

## ***Interactive comment on “Definition of the energy norm induced metric and its application on the atmosphere” by F. Wan and T.-Y. Koh***

**F. Wan and T.-Y. Koh**

kohty@ntu.edu.sg

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We thank both reviewers for their helpful comments. While data assimilation is not the primary intention of the development of this energy-norm induced metric, it is certainly worth thinking more carefully about. A comparison of the details between previous norm formulations and the current one, insofar as the assumptions go, is also necessary.

We shall address both and other points mentioned carefully and hopefully come up with a satisfactory reply. In the meantime, please bear with us for a while as we go through the points raised carefully.

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