

Interactive comment on “The variability of radiative balance elements and air temperature on the Asian region of Russia” by E. V. Kharyutkina et al.

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There are several reasons of increase of back earth-atmosphere short-wave radiation at the top: increasing of earth albedo, cloudiness or aerosol composition of the atmosphere. That is why the explanation of derived results demands additional research. According to main goals of this study, the authors tried to verify assumption about the relationship of observed process with cloud cover variability, which is also investigated in the study. It was revealed that variability of back earth-atmosphere short-wave radiation coincides with cloudiness variability, that is trends of these values are positive in the period of 1992-2008. However, small value of cloudiness variability does not allow

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to make univocal conclusion.

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