Reply on CC1
Fabian Matthias Gäb et al.

Author comment on "Long-term and short-term inorganic carbon reservoirs in Aegean seawater – an experimental study” by Fabian Matthias Gäb et al., EGUsphere, https://doi.org/10.5194/egusphere-2022-564-AC4, 2022

We thank the commenter for his remarks on our study. In many things said here, the commentary is similar to the content of Review #3. We concur with the call for a revision of the literature review, as this point was made by both reviewers. To repeat what was being said in our previous comment: We feel that it is, the outsiders point of view, that enabled us to come up with the idea of these experiments that, as other reviewers confirmed, are new in the field. That does of course not mean, that there is no need for proper scientific writing and literature connection.

The point raised about section 3.2 is valid, we will update our manuscript accordingly. The critique about section 3.3 is probably due to a misleading wording by our side. Speculating about the origin of whitenings was not our aim. We will rephrase. Concerning the rather fundamental critiques about the methodology we think that the author of the comment raised a very good point here. The disequilibrium between atmosphere and the different sinks has not been taken into the calculation by us. Here we will dig deep and revise our calculations fundamentally.

Finally, we want to thank the author for his feel that, despite the flaws mentioned above, our work merits publication.