

Response to the Reviewers' Comments on the Manuscript Titled "The Impact of Synoptic Meteorology on Observed Surface Heat Fluxes Over the Southern Ocean"

The Editorial Support Team

Copernicus Publications

Weather and Climate Dynamics (WCD)

27 November 2025

We are grateful for the opportunity to address the reviewer's comments and further refine our manuscript. In this revised version, we have incorporated all the minor corrections suggested by the reviewer.

1. The specific corrections recommended by the first reviewer have been incorporated into the manuscript.
2. The colour scheme of Figures 1 and 7, including the Skew-T Log-P diagrams for the weather regimes and the open and closed mesoscale cellular convective clouds, has been updated accordingly.

Sincerely,

Sreenath A V