

Interactive comment on “Artificial neural networks and multiple linear regression model using principal components to estimate rainfall over South America” by T. S. dos Santos et al.

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Referee #2 (Comment 1): Answer: Thanks for the positive comments. We are sure that this article can assist to reaffirm the importance of downscaling techniques, especially artificial neural networks (which are relatively new) in the study of climate simulations.

Referee #2 (Comment 2): Answer: Thanks for the comments, will be included in the methodology the advantages of artificial neural networks as downscaling technique and the process for this to occur.

Referee #2 (Comment 3): Answer: We think it is necessary to implement new tech-

C576

niques, is super important in work of this nature, because rebuster demonstrate this technique contributes positively to the results.

Referee #2 (Comment 4): Answer: The advantages of the methods, especially the Artificial Neural Networks (recent technique in climate studies) will be included in the methodology.

Referee #2 (Comment 6): Answer: Thank you for observations. The error was found and will be fixed in article

Referee #2 (Comment 7): Answer: Thanks for the opportunity to review and improve the quality of the figures. The resolution of the figures will be increased from 300dpi to 600dpi.

Referee #2 (Comment 8): Answer: Thank you for observations. The error was found and will be fixed in the article.

Interactive comment on Nonlin. Processes Geophys. Discuss., 2, 1317, 2015.

C577