

Climatology and Surface Impacts of Atmospheric Rivers on West Antarctica

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REVIEWER COMMENT #2:

Figure 3: I am not sure if the standard error is used in the right way here. Perhaps replace by the 95% confidence interval, as this is also easier to grasp.

The standard error provides a measure of the average distance of each data point from the trendline. Here, we use the standard error to indicate the range of uncertainty in the trendlines for 1980 to 2020 and 1995 to 2015, and we provide p values for the linear regression analysis used to generate the trendlines. Importantly, even if we use the lower bound on the trendlines plotted in Fig. 3a, we still observe a positive trend in the number of AR events over both time periods.