Comment on angeo-2022-4: Methodology and circular mean
Spencer Hatch

I am having a hard time understanding the motivation for the methodology described on Lines 81–90 of the manuscript. Why do the authors resort to constructing a histogram of eight bins of directional values, identifying an "approximate direction," and finally calculating a mean direction based on a (possibly small) subset of their statistics, when there are established statistical methods (e.g., the circular mean, circular variance and standard deviation, vector mean, covariance matrix) for dealing with circular statistics? I have the feeling that the authors may be inadvertently reinventing the wheel, but perhaps I have misunderstood what the authors wish to accomplish with this alternative methodology.

Kind regards,

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References

