

Interactive comment on “Satellite altimetry reveals spatial patterns of variations in the Baltic Sea wave climate” by Nadezhda Kudryavtseva and Tarmo Soomere

Anonymous Referee #1

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Article "Satellite altimetry reveals spatial patterns of variations in the Baltic Sea wave climate " by Nadezhda Kudryavtseva and Tarmo Soomere address relevant scientific questions within the scope of EDS. It's present novel concepts in to the long term wave climate research at the BS.

Are substantial conclusions reached? YES Are the scientific methods and assumptions valid and clearly outlined? Yes Are the results sufficient to support the interpretations and conclusions? Is the description of experiments and calculations sufficiently complete and precise to allow their reproduction by fellow scientists (traceability of results)? Do the authors give proper credit to related work and clearly indicate their own new/original contribution? YES Does the title clearly reflect the contents of the paper?

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YES Does the abstract provide a concise and complete summary? YES Is the overall presentation well structured and clear? I was surprised, but YES Is the language fluent and precise? YES

Are mathematical formulae, symbols, abbreviations, and units correctly defined and used? I MORE PREFER TO USE WAVE HEIGHT IN CM, HERE IT IS PRESENTED IN M. BUT THAT IS OPTIONAL.

Should any parts of the paper (text, formulae, figures, tables) be clarified, reduced, combined, or eliminated? NO

Are the number and quality of references appropriate?

YES Is the amount and quality of supplementary material appropriate? YES

Interactive comment on Earth Syst. Dynam. Discuss., doi:10.5194/esd-2016-68, 2016.

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