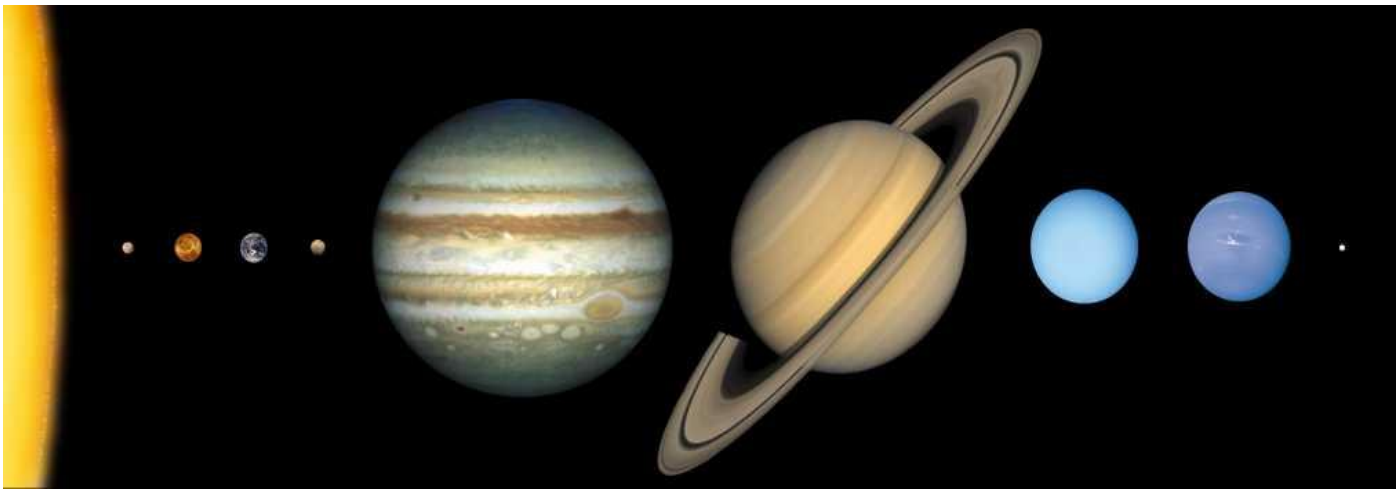
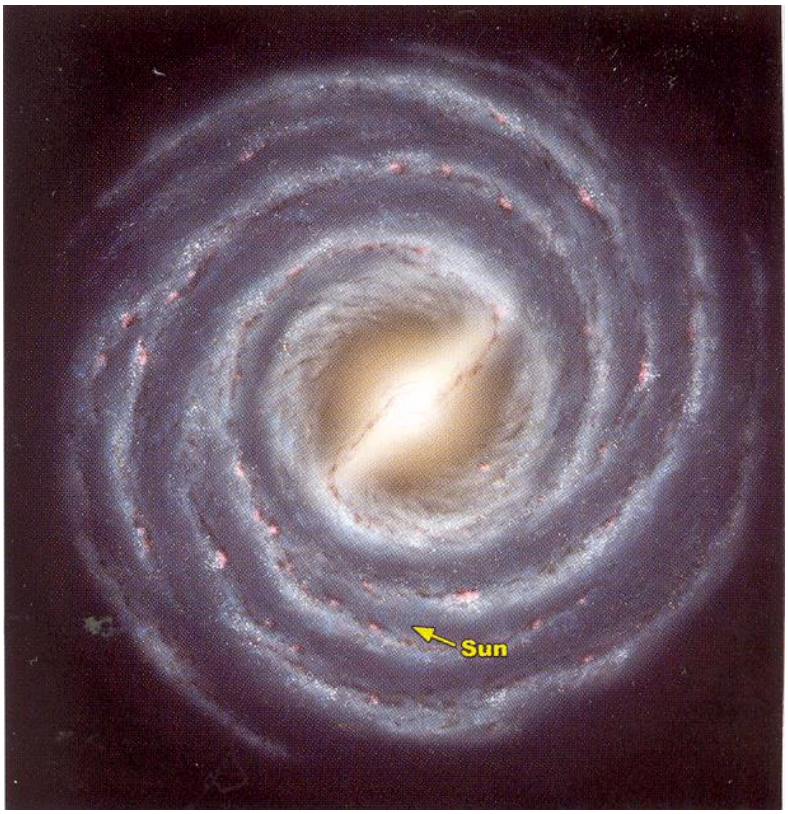
Climate Change – The Key External Factors

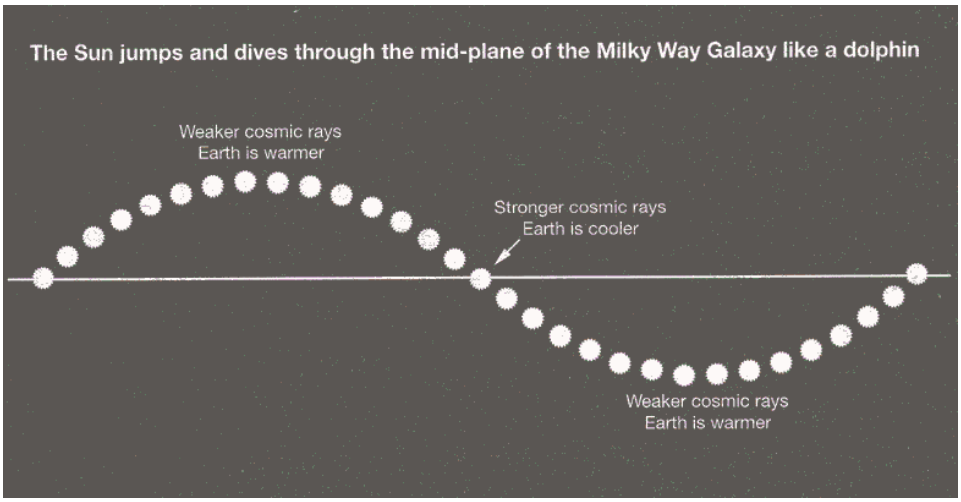
This illustration below shows the approximate relative sizes of the Sun, Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune, and Pluto - www.solarsystem.nasa.gov



Our Sun and associated Planets Orbit the Centre of the Milky Way Galaxy

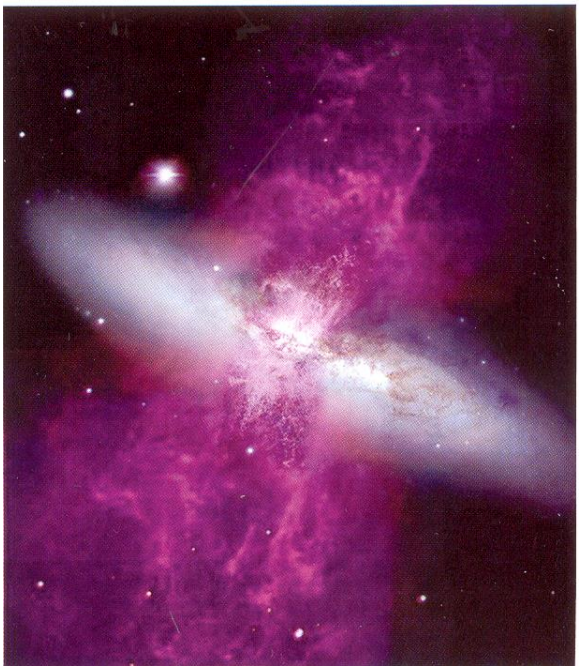


This artist's impression of the Milky Way Galaxy, based on the latest astronomy, shows the suburban location of the Sun and its planets amid the outlying spiral arms where bright, short-lived stars are concentrated. While the Sun orbits around the centre of the Galaxy, the spiral pattern rotates like a catherine wheel, but at a different rate. As a result, the Earth experiences high cosmic rays and cold climates during the Sun's passages through the spiral arms. (NASA/JPL-Caltech/R. Hurt SSC/Caltech) - From *The Chilling Stars – A New Theory of Climate Change* by Henrik Svensmark and Nigel Calder.

