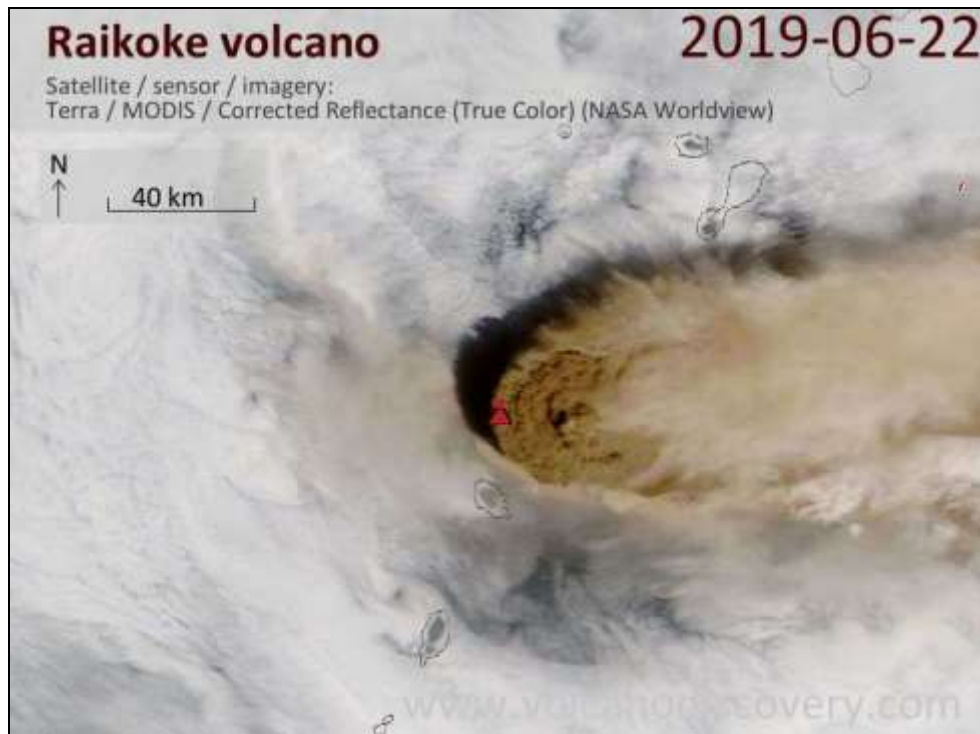
BOB HOYE

AUGUST 27, 2019

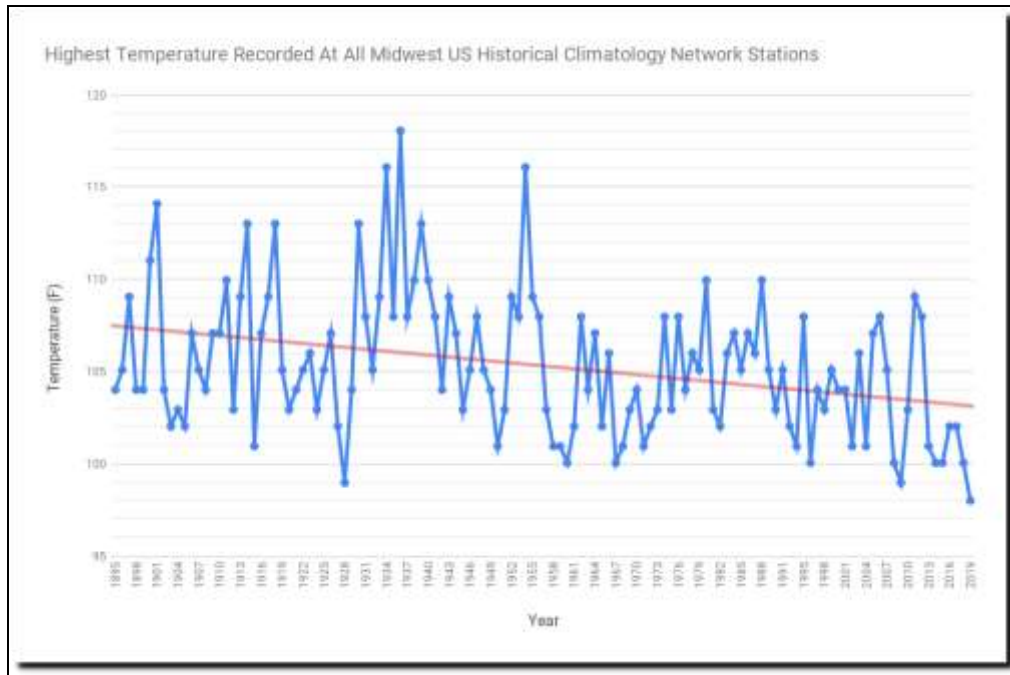
Cool Northern Hemisphere Winter?

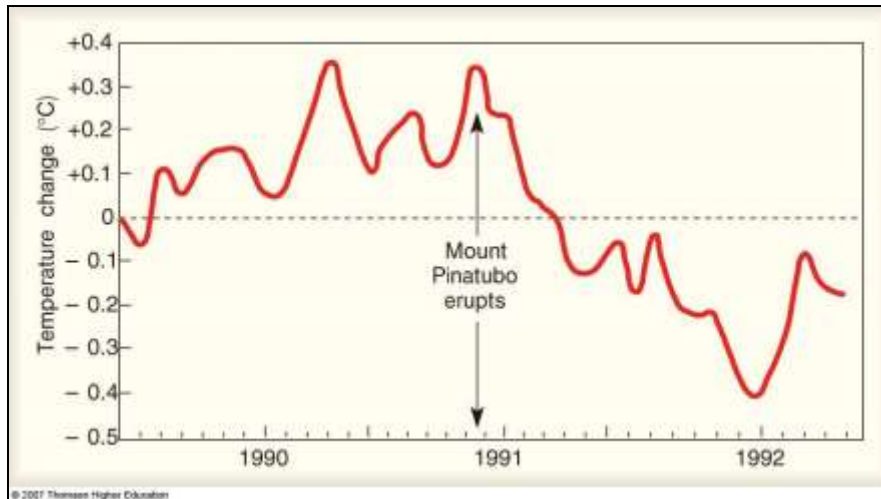
“Why Are Sunsets Turning Purple” was yesterday’s headline in *SpaceWeather.com*, a site we check daily. Dr. Tony Phillips runs it and Tony is a physicist formerly with NASA – who seems to have a practical approach to climate. His explanation of the “Purple Skies” is that a couple of volcanoes recently erupted with enough energy to drive ash and sulfur aerosols to 50,000 feet. This screens out enough of the sun’s energy to force some near-term cooling. How much won’t be known for a while.

On June 22nd, it was Raikoke in the Kuril Islands and on August 3rd it was Ulawan in New Guinea.



Interesting enough, but as Electroverse.net reported yesterday: **“Monster Eruption at Kamchatka (Shiveluch)”** The eruption soared to some 70,000 feet and is continuing. It is being ranked as a VEI 5/6 eruption, described as Plinian. It could be the biggest since Pinatubo in 1991 in the Philippines. VEI is **V**olcanic **E**xplosivity **I**ndex.





Beyond overall cooling, such eruptions include CO₂ and also push the jet stream around. So, while the El Nino still lingers, this winter could be cooler than otherwise, punctuated by some of those evil “Polar Vortexes”.



A two-megawatt windmill is made up of 260 tons of steel that required 300 tons or iron ore and 170 tons of coking coal, all mined, transported and produced by hydrocarbons. A windmill could spin until it falls apart and never generate as much energy as was invested in building it.