

## ***Interactive comment on “An evaluation of COSMIC radio occultation data in the lower atmosphere over the Southern Ocean” by L. B. Hande et al.***

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This manuscript presents an analysis of PBL properties and heights over Macquarie Island in the Southern Ocean estimated using spaceborne GPS radio occultation. Cases and statistics are presented. The cases appear to show that COSMIC has little skill in detecting most features, but the statistical comparison appears to indicate much better skill. The disconnect between these two analyses I found to be a little odd, making me wonder if the individual cases were somehow chosen to show the deficiencies.

Overall, I think the manuscript is interesting and should be published subject to some relatively minor revision.

I have marked-up the manuscript in pdf and am attaching that as my review.

C3038

Sincerely

Robert Wood

Please also note the supplement to this comment:

<http://www.atmos-meas-tech-discuss.net/7/C3038/2014/amtd-7-C3038-2014-supplement.pdf>

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Interactive comment on Atmos. Meas. Tech. Discuss., 7, 9771, 2014.