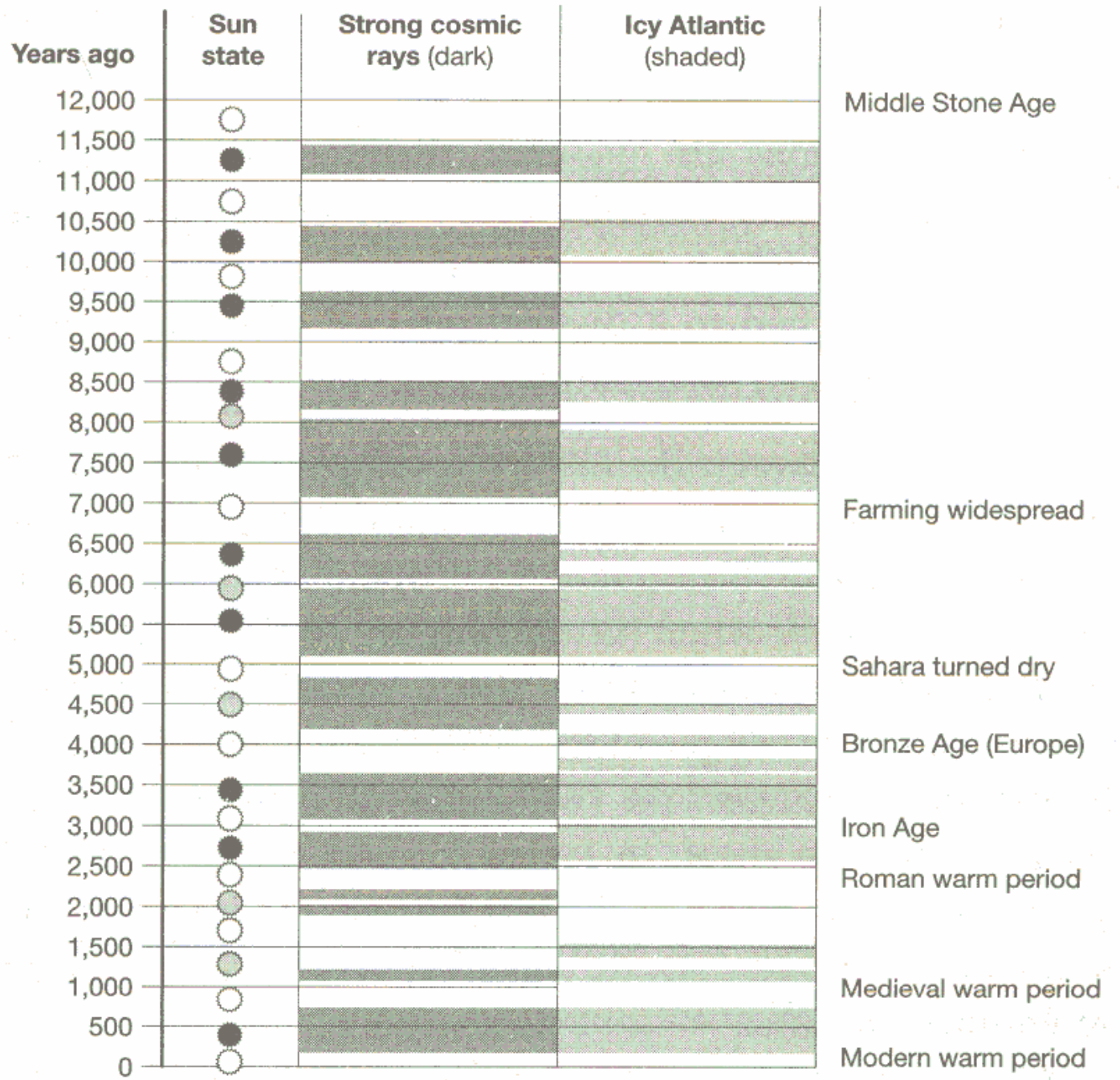


This decreases and increases and the impact of cosmic rays, resulting in warmer and cooler conditions on earth.

Some Supernova explosions have created conditions in our Milky Way Galaxy, which would have drenched the Earth with enough cosmic rays to make it freeze over. Eight minor super-nova explosions have occurred in the past ten thousand years.



Enormous jets of hot gas pour from the starburst galaxy M82, produced by the explosions of many massive stars during a boom in star formation. A close encounter with another galaxy, M81, provoked the starburst. When similar though less spectacular events occurred in our own Milky Way Galaxy, they drenched the Earth with enough cosmic rays to make it freeze over. (Mark Westmoquette (University College London), Jay Gallagher (University of Wisconsin- Madison), Linda Smith (University College London), WIYNj NSF, NASAjESA) - From *The Chilling Stars – A New Theory of Climate Change* by Henrik Svensmark and Nigel Calder



3. Repeatedly during the past 12,000 years the Sun has weakened, letting in more cosmic rays from the Galaxy. The result was a chilly world, recorded in grit dropped by ice in the Atlantic – most recently in the Little Ice Age. The Modern Warm Period (often called global warming) is just the latest of a long succession of mild intervals when the Sun was more active and cosmic rays were relatively scarce. (Data from G. Bond and team, 2001)

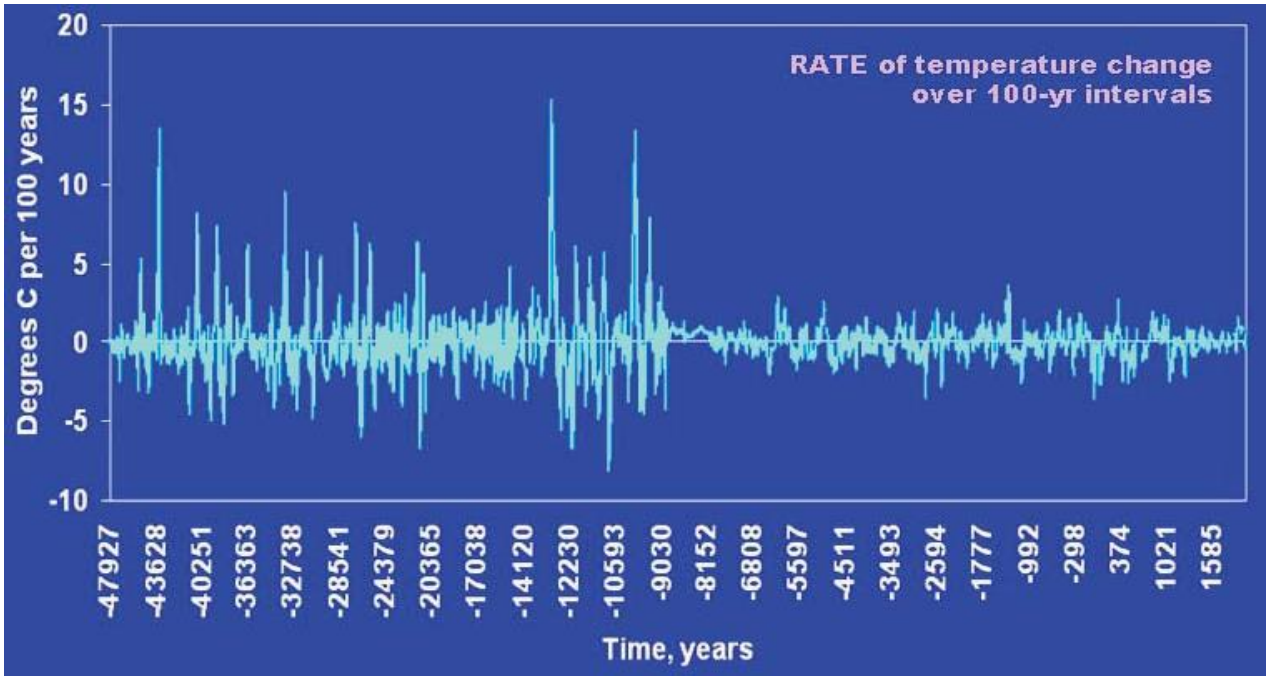
Current evidence from around the world demonstrates that increases and decreases in rainfall and river levels, closely match increases and decreases in the cosmic ray cycle as set out above, proving the direct link with cooling and warming of planet Earth.

Three Stages of the Major Supernova Explosion in 39,000 BC, which led to the greatest mass extinction in three million years on Earth, from the initial flash of radiation, to the slowest moving debris arriving in our solar system at 10,850 BC. The cosmogenic isotope data are all consistent with the following:

- **First**, **41,000 years ago** a supernova exploded about 200 light-years (60 parsecs) from Earth, bathing Earth in cosmic radiation and increasing global radiocarbon by 150 percent, along with big increases in lOBe, 36CI, and 26 AI.
- **Second**, about 7,000 years later, **34,000 BC,** another event increased global radio carbon substantially again. The shell of debris from a supernova initially travels at about 6,000 miles per second (10,000 km/s), so assuming that ejecta from the supernova reached us at that speed in 7,000 years, the supernova would have been 230 light-years (72 parsecs) from Earth, which agrees very well with the distance above. The second event most likely involved the arrival of high-velocity, isotope-rich material ejected from the supernova.
- **Third**, in **10,850 BC** following the second event, the last major event occurred, bringing yet more radiocarbon to Earth, most likely from the **supernova debris wave passing the Earth**, creating the Great Younger Dryas Ice Ice. The arrival time of this event is consistent with the shock speed of the supernova remnant, which we would expect to have been moving faster than 2,000,000 miles/per hour (1,000 *km/s).* All three events correspond very well with the evidence in the geological record on Earth.

