

Response to Editor on Second Revision of

CYCLOPs: A Unified Framework for Surface Flux-Driven Cyclones Outside the Tropics

We have basically implemented the editor's suggestion for altering footnote two, which now reads

Some would regard latent heating as an additional energy source, but condensation through a deep layer is present in most cyclones, being strongly tied to vertical motion, and one could argue that it should not be regarded as an external heat source but rather as a modification of the static stability (Emanuel et al., 1994). On the other hand, large areas of cyclones are not water saturated and various processes affect the availability of moisture in such regions, and thus, ultimately, the amount of latent heat release (e.g. Winschall et al., 2014). Moreover, latent heat release, when it is strong enough, can lead to the phenomenon of diabatic Rossby waves (Boettcher and Wernli, 2013; Kohl and O'Gorman, 2022; Parker and Thorpe, 1995; Wernli et al., 2002) and here the partitioning between advection and latent heating is important.

This is close to, but not identical with the editor's suggestion. We also addressed the editor's minor point by eliminating two sentences that were no longer relevant to the revised version of the figure and paper.