

Interactive comment on “The vertical structure of precipitation at two stations in East Antarctica derived from micro rain radars” by Claudio Durán-Alarcón et al.

Anonymous Referee #2

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This is a very interesting and timely paper presenting vertical profile measurements of reflectivity, Doppler velocity and spectrum width at station in Antarctica. This study is based on a rather unique dataset, is worth of publishing just because of this. I would also like to compliment the authors for a very clear presentation of the results and interesting findings. I have only two comments that I hope the authors would take into account:

1. Given different climatological regimes at the stations, it would also be interesting to see how VPR, VPV and VPS vary as a function of temperature. So if you could take a nearest sounding or model temperature out and plot radar variable profiles as a

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function air temperature.

2. Given different station altitudes, it would also be beneficial that you would correct your Doppler velocity measurements for air density. It should not be too difficult, you could use the standard atmosphere if you cannot get model or sounding data.

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