From the *Cycle of Cosmic Catastrophes* by Richard Firestone, Allen West, and Simon Warwick-Smith.

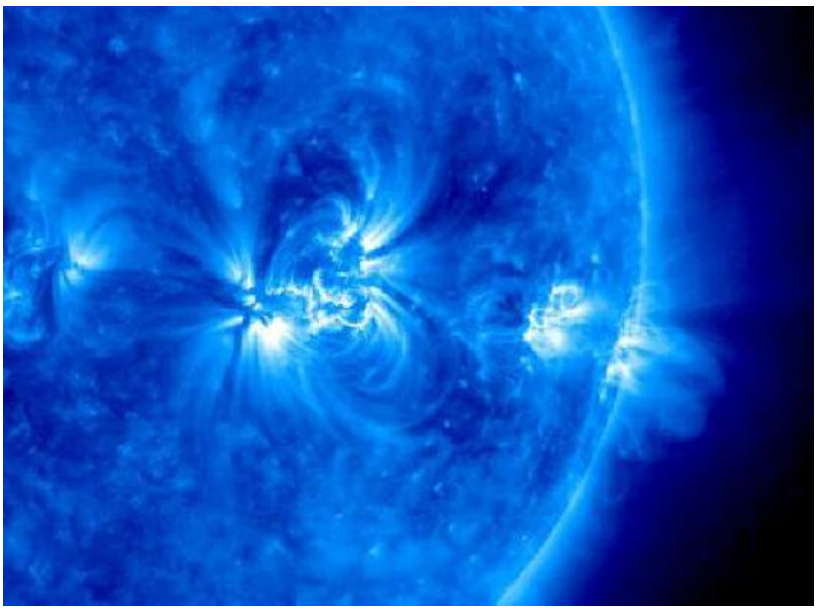
Rate of Temperature Change over 100 year intervals 47,920 BC to present day.



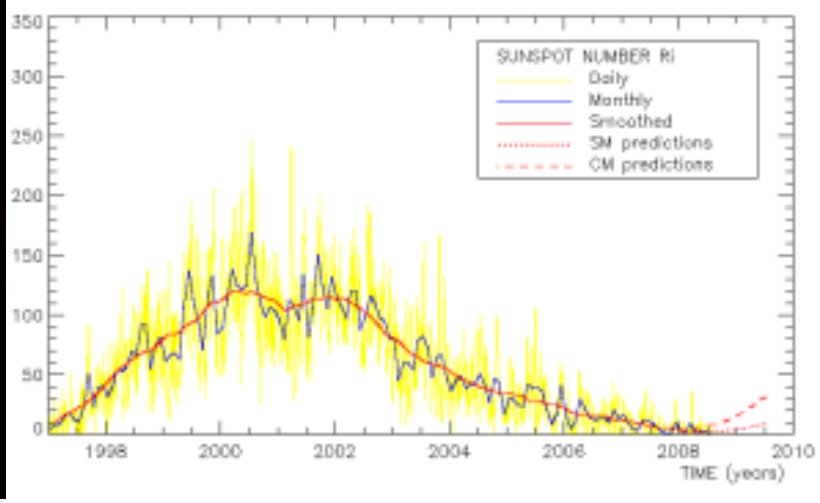
Sun's Coronal Arcs

The stars receive their power from outside, not inside. Any nuclear reactions are taking place on the surface of the Sun and not in its core. The solar wind is an electric current connecting the Sun with its family of planets and with its galactic clan, so the 90-year-old theory of fusion firing the solar furnace needs to be re-examined - Stephen Smith – www.thunderbolts.info

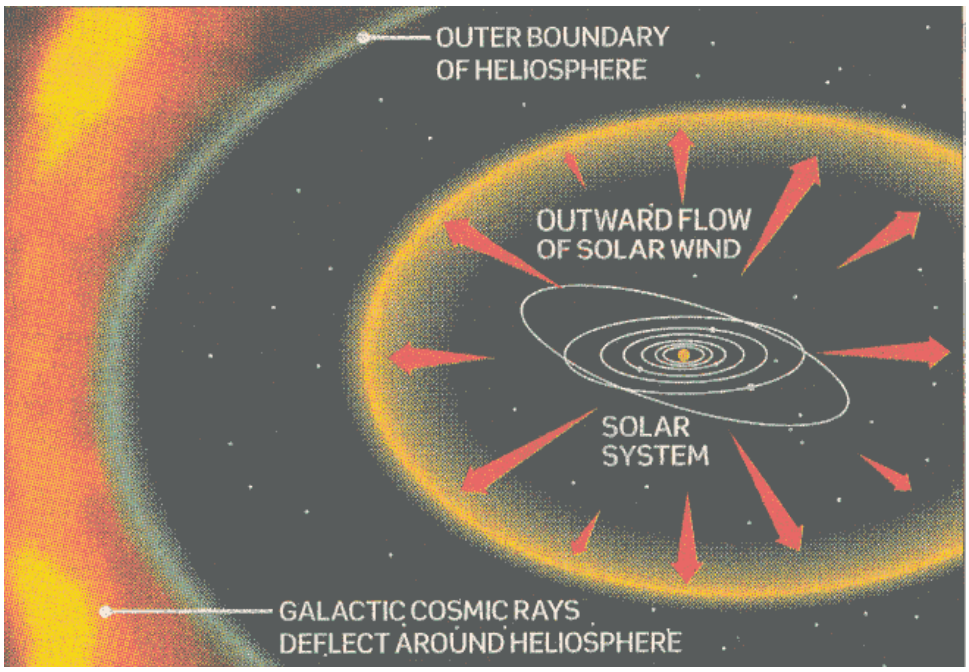
Magnetic Reversals trigger nuclear explosions - Increases and decreases in the Sun's activity is driven by the increases and decreases in the magnetic fields. Weaker magnetic fields reduce the number of sun spots.



Sun Makes History: First Spotless Month in a Century - Michael Asher (Blog) - Science - Sept 1 2008 8:11 AM - Sunspot activity of the past decade. Over the past year, SIDC has continually revised its predictions downward (Source: Solar Influences Data Center).

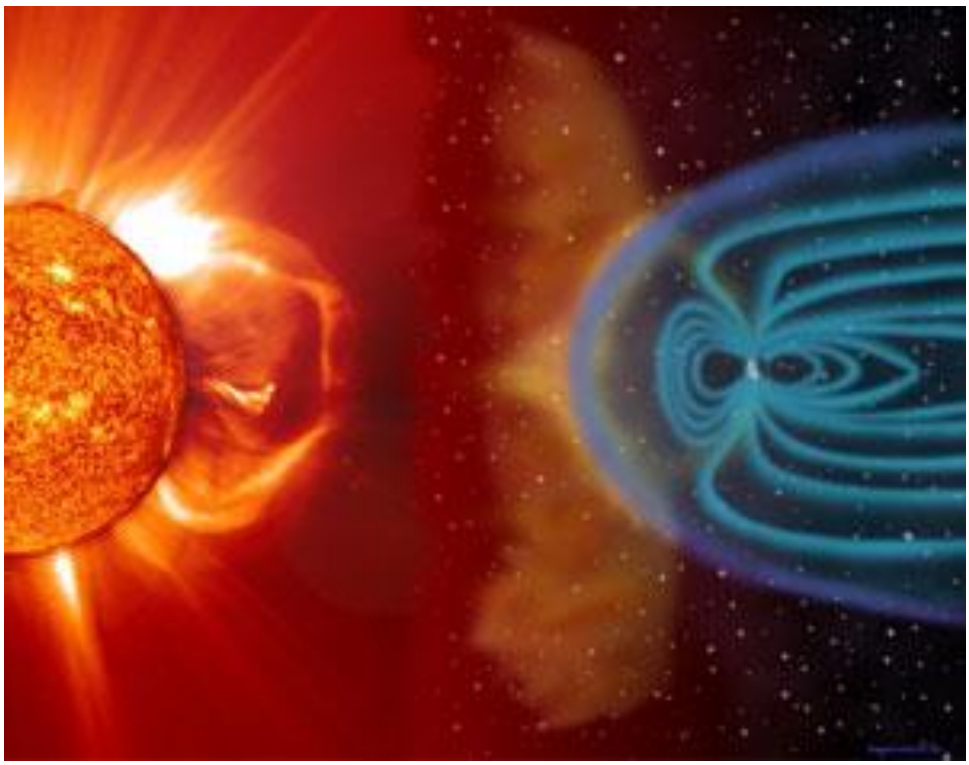


The protective bubble around the Sun which helps shield the Earth from harmful interstellar radiation is shrinking and getting weaker, Nasa scientists have discovered - Richard Gray Science Correspondent, Sunday Telegraph 19th October 2008.

