



Corrigendum to

“The role of synoptic circulations in lower-tropospheric dry static energy variability over a South Asian heatwave hotspot” published in Weather Clim. Dynam., 6, 1699–1721, 2025

Hardik M. Shah¹ and Joy M. Monteiro^{1,2}

¹Department of Earth and Climate Science, Indian Institute of Science Education and Research Pune, Pune, Maharashtra, 411008, India

²Department of Data Science, Indian Institute of Science Education and Research Pune, Pune, Maharashtra, 411008, India

Correspondence: Hardik M. Shah (hardik.shah.reach@gmail.com)

Published: 5 January 2026

In the original version of this article, Fig. 10 was published with the spatial plots in an incorrect order, leading to a mismatch with the order of regimes specified in the caption and subsequently the regime descriptions in the main text. In addition, the first instance of $S'_{\text{Tot, Lag1}}$ in the original version of the caption should be read as S'_{Tot} , consistent with the colorbar label. This Corrigendum addresses both these corrections: the reordering of the spatial plots to the correct order and the caption notation adjustment. Please find the corrected figure below.

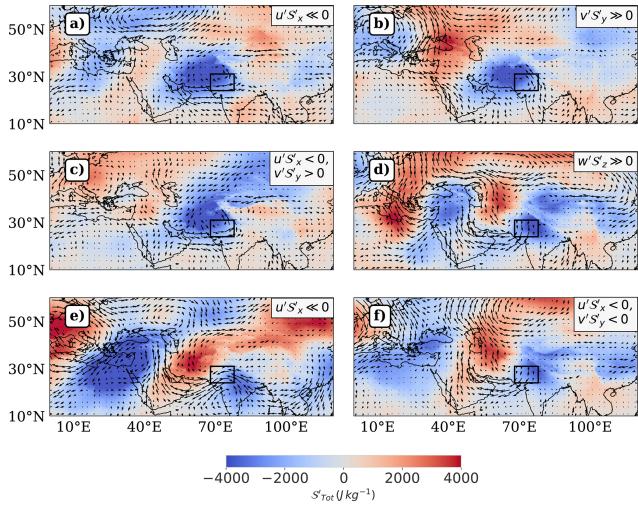


Figure 10. This figure shows the composite representations of horizontal wind anomaly vectors and S'_{Tot} corresponding to the dominant nonlinear combination per advection regime amplifying and dissipating a pre-existing negative lower tropospheric DSE anomaly ($S'_{\text{Tot,Lag1}} < 0$) during April, as defined in Fig. 9. The order of regimes is as follows: (a) QL + NL Growth, (b) NL Saturated Growth, (c) QL Growth, (d) NL + QL Decay, (e) NL Saturated Decay, (f) QL Decay. The upper right textbox in each panel annotates the dominant nonlinear combination for the corresponding regime. Table S5 clarifies the representativeness of an advection regime by the plotted nonlinear combination in the column “% Contribution”. The color coding represents S'_{Tot} values ranging from -4000 to 4000 J kg^{-1} , with stronger hues indicating larger magnitudes.