

## ***Interactive comment on* “Statistical trend analysis and extreme distribution of significant wave height from 1958 to 1999 – an application to the Italian Seas” by G. Martucci et al.**

**s. carniel**

sandro.carniel@ismar.cnr.it

Received and published: 26 October 2009

Dear Reviewer, we realized that our reply to your initial comments on the break-point was partially mixed up with what we wrote to Reviewer #1. Please refer to the following text as the correct reply to your concerns about this subject. Best regards. —————

On the break issue, we reproduce here the text we used for replying to Rev. #1: Coming to the break-point issue, we believe the feature showing a change in the derived trends at about 1989 can not be related to the introduction of satellite data, which dates back to early '80s. A working hypothesis, also benefiting from long-term simulations of

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colleagues dealing with climate dynamics in the ocean and atmosphere, could relate this feature to the Eastern Mediterranean Transient (EMT), which effects on the Adriatic sea have not yet been thoroughly investigated by the scientific community. Since this hypothesis needs of course more robust confirmations, we preferred to avoid speculations on this theme in the current version of the MS. Nevertheless, should the reviewers agree, these considerations could be included, after a short appropriate introduction to the problem, and including some extra references, e.g.

<http://www.agu.org/pubs/crossref/2003/2002JC001403.shtml>

Roether, W., Manca, B., Klein, B., Bregant, D., Georgopoulos, D., Beitzel, V., Kovacevic, V. and Lucchetta, A., 1996. Recent changes in Eastern Mediterranean deep waters. *Science* 271, pp. 333-335

<http://www.sciencemag.org/cgi/content/abstract/271/5247/333>

[http://www.geo.uni-augsburg.de/de/lehrstuehle/phygeo/medien\\_verzeichnis\\_2/forschung/emulate/publications/udluftfestscjacobbeit-duenkeloh.pdf](http://www.geo.uni-augsburg.de/de/lehrstuehle/phygeo/medien_verzeichnis_2/forschung/emulate/publications/udluftfestscjacobbeit-duenkeloh.pdf)

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Interactive comment on Ocean Sci. Discuss., 6, 2005, 2009.

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