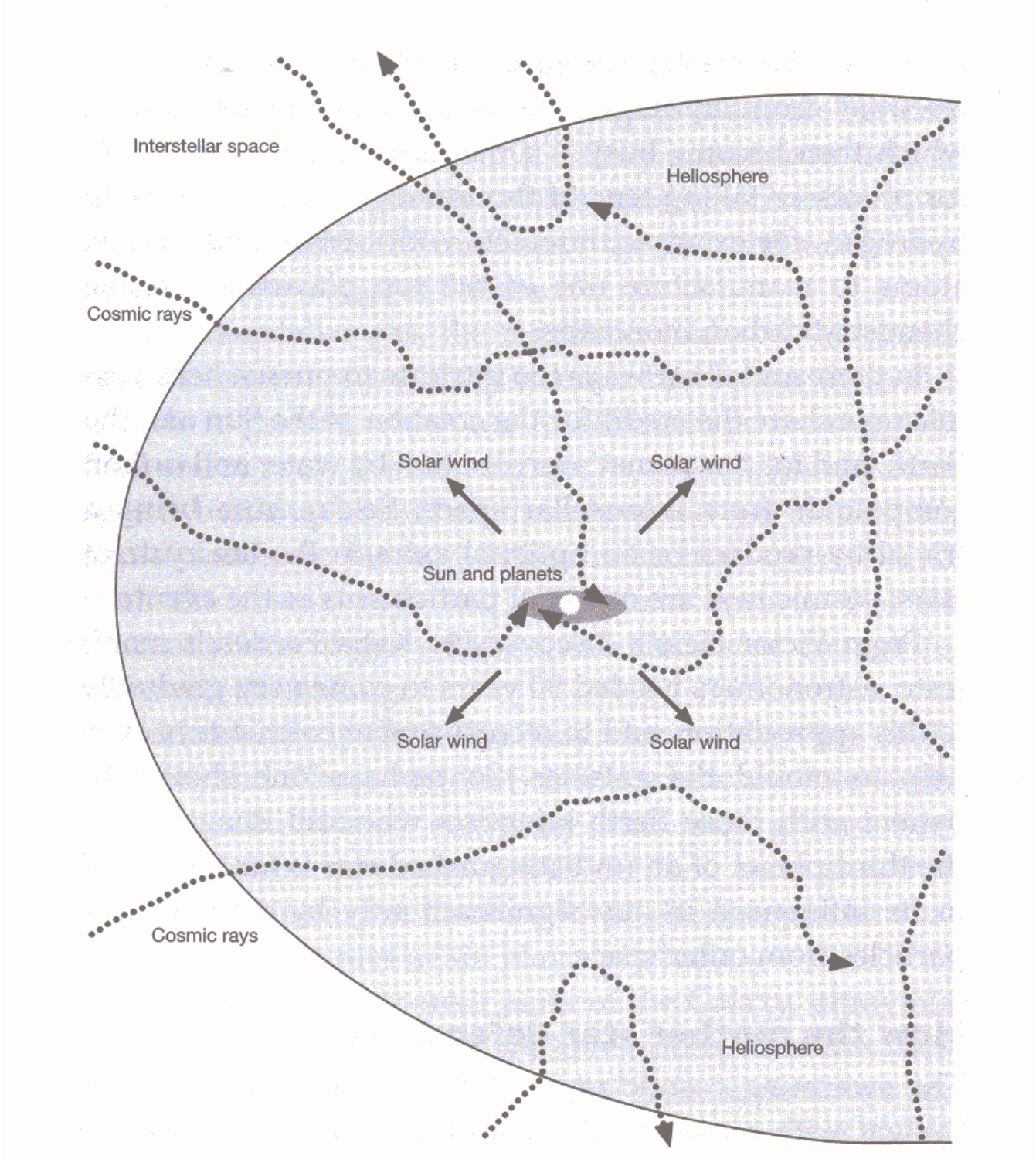


Earth Under Fire

The image below shows the eruptions from the surface of the sun, the solar wind, and the magnetic positive (sun) and negative (earth) relationships. The earth's magnetic field provides protection from solar and cosmic radiation.



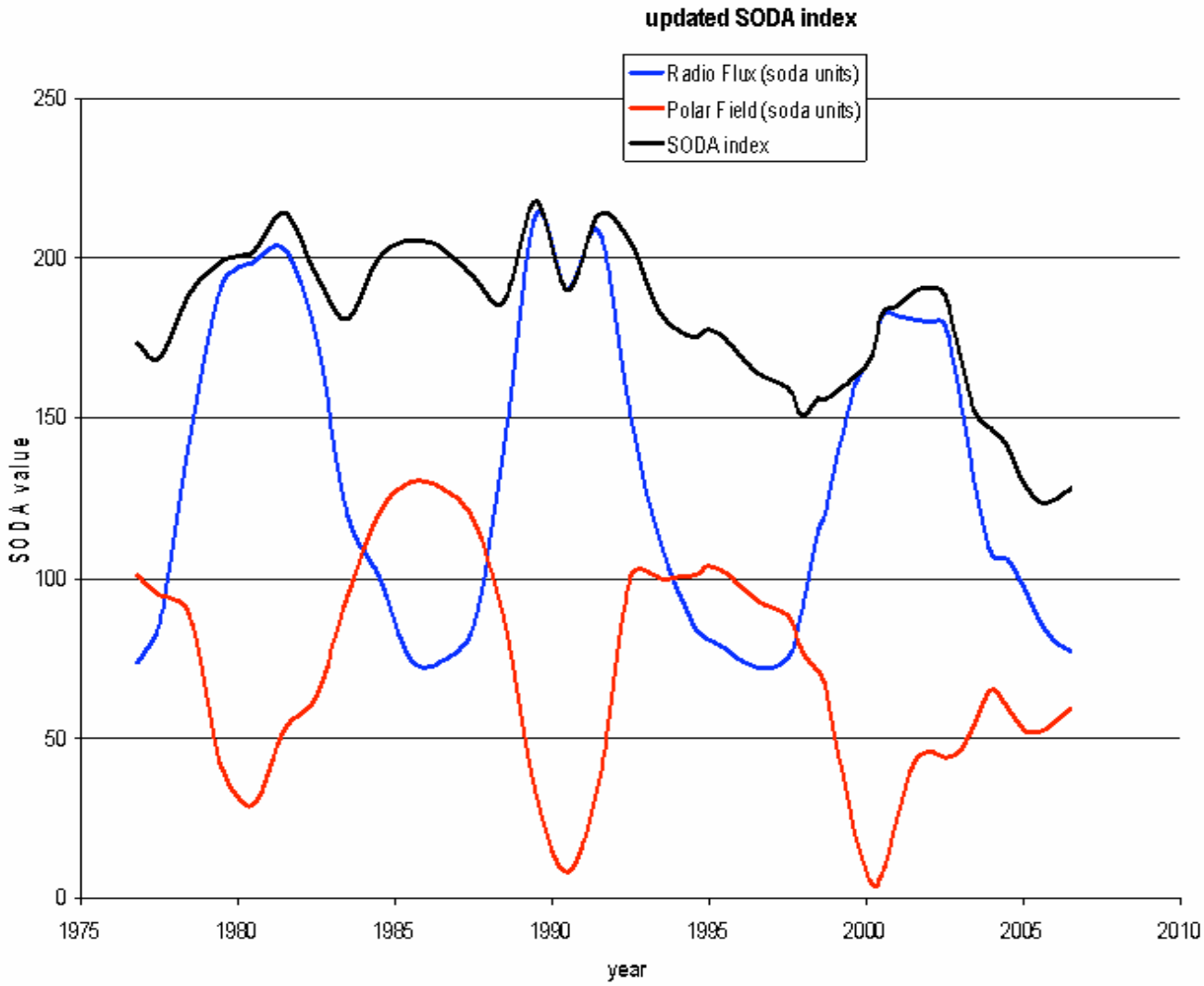
The Sun's Heliosphere and irregular Magnetic Field extending beyond the Planets, repels Cosmic Rays from our Interstellar Space



Interstellar Space

The empire of the Sun extends far beyond the planets in a huge bubble called the heliosphere, blown by the non-stop solar wind. Its irregular magnetic field repels many of the cosmic rays coming from the Galaxy. When this solar shield weakens, more cosmic rays reach the earth.

