Geoscientific
Model Development
Discussions

Interactive comment on "The TropD software package: Standardized methods for calculating Tropical Width Diagnostics" *by* Ori Adam et al.

Anonymous Referee #1

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This work presents a framework in MATLAB programming language to calculate the tropical width using the eight most common methods and metrics for this purpose. The package of code called TropD includes not only the source files where all methods covered in the article were implemented, but also includes examples, data and documentation.

TropD is provided under an open source licenses, so it can be used and modified without restrictions. In this way, users can adapt it to their own studies, making a significant contribution to the scientific community.

The article clearly explains each method implemented in the code package TropD. Each important function is implemented in a separate file with multiple options for its execution and its interface is properly documented. An example code and validation

data are included to evaluate the use of TropD.

No significant shortcomings were found in the implementation of this code package. The source code is clear and well organized. All variables are documented and the comments included in the code make this code easy to understand. Therefore, I have no suggestions for improving the code package presented in this work.

Interactive comment on Geosci. Model Dev. Discuss., https://doi.org/10.5194/gmd-2018-124, 2018.