

## ***Interactive comment on “Improved method of estimating temperatures at meteor peak heights” by Emranul Sarkar et al.***

**Anonymous Referee #1**

Received and published: 10 December 2020

The manuscript “Improved method of estimating temperature at meteor peak heights” by Sarkar et al. deals with a long-debated issue of accurate temperature estimation using meteor echoes. They have statistically scrutinized the issue by taking into account the nature of detected echoes, and shown for the first time a method which could estimate the ‘log(decay-time) vs height’ slope without additional information other than the meteor echoes themselves. Although I think that the method is still crude and has a lot to be improved, their trial can be much appreciated. I therefore would recommend the publication of the manuscript once the remarks shown in the attached file are addressed accordingly.

Please also note the supplement to this comment:

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<https://amt.copernicus.org/preprints/amt-2020-333/amt-2020-333-RC1-supplement.pdf>

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Interactive comment on Atmos. Meas. Tech. Discuss., doi:10.5194/amt-2020-333, 2020.

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