

Review of

“Multiyear surface waves dataset from the subsurface 'DeepLev' Eastern Levantine moored station”

by Haim et al.

This is a valuable paper and dataset no doubt worthwhile of publication. I have some notes and suggestions along the paper that I list below.

I(ine)13 – It is not because I am one of the co-authors, but I believe that the timeseries reported by Pomaro et al (since 1979) should be mentioned. Reference:

2018 A.Pomaro, L.Cavaleri, A.Papa, P.Lionello, “39 years of directional wave recorded data at the Acqua Alta oceanographic tower” *PANGAEA*, <https://doi.org/10.1594/PANGAEA.885361>,

I27 et al – I do not have a solution, however my feeling (possibly biased by the one in front of Venice) is that usually people mean something different with the word 'platform'

I91 – My opinion is that it would be correct to mention the original paper by Longuet-Higgins, Cartwright and Smith

I101 – “... all measurements that passed ...”

I107 – Is this deployment still going? If not, it should be mentioned

I109-110 – 'Soffer et al, 2020' is mentioned twice. Previously ...

I150 – My feeling is that possibly the situation is slightly more complicated. Ok, you detrend, but this means that the depth changes during the record, and this should affect the attenuation, the measurements, hence the estimate of the wave parameters. Am I correct?

I152 – natural period of the buoy. For which motion?

I177 – Ok for Gunther et al, 1992, but I believe the standard reference for the WAM model is Komen et al 1994 (again, I am not pressing because I am one of the authors)

I180 – I am well aware of the wind bias in the Mediterranean Sea, but in my opinion some more details are required. Otherwise it aears as an excuse.

I197 - “... this specific region, it is ...”

Figure 5 – right panel. In my opinion it would be interesting and instructive to extend the lower limit of the two axes to lower T values. There is the obvious problem of the attenuation of waves with depth, especially when waves are shorter (lower periods). In any case the apparently lower general periods of the model, also for longer periods, is not fully consistent with what shown in the left panel.

Nice work and dataset obtained in difficult conditions with an innovative approach.

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