

The revised manuscript shows that the MLH is successfully retrieved from the TKEDR measured by the CDWL using conical scanning by a probe beam. The relative error of the retrieval results not exceed 20% with the CNR no less than -16 dB. Also, the results agree qualitatively with the MLH derived from Richardson number. Based on my evaluation, I recommend the manuscript for publication on AMT. Some minor corrections in the English are needed.

1. In page 3, line 11, page 14, line 5 and page 14, line 9. “distrbution” should be “distribution”.
2. In page 13, line 28. “assesed” should be “assessed”.
3. In page 13, line 8. “More over” should be “Moreover”.