

## ***Interactive comment on “The MEDESS-GIB database: tracking the Atlantic water inflow” by M. G. Sotillo et al.***

### **Anonymous Referee #2**

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The manuscript is within the scope of the journal and whether it meets a good scientific quality and interest. Authors describe an experiments carried out in the Gibraltar Strait/Alboran Sea area using different types of Lagrangian drifters. Data, after accurate QC here described, are part of the MEDESS-GIB database.

The manuscript is well written and well describe the QC carried on data.

Some corrections are necessary on the text. A list follows: - Pag. 2 - line 3, change Program MEDESS-4MS in Project MEDESS-4MS - Pag. 3 - line 3, change coastal circulation with ocean circulation - Pag. 3 - line 25, verify the reference Al-Rabeh et al., 2000 as it is listed in the paragraph References as only Al-Rabeh and dated 1994 - Pag. 8 - line 21, delete the close parentheses at the end of the sentence - Pag. 10 - line 17, change spike; with spike. - Pag. 14 - line 25, can you provide references for what  
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mention on this line? "...exchange in the biogeochemical processes of the western Mediterranean Sea." - Pag. 16 - line 13, verify the status of Capo' et al., 2015 (now in press? 2016?) - Pag. 16 - line 14, correct operational modesl with operational models - Pag. 17 - line 1, correct Garscard in Gascard - Pag. 18 - line 19, the reference "Shadden, S. C., Lekien, F., Paduan, J. D., Chavez, F. P., and Marsden, J. E.: The correlation between surface drifters and coherent structures based on high-frequency radar data in Monterey Bay, Deep-Sea Res. Pt. II, 56, 161–172, 2009." in not in the text but only in References. Please verify. - Pag. 18 - line 29, change Journal of Operational Oceanography in J. Oper. Oceanogr.

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Interactive comment on Earth Syst. Sci. Data Discuss., 8, 863, 2015.