

Review report on the manuscript "A novel approach for the extraction of cloud motion vectors using airglow imager measurements", S. Satheesh Kumar, T. Narayana Rao, and A. Taori

The paper is devoted to implementation of technique for retrieving cloud motion vectors by ground based airglow measurements, which potentially useful. The introduction is informative. The analysis and summary of the paper are reasonable. I found this paper enjoyable to read I can recommend this paper for publication in Atmospheric Measurement Techniques with minor corrections.

Minor comments.

1. Please, uncover all abbreviations where they are firstly mentioned, e. g. CCD (page 2662, line 8), MST (page 2662, line 18), Nd:YAG, etc.
2. I would recommend write OH* instead OH, denoting such way that this is excited hydroxyl.
3. Page 2668, line 29, air-glow – on my opinion here and everywhere write as airglow.
4. I recommend for the manuscript proofreading by native English speaker.