

Comments on “A dynamic and thermodynamic analysis of the 11 December 2017 tornadic supercell in the Highveld of South Africa”

The new version of the publication “A dynamic and thermodynamic analysis of the 11 December 2017 tornadic supercell in the Highveld of South Africa” has improved. The authors included additional material as suggested and addressed some of the comments raised during the review.

However, the answers to some comments are not convincing yet. This applies in particular to the major comments. Lines 375 to 389 contain essentially the same passages of text as the original submission, although the authors have inserted some relativizing statements in the current manuscript (major comment #1). The same goes for major comment #2. Here, an analysis of 2m temperature, dew point, and wind would improve the publication. The analysis provided in the recent resubmission does not help to analyse the situation with respect to the mesoscale situation. A deeper discussion on the distribution of environmental lapse rates would help to understand how necessary ingredients of convective storms came together in this situation. The comment on the importance of dry air at mid levels has not yet been addressed by the authors yet.

Finally, the structure of the mesoanalysis has not improved significantly. It is still difficult to follow the section since there are jumps between different parts of the analysis.