



## ***Interactive comment on “Tree-ring width wavelet and spectral analysis of solar variability and climatic effects on a Chilean cypress during the last two and a halfmillennia” by N. R. Rigozo et al.***

**N. R. Rigozo et al.**

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Co-authors agree to accept the reviewer's suggestion. Thus, in the manuscript to be sent again to the magazine, the last paragraph of the introduction was altered in function to the reviewer's comments. The multitaper method is based on a “local” eigen expansion to estimate the spectrum in terms of the solution of an integral equation. This is equivalent to using the weighted average of a series of direct-spectrum estimates based on orthogonal data windows (or the taper is a discrete prolate spheroidal sequence) to treat both the bias and smoothing problems (Thomson, 1982). The item 4.2, the sentence will be replaced by: “It may be observed in the spectrum that there is no domination of long periods over the short ones, or, in other terms, the long periods do not hide the low periods in the spectrum. The nature of this distribution suggests a favorable response on tree growth rate in Osorno, Chile, to environmental factors for

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short and long periods". The item 4.3, this sentence will be omitted. About the references that are mentioned in the text and don't appear in the bibliography, this was already corrected and they were added to the reference list.

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Interactive comment on Climate of the Past Discussions, 1, 121, 2005.

CPD

1, S105–S106, 2005

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