

## ***Interactive comment on “Tropical forcing of increased Southern Ocean climate variability revealed by a 140-year subantarctic temperate reconstruction” by Chris S. M. Turney et al.***

### **Anonymous Referee #2**

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General comments This is a very interesting and carefully written manuscript that sheds significant light on pre-instrumental climate variability over the southern oceans. The evidence for an increase in climate variability is compelling, as are the links to tropical/ENSO variability and Rossby wave propagation. There is quite some overlap between sections 2 and 3 and there is some repetition. Can you rearrange the text to keep the results confined to section 3?

Specific comments Lines 59-60: Could also add Jones et al. (2016) here. Line 84: I wouldn't use the word "competing" here. Both flows act to reduce the north-south temperature gradient, hence are really working in the same sense.

Technical corrections Line 211: Define NCEP. McGlone et al (2010) reference is  
C1

missing an author.

Please also note the supplement to this comment:  
<http://www.clim-past-discuss.net/cp-2016-114/cp-2016-114-RC2-supplement.pdf>

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Interactive comment on Clim. Past Discuss., doi:10.5194/cp-2016-114, 2016.