

***Interactive comment on “Brief communication:  
Changing mid-twentieth century Antarctic sea ice  
variability linked to tropical forcing” by  
Chris S. M. Turney et al.***

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Received and published: 19 July 2017

Anonymous Referee #2

The paper presents the result on the connection between tropical atmospheric circulation mode and sea ice variability in Antarctica. This is a relevant topic in the framework of the understanding of present day and past climatic change, and deserves great interest in the scientific community. The paper is well organized and synthetically reports the obtained result, it deserve the publication on The Cryosphere journal with few technical revisions. >We thank the reviewer for his or her highly supportive comments and especially the comment that the paper deserves to be published.

C1

Specific comments At the end of the introduction some sentences regarding what the paper want to demonstrate are necessary. >This point was also raised by Referee #1, and we have proceeded to add further details on the purpose of the study at the end of the Introduction as described above.

Figures legend are sometime too small, please increase the character size. >This is a fair point. We have increased the character size for all figures as requested.

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Interactive comment on The Cryosphere Discuss., <https://doi.org/10.5194/tc-2017-51>, 2017.

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