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Atmospheric Chemistry and Physics Discussions

Interactive comment on "Estimation of nocturnal ^{222}Rn soil fluxes over Russia from TROICA measurements" *by* E. V. Berezina et al.

Anonymous Referee #2

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article is hard to follow as the structure is too complicated. Two many cross-references between paragraphs.

Besides, the instrument used is not a radon monitor but a radon daughter monitor. Therefore, the data can give an estimation of the radon concentration, based on some assumption, but it is not a result of measurement and absolute error measurement cannot be given for radon concentration.

This apparatus running in a 10 min average is not suitable to measure correctly such a low radon concentration.

2.3

radon daughter removal by sedimentation cannot be neglected because rain put those particles down

higher aerosol concentration make also higher radon daugthers concentration

3

10th, 50th and 90 th are very hard to distinguish page 14554,line 22 : It seems that you are talking about table 3, please indicate the number page 14555, line 8 : lack of precision, are you talking of the highest radon concentration or of the highest mean.

Revise table 3 as mean and max are equal in Autumn. I do not think it is possible. An min and mas are referred to what ?

figure 1 : two small, the legend is invisible figure 2 : 10th, 50th and 90 th cannot be distinguished

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Interactive comment on Atmos. Chem. Phys. Discuss., 13, 14545, 2013.