

Comments	Corrections
Page 1 Line 11. should read “zooplankton” instead of “zooplanktonic organisms”	Done
P1L20 remove extra parenthesis “(, ...”	Done
In abstract you refer to “primary production estimated with satellite data”, and continue stating at P1L20 “...with primary production peaks preceding...”. But in reality you do not provide any primary production estimates. Most likely you mean “...phytoplankton biomass peaks preceding...”. Correct these sentences accordingly, remove references to primary production, unless you can show the data, and refer to phytoplankton biomass. Applies also to P9 L19	We have replaced this with “biomass of primary producers”. At page 9 we wrote “if in this area the phytoplankton biomass is a relevant driver for blooms of secondary producers”
P2L10-11: Fractal sentence, please rewrite e.g. “DVM is found within practically all taxonomic zooplankton groups and it is generally assumed that there must be a common reason for such behaviour”	Changed in ‘DVM is widespread and found within practically all taxonomic zooplankton groups, so that it is generally assumed that there must be a common underlying reason for such behaviour’
P3L7: Provide a scientific reference instead of the one from instrument manufacturer	It is quite common in papers using ADCP data to mention this reference of the manufacturer technical manual, and we already did it in many other works, since these aspects are really dealt in detail in there.
P5 L17: I’m not a specialist regarding the MED water masses, but it sounds strange to state that IW (found at 150-450 m depths) is the “warmest” water mass of MED.	we remove warmest (it is “relatively” warm, i.e. in the TS diagram it is characterized by a relative T max, but depending on the season the AW might obviously become warmer)
P6 L7: provide information on ADCP manufacturer	RDI is the name of the manufacturer, we added the whole name in parentheses
P6 L19: Should read “ADCP settings”	Done
P6 L 24: Give a unit for R (m?)	Done
P6 L27: Give a unit for B (m?)	Done
P7 L1: Give a unit for H (m?)	Done
P8 L6: Should read “...Wetlabs fluorescence sensor ...”	Done
P13 L30 Onwards and Figure 5: Isn’t it a bit strange that differences between observed peak frequencies are exactly – strictly exactly – the same ( $1.157 \cdot 10^{-5}$ Hz). Please check if there is an artefact in your analyses which creates such harmony.	Our time series consist of 2-hourly data, each data point comes out of an average over 2 hours of 10 seconds measurements. If some organisms move at 4am, another group at 4.45am and a third group at 5am, their signal in W and MVBS are all going into the same average, in the same point of the time series, so

	this explains why they might all end up in the same peak
P15 L30: It is clear that primary production – C-fixation by phytoplankton – is the reason for phytoplankton blooms. Therefore, though you have not estimated primary nor secondary production as such, much of the reasoning in caption 4.4. is valid. In P15L30, however, you make very specific statement “the peaks in primary production precede the peaks in secondary production by about three and a half weeks”, which is not backed up by data, you have not measured production but biomass. Biomass is not equal to production. Thus modify accordingly.	We replaced “production” with “biomass”, thanks!
P15 L32: As above	Modified accordingly
P16 L2: As above	Modified accordingly
P16 L21: As above	Modified accordingly
Figure 2. Be consistent in the labels for chlorophyll fluorescence between figures 2d and 2g and figure caption. Fluorescence is a proxy for the concentration, thus 2g is not showing “concentrations”.	Done
Figure 3. The black lines for sunset and sunrise are hardly visible, could you increase the linewidth	Done
Figure 7. Explain briefly in figure caption how Chla estimate was obtained.	Done
Please do not refer to primary production when you actually should refer to phytoplankton biomass or Chlorophyll	Done, see previous answers
Check your FFT analyses. It seems very strange if there are multiple biological phenomena (several species in concert!) showing together such an exact mathematical rhythm.	Done, see previous answer