The Solar Dynamo Index *1975 - 2006*



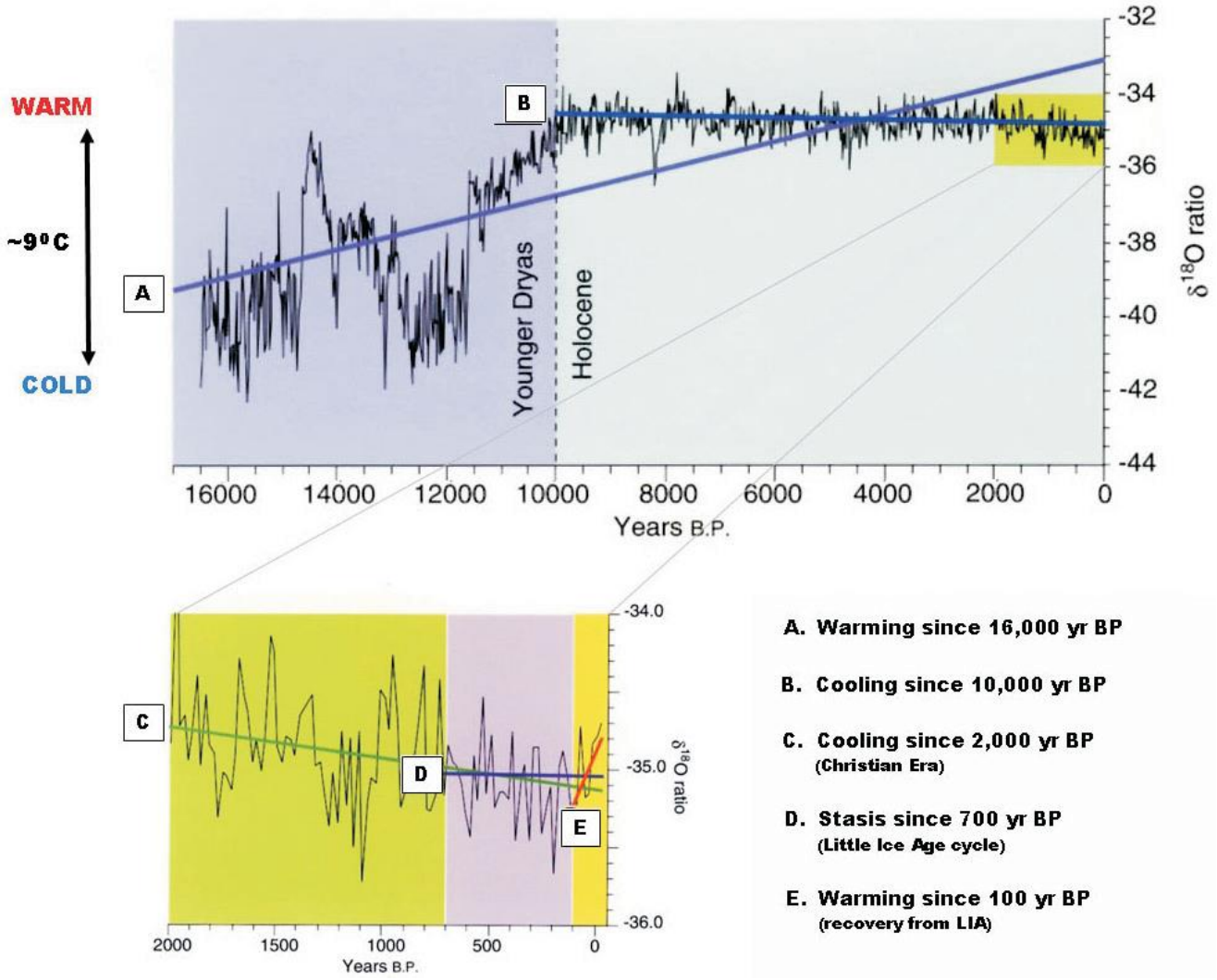
This is the basis of Ken Schatten's prediction. The red line is the strength of the polar magnetic fields on the Sun and the blue line is the strength of the toroidal magnetic fields. During a sunspot cycle, polar magnetic fields are converted to toroidal magnetic fields and back again. Sunspots form from the toroidal magnetic fields breaking through to the Sun's surface. The black line sums the polar and toroidal magnetic field strengths. This has been in downtrend since the early 1990s. This downtrend means that there is much less magnetic force available to make sunspots, so solar cycle 24 will be much weaker than solar cycle 23, as has happened.

Variations in Solar Activity

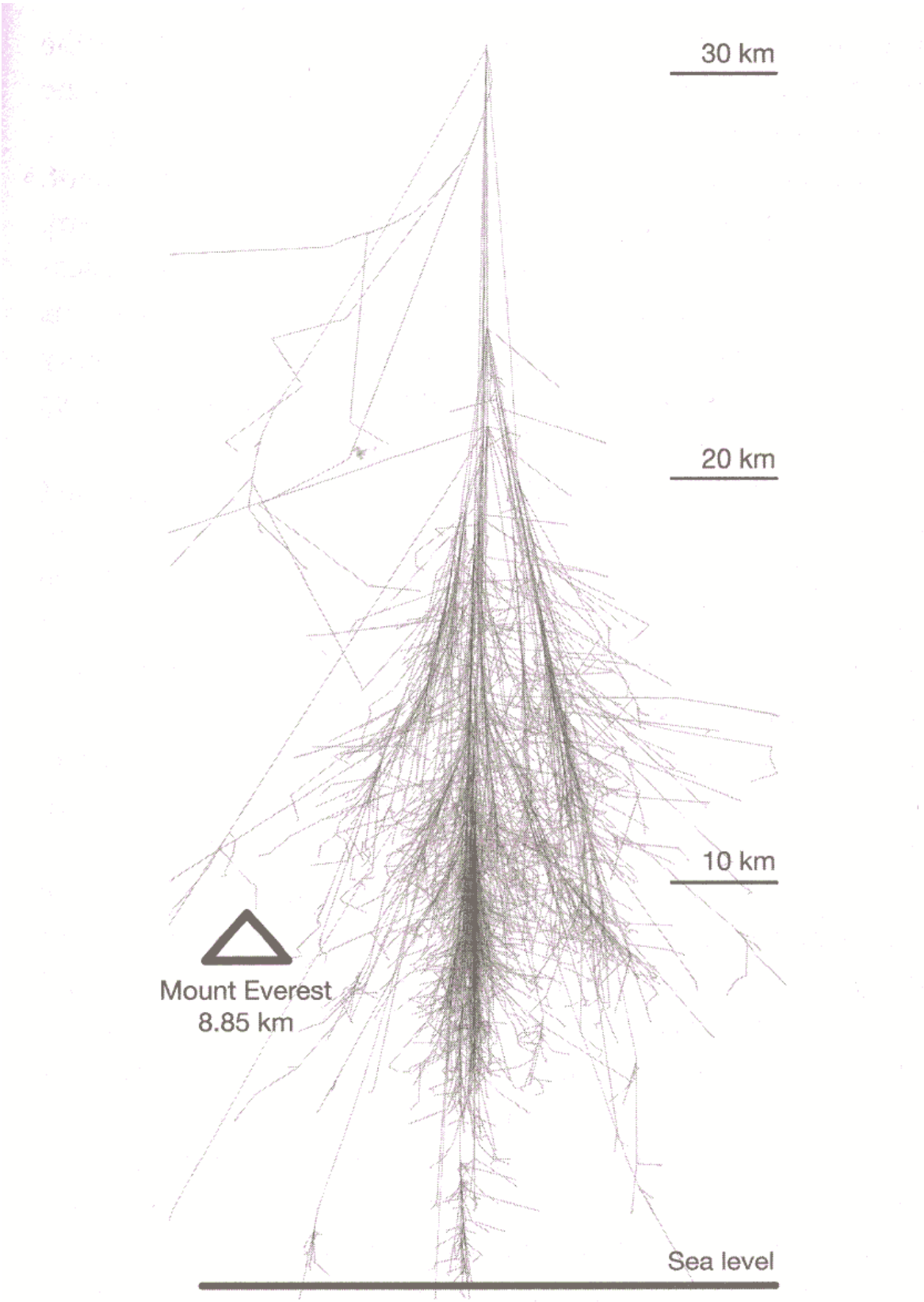
The sun puts out the same amount of energy in 25 millionths of a second as mankind has done over his entire 100,000 years of existence from the first camp fires to the Industrial revolution. At the annual meeting of the Professors of Bradford University last week (Nov 2007) a leading Professor of Applied Mathematics and a world authority on solar physics stated that a large body of (suppressed) scientific evidence shows that several of the other planets of the solar system, including the gas giant Jupiter, are warming at almost exactly the same (relative) rate as earth. It is not unreasonable to suggest that the Sun may be driving this. The Little Ice Age coincided directly with the Maunder Minimum when the sun was very inactive for 200 years. Now the sun has entered a period of higher activity than any in the last 400 million years.

