

Interactive  
Comment

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

**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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Interactive comment on Atmos. Chem. Phys. Discuss., 13, 21927, 2013.

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