

Interactive comment on “Removing low-frequency artefacts from Datawell DWR-G4 wave buoy measurements” by J.-V. Björkqvist et al.

Anonymous Referee #2

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The paper presents a new method for removing low-frequency artifacts from measurements obtained by a GPS-based wave buoy. The artifact is apparently connected with the technique of using the Doppler shift in the GPS signal to measure the velocity of the wave buoy, as they do not appear in measurements using accelerometers. The artifacts resemble an isolated “sawtooth”-shape displacement in the wave record, which produces a f^{-2} trend in the frequency space. The paper describes the correction procedure and provides an example where it has been applied for measurements in the Gulf of Finland. The paper is well written with a clear structure, and is to my understanding suitable for publication.

Interactive comment on Geosci. Instrum. Method. Data Syst. Discuss., 5, 363, 2015.