



EGUsphere, author comment AC1
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Reply on RC2

Nydia Catalina Reyes Suárez et al.

Author comment on "Multi-platform study of the extreme bloom of the barrel jellyfish *Rhizostoma pulmo* (Cnidaria: Scyphozoa) in the northernmost gulf of the Mediterranean Sea (Gulf of Trieste) in April 2021" by Nydia Catalina Reyes Suárez et al., EGU sphere, <https://doi.org/10.5194/egusphere-2022-393-AC1>, 2022

In general, the scientific significance of the paper submitted by Reyes-Suárez et al. to EGUSPHERE is excellent (1). The manuscript represents a substantial contribution to scientific progress within the scope of Ocean Science regarding the population dynamics of the jellyfish *Rhizostoma pulmo* in the Gulf of Trieste, linking the biology of this organism with different oceanographic and meteorologic features that characterize the area.

Moreover, the scientific quality is also of the same level that the scientific significance (1), due to the fact that the scientific approach and applied methods are valid. The results are discussed in an appropriate and balanced way, taking into account the consideration of related work and including appropriate references.

In general, again, few times a first version of a manuscript has such a high presentation quality (1). The scientific results and conclusions are presented in a clear, concise, and well-structured way, being the number and quality of figures/tables good. The appropriate use of English language I will not give a score as it is not my mother language.

First, we would like to thank anonymous reviewer 2 for her/his useful and constructive remarks and kind comments on our manuscript. All requested revisions were incorporated into the revised version of the manuscript. Responses to the reviewer's comments and changes in the manuscript are reproduced below in bold font.

Detail comments:

Line 109: a space is need after "al."

The sentence has been rearranged. Please see lines 110 in the revised version of the manuscript.

Line 132: a space is need before "Data"

The space has been added. Please see line 134 in the revised version of the manuscript.

Table 2: In the legend or in the head table itself should be detailed that "sp" corresponds to "speed"

The legend in Table 2 has been modified and abbreviations have been added.

Line 255: a space is need before "The"

Amended

Line 263: spaces are need after "C" of the mentioned temperatures

Done

Figure 10d: the rest of the plots in this figure, the "y axis" are well representing the range, but in the case of the Autumn, my opinion is that the authors could short the range. I understand that in the other 3 plots always a range of 10 degrees are used.

We understand the reviewer's point, but to facilitate comparison between the seasons (Figure 11 a, b, and c in the revised manuscript), we would prefer to leave this figure as it is.