

Interactive comment on “Influence of solar activity on hydrological processes” by J. Pérez-Peraza et al.

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This work is interesting since the authors' goal is to find if there is some kind of correlation between solar activity and the level of lakes. Particularly interesting is the study of this kind of correlation taking into account the levels of lake Patzcuaro in Mexico.

But even if the authors find strong correlation between solar activity and the level of lakes, the question is if this result is or not just a product of chance. A good example of what I mean is the periodicity cited by Sir Napier Shaw (cited in Burroughs, 1994). The example he gave was of an apparent link between the level of Lake Victoria and sunspots over a limited period, between 1902 and 1921. Despite the close correlation found in the mentioned period, the prediction of a high level of the lake with the next sunspot maximum in 1928 proved incorrect.

Burroughs W.J., 1994. Weather cycles. Real of imaginary?. Cambridge University

Press. 208 pp.

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