

Interactive comment on “A dynamic climate and ecosystem state during the Paleocene-Eocene Thermal Maximum – inferences from dinoflagellate cyst assemblages at the New Jersey Shelf” by A. Sluijs and H. Brinkhuis

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AUTHOR COMMENT We thank Dr. Riding for his/her positive review and constructive comments. Below we discuss all points raised.

Appy Sluijs and Henk Brinkhuis

REFEREE #3 J. B. Riding (Referee)

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This is an excellent paper which is well constructed and well-argued. It will be read wisely and cited often. I especially liked the author's use of techniques such as magnetic susceptibility and BIT index. These were mentioned only briefly on p. 5169 and largely comprise simply the provision of references. I would like to see this small subsection slightly expanded in order to allow the authors to explain and justify the use of these techniques. I would like to see that authors explain clearly their choice of techniques. Only one or two sentences per technique will suffice. I recommend this in order to make the paper more complete in itself and self-contained.

Reply: For all proxies we have formulated what they indicate and we have also included why we chose this technique.

Interactive comment on Biogeosciences Discuss., 6, 5163, 2009.