

NoTricksZone

"Not here to worship what is known, but to question it" - Jacob Bronowski. Climate and energy news from Germany - by Pierre L. Gosselin

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Yet Another Paper Shows “The Enormous Importance Of Solar Activity Fluctuations On Climate”

By P Gosselin on 14. May 2012

Yet another study has appeared in the [Journal of Geophysical Research](#), this one looks at the precipitation history on the Tibetan Plateau of the last 1000 years.

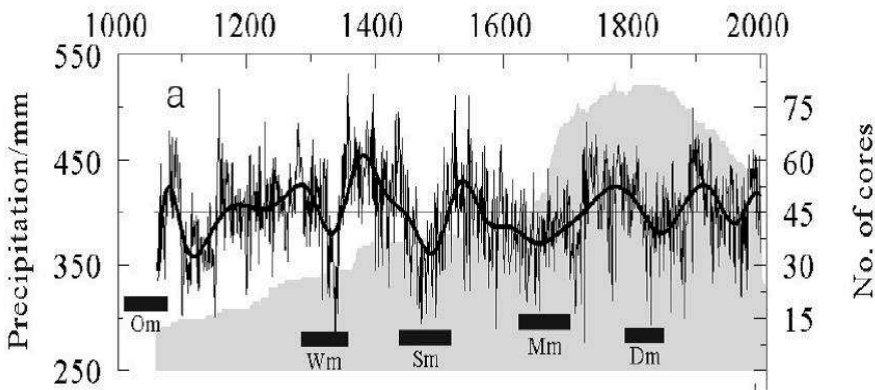


Figure 1: Reconstruction of precipitation amounts for the edge of the Tibetan Plateau. The bars on the chart depict prominent weak phases of solar activity, which correspond to Om = Oort Minimum; Wm = Wolf Minimum; Sm = Spörer Minimum; Mm = Maunder Minimum; Dm = Dalton Minimum). Figure from: [Sun & Liu \(2012\)](#).

Geologist Dr. Sebastian Lüning and chemist Prof. Fritz Vahrenholt have written a summary of this paper, which I’ve translated in the English:

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New Study of the Tibetan Plateau: Whenever Solar Activity is Weak, the Rains Disappear

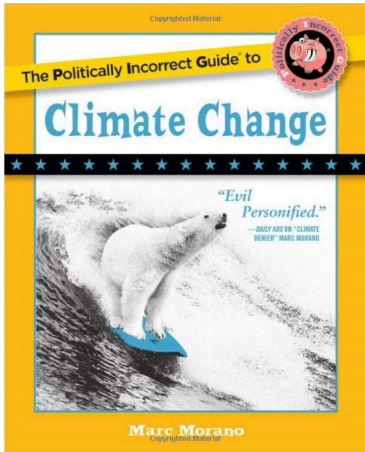
By Sebastian Lüning and Fritz Vahrenholt

The Tibetan Plateau is at 3000 to 5000 meters elevation the highest and most expansive high plateau on Earth. Therefore it reacts sensitively to climate changes. Junyan Sun and Yu Liu of the Chinese Academy of Sciences studied tree rings in the northwest plateau edge from two living 1000 year old trees. Tree growth in the area of study is particularly sensitive to the amount of precipitation.

Both scientists were able to reconstruct the distinct precipitation fluctuations occurring over the last 1000 years. The corresponding wet and dry periods each lasted some decades. A comparison to the other climate reconstructions coming from the same region shows great similarities in moisture development and that we are dealing with a representative regional climate signal. There were pronounced periods of droughts from 1092-1172, 1441-1517 and 1564-1730. Especially the Great Drought of 1441-1517 is mentioned in numerous historical documents and catastrophe reports. The Great Drought occurred during a weak period of solar activity, the so-called [Spörer Minimum](#), which occurred from 1420 to 1570.

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Interestingly, almost all other periods of drought occurred during times of solar minima, among them the Oort Minimum, Wolf Minimum, Maunder Minimum and Dalton Minimum (see Figure 1 above). Every time the sun goes into a slumber for a few decades, the rains on the Tibetan Plateau stay away. A frequency analysis of precipitation curves also delivers evidence on solar cycles. Here the Gleissberg Cycle (60-120 year period) and the Suess/de Vries Cycle (180-220 years) are seen in the datasets.

The study once again documents the enormous importance of solar activity fluctuations on the development of climate. Why the IPCC degrades this important natural climate driver to a secondary small player in theoretical climate models (See our article: “[What is the coming solar activity slumber bringing? The Hadley Centre Leaves Its Back Door Open](#)”) simply boggles the mind.

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Indeed. And with every passing study, it is becoming increasingly clear that the CO2 warmists are either in deep denial or complete intellectual oblivion.

Posted in [Drought and Deserts](#), [Paleo-climatology](#), [Solar Sciences](#) | 28 Responses

28 responses to “Yet Another Paper Shows “The Enormous Importance Of Solar Activity Fluctuations On Climate””



[Harry Dale Huffman](#) 14. May 2012 at 1:26 PM | [Permalink](#)

It should have been clear, and quickly have become front page news worldwide, after November 2010, when I compared the [temperatures in the atmospheres of Venus and Earth](#), and found the Venus/Earth temperature ratio was due only and precisely to the ratio of their distances from the Sun. It should have been clear 20 years ago, when the Venus data I used was first taken by the Magellan spacecraft, and the “greenhouse effect” should have been dropped from science then. The issue is scientific competence, and the subornation of all of our institutions (starting with the universities) to the incompetent climate consensus. I have been writing about the delusion of miseducated climate “experts” and the many self-styled “defenders of settled science” that infest the internet and every public venue, for 18 months. All of the “authorities” are insane on this issue (and using it as a club for factually unsupported Leftist political activism), which is why I coined the phrase “War of the Insane Left”.



[SpaceScience](#) 15. May 2012 at 7:45 PM | [Permalink](#)

Dear Harry, excellent calculation and comparison..... as the Venus atmosphere consists by ~ 95 % of carbon dioxide, this is seems to be the ultimate proof, that water vapor is not so important as greenhouse gas, as the Vanus atmosphere has only 20 ppm water vapor content 😊



[SpaceScience](#) 14. May 2012 at 1:54 PM | [Permalink](#)

L. J. Gray, 1,2 J. Beer, 3 M. Geller, 4 J. D. Haigh, 5 M. Lockwood, 6,7 K. Matthes, 8,9 U. Cubasch, 8 D. Fleitmann, 10,11 G. Harrison, 12 L. Hood, 13 J. Luterbacher, 14 G. A. Meehl, 15 D. Shindell, 16 B. van Geel, 17 and W. White 18

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