

Atmos. Chem. Phys. Discuss., referee comment RC2
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Comment on acp-2022-257

Anonymous Referee #2

Referee comment on "Measurement report: Structure of the atmospheric boundary layer and its relationship with the land-atmosphere interaction on the Tibetan Plateau" by Maoshan Li et al., Atmos. Chem. Phys. Discuss.,
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The authors studied the boundary layer structure in the Tibetan Plateau on the basis of sounding measurements in 2014 and 2019. However, there is nothing new in this manuscript, and only a few sounding profiles were presented. Most literature cited was published twenty years ago, the authors failed to clarify the motivation for the work presented. The authors tried to understand the different influence of the southern branch of the westerly wind and Asian monsoon, while the large-scale synoptic conditions were not presented and analyzed. Also, the authors mentioned the local terrain wind systems (e.g., westerly jet, glacial wind) in the Result section, while no observational evidences were presented.