

Interactive comment on “Comparison of gravity wave propagation direction observed by mesospheric airglow imaging at three different latitudes by using M-transform” by Septi Perwitasari et al.

Anonymous Referee #1

Received and published: 9 October 2018

The paper describes the IDL package based on Matsuda transform (M-Transform). Airglow images from 3 sites are analyzed using this code to study the gravity wave propagation climatology. Difference among these 3 sites are discussed. The code could be useful for other airglow imager observations in the world. I'd recommend its publication with minor revision.

The English in the paper could be improved with some proofreading by native English speakers. For example:

1. title remove "by"
2. Abstract: line 24: MERRA-2 is less accurate at polar regions because less data going into it.
3. page 2, line 7: "correct" —> "improve"
4. page 2, line 13: "study" — > "studies"
5. page 2 line 22: "airglow" —> "airglow imagers"

Interactive comment on Ann. Geophys. Discuss., <https://doi.org/10.5194/angeo-2018-107>, 2018.

Printer-friendly version

Discussion paper

