Response to Reviewer 4

We thank the reviewer for the positive evaluation and the recommendation to accept the paper, and for the careful reading. All suggested corrections will be implemented in the revised version of the manuscript. Reviewer comments are shown in italics; our responses follow in plain text.

Comments and suggestions: *This paper is well written and presents a timely analysis of a very recent extreme heatwave event in Europe, which deserves to be published. The study examines the June 2026 heatwave in terms of its dynamic and thermodynamic behavior. I have only a few minor comments concerning spelling and consistency, which are listed below. Then I suggest to accept the paper for publication.*

- line 51: change “arise” with “result”.
- line 70: delete “heatwave” for redundancy.
- line 77: change “towards” into “toward”.
- lines 90-92: This is a strong sentence. However, given that only an anomaly occurred in June 2026, it is not possible to assume a seasonal shift. Some reference concerning seasonal shifts for Germany should be included.
- line 101: change “to affect” into “affecting”.
- line 199: change “on the 29 June” into “on 29 June”.
- line 201: change “on the 27-28 June” into “on 27-28 June”.
- line 298: delete “to” before of TX.
- line 313: change “days counts” into “day counts”.

Response: All corrections/suggestions mentioned above will be implemented in the revised version of the manuscript. We agree and will soften the aforementioned sentence: record-breaking heat already in June is now described as consistent with the observed lengthening of the summer season (Wang et al., 2021), while noting that a single event cannot demonstrate a seasonal shift. We will also add a quantitative context for Germany.