

Interactive comment on “Low-latitude climate variability in the Heinrich frequency band of the Late Cretaceous Greenhouse world” by N. J. de Winter et al.

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niels_de_winter@live.nl

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Dear Editor(s), Dear Luc Beaufort,

Herewith we submit a rebuttal to the reviews by Nicolas Thibault and Fabienne Giraud. The suggestions by the reviewers are in the vast majority very helpful, and contribute to the quality of this research. We have worked especially on providing confidence for the cycles discussed by means of incorporating both powerspectra with confidence levels and wavelet analysis. Further, we were asked to include information on the integrated stratigraphy of the Site investigated, which we supply.

It is criticised that the length of the record limits the statistical methods that can be
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applied. Actually we think that the length of the record is sufficient to demonstrate that the semi-precession cycles as interpreted by Park et al. (1993) are an artefact, and the sub-Milankovic variability is present.

Please let us know whether you consider the submitted rebuttal/authors comment a sufficient basis for the submission of a revised manuscript. Of course we do not mind to be reviewed thoroughly. If published, all data will be deposited in an openly accessible database.

Best Regards,

Niels de Winter, Christian Zeeden and Frederik Hilgen

Please also note the supplement to this comment:

<http://www.clim-past-discuss.net/9/C3133/2014/cpd-9-C3133-2014-supplement.pdf>

Interactive comment on Clim. Past Discuss., 9, 4475, 2013.