

global temperature record wikipedia - detailed information exists since 1850 when methodical thermometer based records began tree rings and ice cores from 1 000 2 000 years before present, **temperature record of the past 1000 years wikipedia** - the temperature record of the past 1 000 years is reconstructed using data from climate proxy records in conjunction with the modern instrumental temperature record which only covers the last 150 years at a global scale, **6 6 the last 2 000 years ar4 wgi chapter 6 palaeoclimate** - 6 6 1 northern hemisphere temperature variability 6 6 1 1 what do reconstructions based on palaeoclimatic proxies show figure 6 10 shows the various instrumental and proxy climate evidence of the variations in average large scale surface temperatures over the last 1 3 kyr, **paleoclimatology data national centers for environmental** - paleoclimatology data are derived from natural sources such as tree rings ice cores corals and ocean and lake sediments these proxy climate data extend the archive of weather and climate information hundreds to millions of years, **carbon dioxide the dominant control on global temperature** - because the water contained in land based ice sheets is ultimately derived from the ocean over long geological timescales global sea level is largely determined by global temperature and consequently the temperature dependent volume of ice stored on land since the concentration of carbon, **non existent relationship co2 temperature correlation** - it pains me to disagree with the esteemed and erudite gosselin actually there is a stunning $r = 0.95$ correlation between the concentration of co2 and temperature over the last 850 000 years, **global surface temperature change hansen 2010** - abstract 1 we update the goddard institute for space studies giss analysis of global surface temperature change compare alternative analyses and address questions about perception and reality of global warming, **climate change vital signs of the planet evidence** - the planet s average surface temperature has risen about 2.0 degrees fahrenheit 1.1 degrees celsius since the late 19th century a change driven largely by increased carbon dioxide and other human made emissions into the atmosphere 5 most of the warming occurred in the past 35 years with 16 of the 17 warmest years on record occurring since, **updated global temperature no global warming for 17 years** - updated global temperature no global warming for 17 years 6 months no warming for 210 months, **does co2 always correlate with temperature and if not** - surface temperature measurements are affected by short term climate variability and recent warming of deep oceans the amount of co2 is increasing all the time we just passed a landmark 400 parts per million concentration of atmospheric co2 up from around 280ppm before the industrial revolution, **historical perspective this dynamic earth usgs** - in geologic terms a plate is a large rigid slab of solid rock the word tectonics comes from the greek root to build putting these two words together we get the term plate tectonics which refers to how the earth s surface is built of plates, **ipcc updates for geography teachers metlink teaching** - tropical sea surface temperature from 3.5 ma million years ago to present this figure shows that there was a slow cooling of climate over the last 3 million years as polar ice sheets grew partly in response to continental drift, **a major federal report finds that the speed of imageo** - the peer reviewed report involving 85 scientists finds that the arctic environmental system has reached a new normal, **sea level rise over the next 2000 years antarctic glaciers** - the large greenland ice sheet 7 m sea level equivalent is likely to be a significant contender in global sea level rise over the next few thousand years, **tertiary history of earth s climate** - during tertiary earth s temperature steadily fell over 65 million years down to today s ice ages and ice was formed on the poles tertiary was the time of mammals and humans did yest not exist, **version 6 0 of the uah temperature dataset released new** - version 6 of the uah msu amsu global satellite temperature dataset is by far the most extensive revision of the procedures and computer code we have ever produced in over 25 years of global temperature monitoring the two most significant changes from an end user perspective are 1 a decrease in, **catch reconstruction concepts methods and data sources** - cite as d pauly and d zeller editors 2015 catch reconstruction concepts methods and data sources online publication sea around us www.seaaroundus.org, **global warming just facts** - a 2011 paper in the journal of geophysical research examined the locations of 1 007 of the 1 221 monitoring stations used to determine average surface temperature changes across the continental united states, **can we make better graphs of global temperature history** - longtime reader first time comment i ve been craving something like this myself i think what most of the highly time compressed graphs of temperature reconstructions fail to communicate by design in many cases is the rate of temperature change, **scientists find climate s cause of causes highest solar** - zawiska et al 2017 summary the chironomid based temperature reconstruction from lake atnsj en in eastern norway with mean resolution of 30 years provided evidence that large scale processes such as the nao fluctuations and solar activity modified local climate and subsequently affected lakes functioning

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