It should not be a surprise to an intelligent observer, that the variations in our solar systems magnetic fields, cosmic radiation, and the Sun's activity drives climate change on Planet Earth, and not the changes in the amounts of the very minor greenhouse gas CO2 a small percentage of which is created by mankind's activities. Termites produce ten times the CO2 produced by man, according to the journal Science (Nov. 5, 1982),

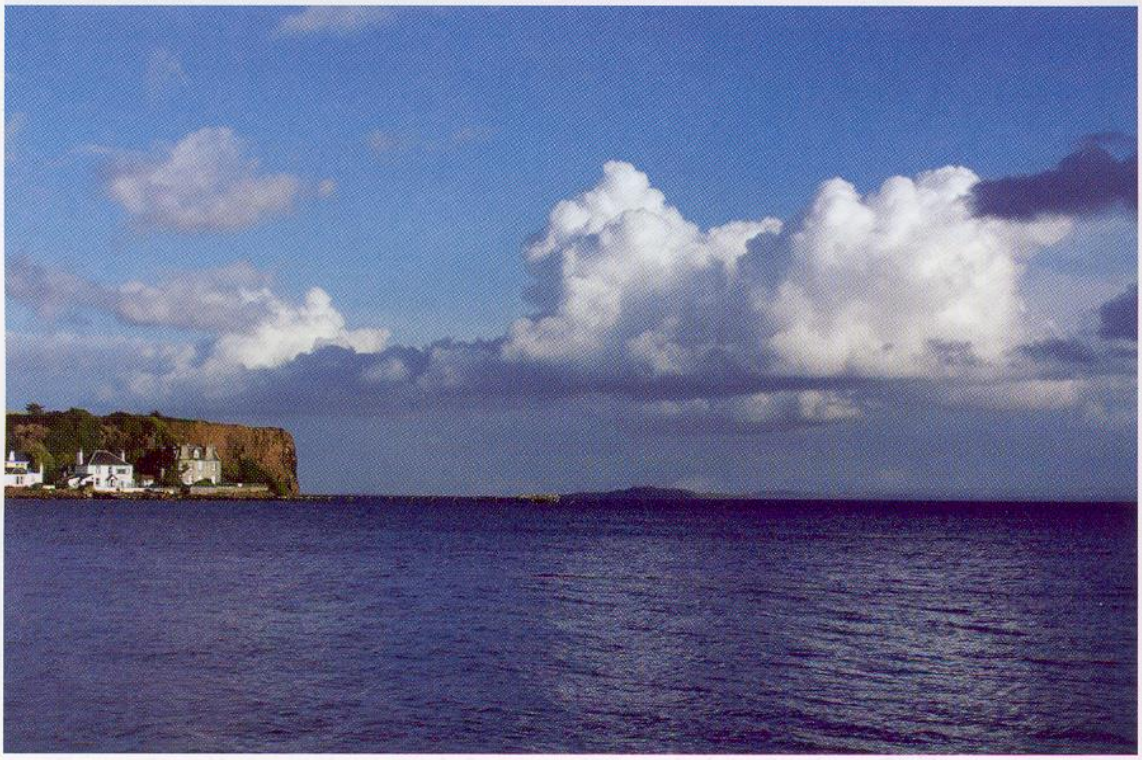
Holocene Climate Change Data - From a Paper by Professor Bob Carter



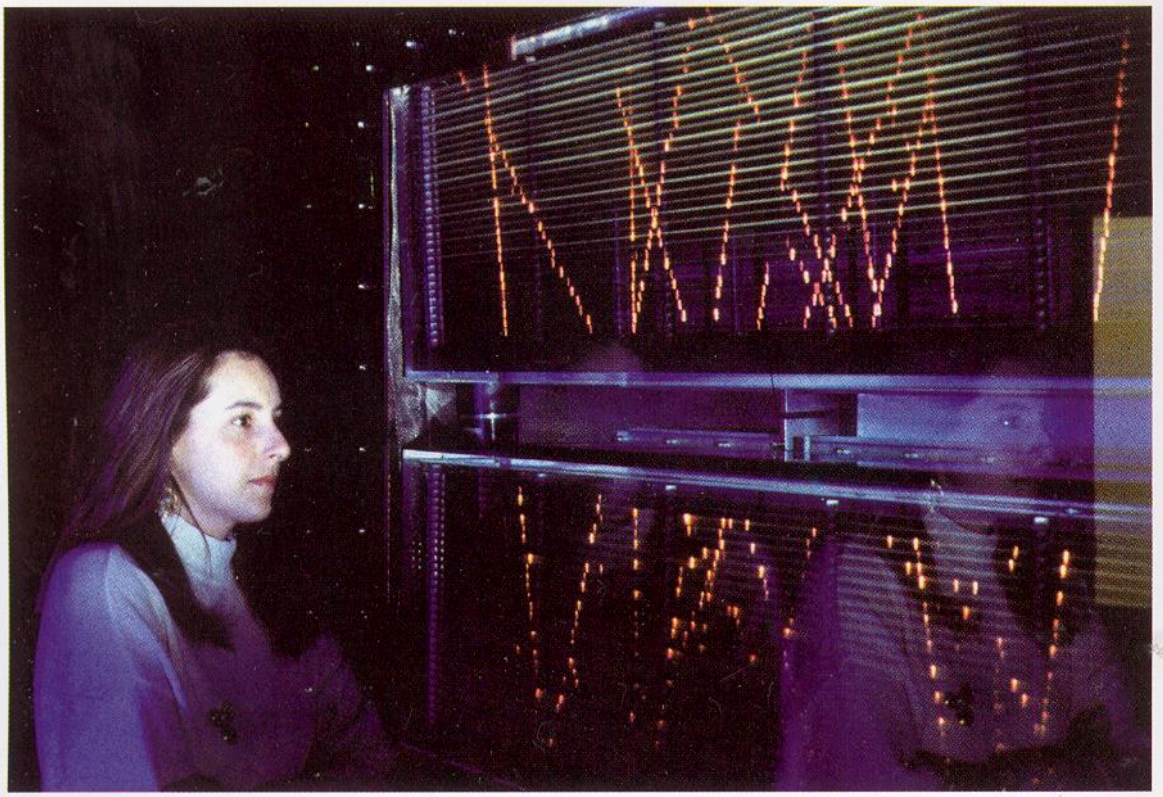
The Adventures of Cosmic Rays



5. When an energetic cosmic-ray particle hits the Earth's atmosphere it produces a shower of sub-atomic particles of many different kinds. Nearly all of them are stopped by our aerial shield and only a few reach the lowest altitudes. (CORSIKA calculations by Fabian Schmidt, University of Leeds)

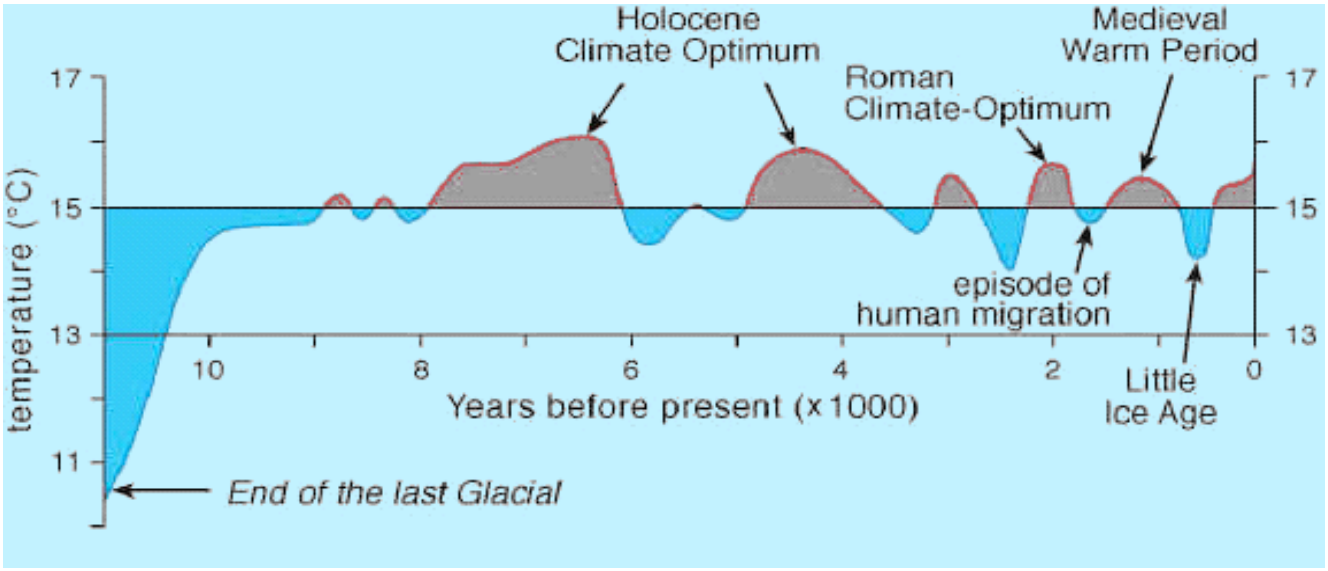


xii. Low clouds that cover huge areas of the world's oceans are the chief regulators of the climate. Their extent varies with the intensity of cosmic rays penetrating to low altitudes, which originate mainly from the most energetic particles thrown out by exploded stars. (© Margaret Worrall)



