

Earth Syst. Sci. Data Discuss., community comment CC1  
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## **Comment on essd-2022-344**

Adam Gauci

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Community comment on "A Mediterranean drifters dataset: 1998–2022" by Alberto Ribotti et al., Earth Syst. Sci. Data Discuss., <https://doi.org/10.5194/essd-2022-344-CC1>, 2023

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This work presents various drifter experiments that were carried out between 1998 and 2022. In Section 2 of the paper, the authors put forward the characteristics and specifications of the four types of drifters used. Very good and relevant comparisons between the instrument dimensions, battery duration, data transmission type, and data formats, are made. Clearly, the authors have extensive knowledge and experience in using and deploying such equipment. The points mentioned are useful to anyone that plans to carry out similar experiments in the same region or elsewhere. In Section 3, details about the data quality control procedures are provided. This has also been carried out meticulously and follows the current state-of-the-art methods. Details of how the data is saved and what information is stored are also mentioned. The 138 trajectories that are discussed are also made freely available. This dataset is useful to several users working with data assimilation or HF radar validation. Well done to the authors. Excellent work!