**Comment:** The referee comments were well addressed and the manuscript has improved in consequence. However, I agree with referee #2 that the sliding t-test and accompanying equations (4-6) are not sufficiently explained. The equations appear rather clunky, x should be written $x_t$ (where _ denotes an underscore) and a reference to literature is missing. Is your method similar to [De Souza, 1983]? Then you might consider adopting his notation with $x_i$ and $y_i$.

**Reference:**


**Reply:** Thanks to the editor for pointing this out. In the revision, we have simplified the complicated equations (4-6) into one equation (line 175). And variables are distinguished by subscripts as you suggested. The sliding t-test used in this study is very similar to the reference you mentioned, but slightly different. And one more closely related reference has been cited in the revision (Maasch, 1988).

**Reference:**