

Interactive comment on “Evaluation of the warming structure in the Arctic” by C. E. Chung et al.

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After revisiting the trend significance issue and discussing it with other co-authors, I would like to inform the reviewer that we will conduct the trend significance test for both the 1979-2011 and 1998-2011 periods. To justify such an analysis, the null hypothesis is that the observation is one realization sampled from an ensemble of no-trend time series.

In conducting a significance test, we will apply three techniques, two of which address autocorrelation. We believe using three techniques will give robust results.

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