

Interactive comment on “A trajectory analysis of atmospheric transport of black carbon aerosols to Canadian High Arctic in winter and spring (1990–2005)” by L. Huang et al.

Anonymous Referee #2

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I think this is an interesting paper; however, I would like to get a few things clarified.

Why only investigate January and April and present them as representatives for entire seasons? Why not investigate the whole seasons of interest?

Why only investigate winter and spring and not the whole year? This should make the paper much more solid.

Why was the specific time period chosen? Why wasn't more recent measurement data used?

Page 2 Line 18-24: "The anthropogenic emissions. . ." Consider reformulation.

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P2L29-P3L1: "The impact of emissions. . ." Consider reformulation.

P3L4: emphasizing -> emphasizing

P3L4: varing -> varying

P4L30-32: Why is it favourable that the emissions in Russia have increased?

P5L10-11: "A pronounced decreasing. . ." How does this connect to the statement on P5L30-32?

P6L10-12: "The number would be. . ." Consider reformulation.

P9L2-5: "Inter-annual variations. . ." Consider reformulation.

Interactive comment on Atmos. Chem. Phys. Discuss., 10, 2221, 2010.

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