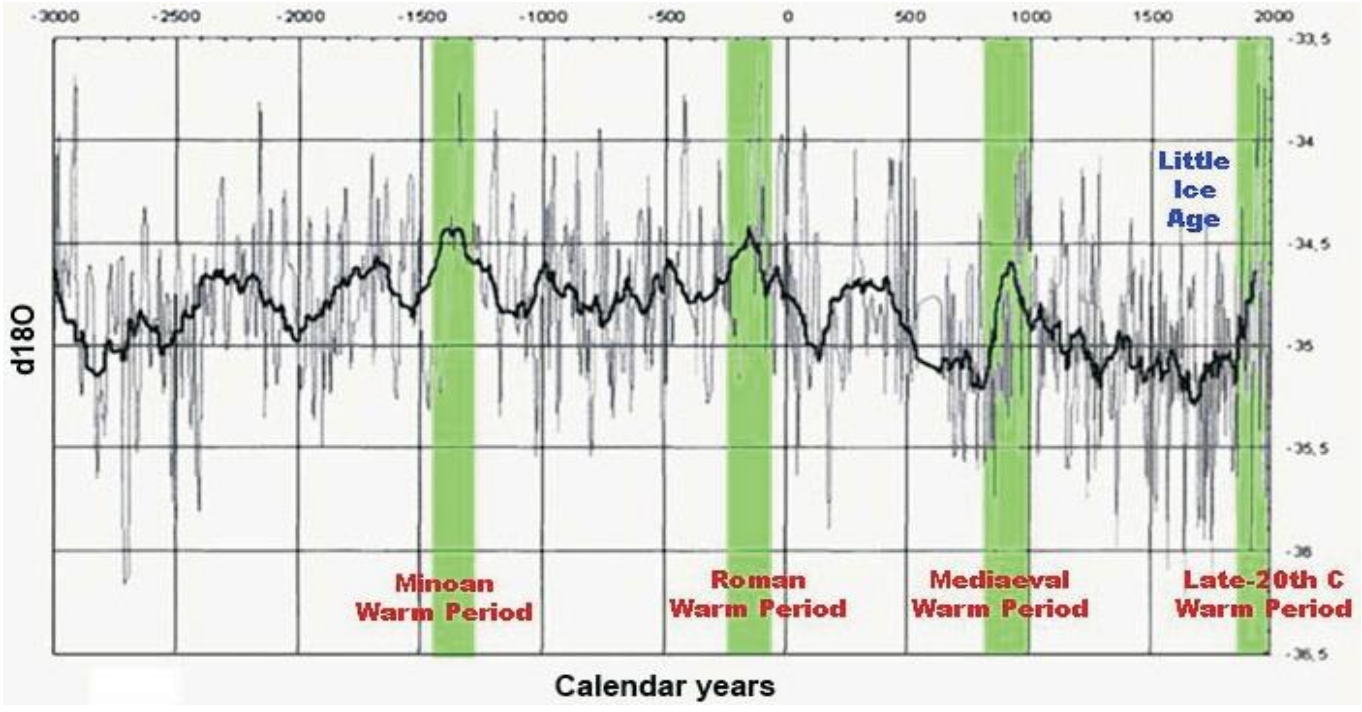
vii. Tracks of natural cosmic rays coming through the ceiling are made visible by sparks in a detector at a public exhibition at the CERN laboratory in Geneva. No one notices this ceaseless rain of high-energy particles riddling our environment and our bodies, but the clouds do. (© CERN)

Average near-surface temperatures of the northern hemisphere during the past 11,000 years (after Dansgaard et al. 1969, and Schonwiese, 1995)

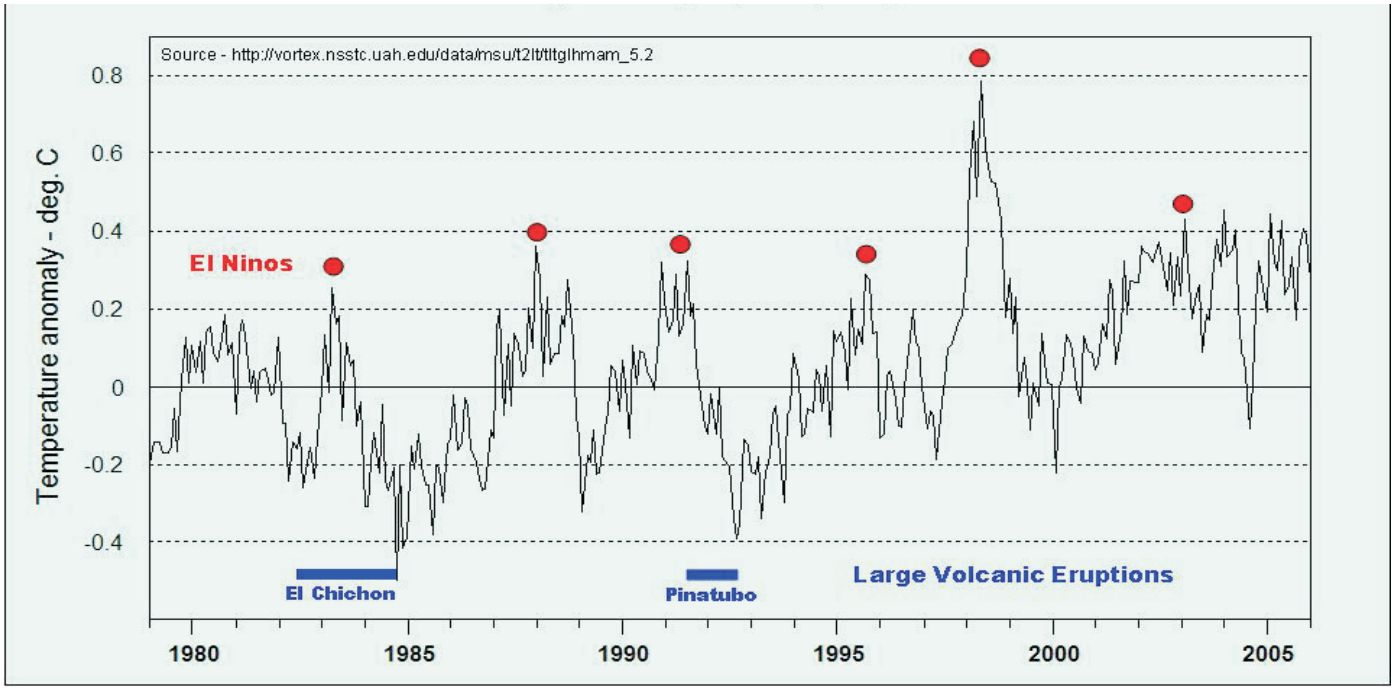


Trends in Global Temperatures 3000 BC to 2000 AD – Note the cyclical nature of the Warm Periods - At .039% of greenhouse gasses, CO2 levels follow temperature, and do not cause warming. **Also consider that, even today, about 97% of all current atmospheric CO2 derives from natural sources.**

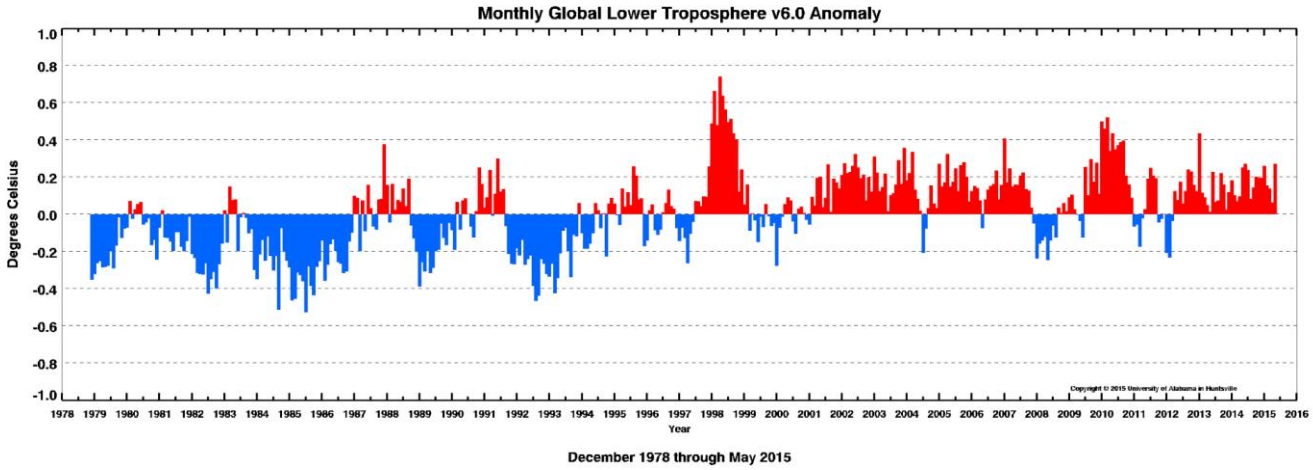
The period 1000 to 2000 AD was spuriously extracted from the data by the International Panel on Climate Change (IPCC) to create alarmism and fear, by emphasing the recent cyclical warming, as out of the ordinary and what was termed the *hockey stick*.



