Geoscientific
Model Development
Discussions

[GMDD]

Interactive
comment

Interactive comment on "REDCAPP (v1.0): Parameterizing valley inversions in air temperature data downscaled from re-analyses" *by* Bin Cao et al.

Anonymous Referee #2

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Air temperature downscaling is important for the mountain regions. This manuscript described a down scaling tools(maybe a software), which were validated by ground observed data in Apls and Qilian mountain. I have serveral concerns: (1) What is new? REDCAPP is a new one, or come from Fiddes and Gruber 2014; Gupta and Tarboton 2016, and Gao et. al. 2012? You should make a declaration clearly. (2) Data introduction is weak. specially, the description of DEM process is too short. I can not understand what you did on the DEM data. (3)Discussion is weak. (4) In general, REDCAPP can not be transfered to different regions. It is a big shortage of this method. So, you should give more work on this issue. otherwise, others can not use your verion 1.0.

Interactive comment on Geosci. Model Dev. Discuss., https://doi.org/10.5194/gmd-2017-60, 2017.