

## ***Interactive comment on “Recent climate change affecting rainstorm occurrences? A case study in East China” by M. Domroes and D. Schaefer***

**M. Domroes and D. Schaefer**

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We appreciate all valuable comments very much and have worked hard to consider same in the fully revised version. We have put many efforts and a great lot of time to go into more precise details - on the basis of the given comments.

We have rewritten all parts of the paper. We also appreciate several comments by the referees to pay more attention to the monsoon dynamics (including the Subtropical High and the Hadley Circulation), but our aim was and is not to go into the physical detail but to present a reliable climate diagnosis, by analysing comprehensively climate data on the basis of approved and internationally applied statistical methods (IPCC).

In fact, we know our vast experiences of China that the length of the summer season is questionable, due to the huge area of China, but to have a study comparable across

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whole (East) China, although a corresponding summer season had to be chosen: this is commonly JJA.

One referee argues that "climate change should be considered at least 30 years". We do not understand this comment as we strongly relate our study to the most recent period of warming (according to IPCC) that is only 25 years, namely 1976-2000. Of course, we are well aware that even a 50 year study of climate change (as said by the referee) would be "better", but - again - the 25 years refer to the IPCC analysis of the most recent period of warming!

We now hope that we have satisfactorily settled the referee's recommendations and thank again for same and for the cooperation with "Climate of the Past Discussions".

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Interactive comment on Clim. Past Discuss., 4, 289, 2008.

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