Global Average Temperatures, 1979 – 2006 (lower troposphere – UAH) - Note the two cooling periods caused by large volcanic eruptions and the 1998 peak in temperature. Sixteen years of cooling followed.



The chart below also from the University of Alabama Huntsville extends the Monthly Global Lower Troposphere v6.0 Anomaly above to March 2015, demonstrating that Global Warming has not exceeded the 1998 Peak in a seventeen year pause.



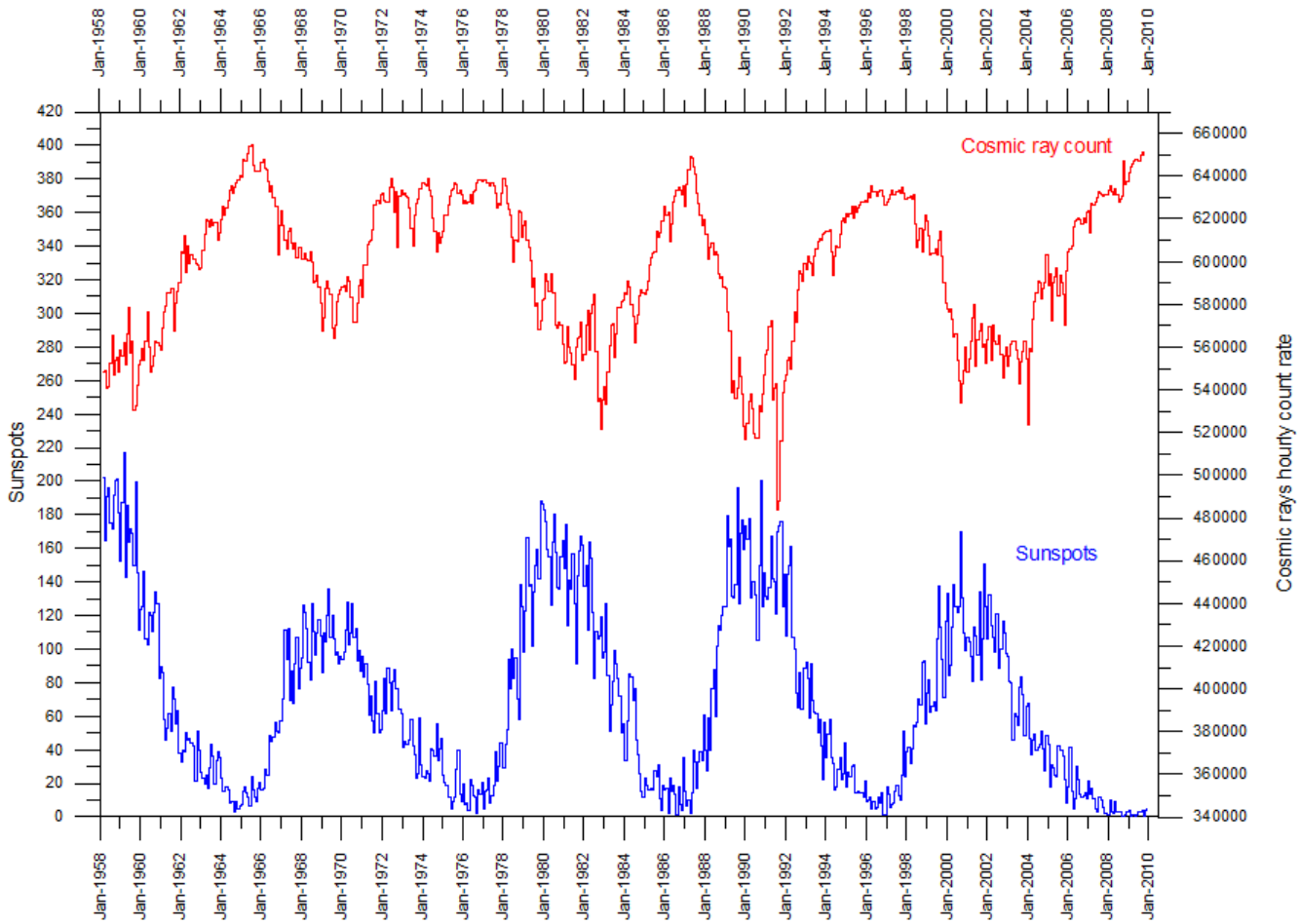
As part of an ongoing joint project between UAHuntsville, NOAA and NASA, Christy and Dr. Roy Spencer, an ESSC principal scientist, use data gathered by advanced microwave sounding units on NOAA and NASA satellites to get accurate temperature readings for almost all regions of the Earth. This includes remote desert, ocean and rain forest areas where reliable climate data are not otherwise available.

The satellite-based instruments measure the temperature of the atmosphere from the surface up to an altitude of about eight kilometres above sea level. Once the monthly temperature data is collected and processed, it is placed in a "public" computer file for immediate access by atmospheric scientists in the U.S. and abroad. Their work is considered to be first class by all interests.

Neither Christy nor Spencer receives any research support or funding from oil, coal or industrial companies or organizations, or from any private or special interest groups. All of their climate research funding comes from federal and state grants or contracts. Their work is utilised and recognised by the IPCC.

Cosmic Rays Related to Sunspot Activity – 1950 to 2010

Weaker sunspots (in blue) equate with weaker magnetic fields, which allow an increase in cosmic radiation. More cosmic radiation creates more low level clouds, which cool the oceans. **Colder oceans cool planet Earth.**



Current evidence from around the world demonstrates that increases and decreases in rainfall and river levels, closely match increases and decreases in the cosmic ray cycle shown above. More cosmic rays create more low level clouds, which cut out solar radiation and provide more rainfall, cooling the oceans, providing the external mechanisms for Global Cooling and Warming.

Summary

It's over. Finished. Dead. Kaput. Surely no one who so much as glances at the chart above can give any credence to climate alarmism ever again. It is the most stunning refutation of global warming hysteria that I have ever seen. I've been following the debate for years. But I've never seen the case made so graphically — in both the literal and metaphorical senses of the word - **Comment by Bob Carter –** One of the original leading specialists.

Climate change is caused primarily by the variations in the external magnetic forces as we travel through the arms of the Milky Way Galaxy. It has nothing to do with the totally beneficial CO2.

In the summer of 2011 scientists at the CERN project in Switzerland confirmed the *New Theory of Climate Change* outlined above by Henrik Svensmark and Nigel Calder. In September 2013 Henrik Svensmark produced further research to settle outstanding criticism from the IPCC on the size of the water droplets created by cosmic rays. The claims that man-made climate change, with increased amounts of the beneficial heavy greenhouse gas CO2, can have any significant effect upon the increase or decrease of our planets temperature, are now proven to be totally wrong.

At a question and answer session at the Hay Festival last year (2014) with the author of *Homage to Gaia,* James Lovelock, the acknowledged scientific authority on the climate change subject, I asked in front of some two thousand people; *Are we wrong to demonise CO2 ?* He replied – *this is the most important question – Yes we are wrong* - and went on to give a detailed explanation of why.

This evidence based on the *Chilling Stars* by Henrick Svensmark and Nigel Calder was presented to the Conservative Party in 2007, and covered in Learning from History Part 1 released on YouTube in Autumn 2007.

Edmund Marriage – Patrick Foundation - Former National Vice-Chairman and Director of Research - Conservative Rural Action Group

Supporting links: Peter Taylor - http://www.goldenageproject.org.uk/videoPCT.php Ben Davidson - https://www.youtube.com/watch?v=5MvAnECkaME&index=27&list=PLug9ba6vF6fxf8lm6HlKvJVlrCNl2aW47 Barry Salby https://www.youtube.com/watch?v=YrI03ts--9I&feature=youtu.be

Contact patrickfound@btinternet.com for additional primary evidence and the latest supporting links on YouTube presentations, expanding upon the thesis outlined in this simplified document.

> *If I have the least bit of knowledge I will follow the great Way alone and fear nothing but being side-tracked. The great Way is simple but people delight in complexity* - **Tao Te Ching** – 453 BC