

Interactive comment on “Adjoint backtracking for the verification of the Comprehensive Test Ban Treaty” by J.-P. Issartel and J. Baverel

Anonymous Referee #1

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A comment on the following points would be useful for a better understanding of the practical results of your paper:

Is switching off vertical and horizontal diffusion in an Eulerian model sufficient for calculating a Lagrangian back trajectory (what about numerical diffusion and diffusion due to the coarse grid) ?

Is the difference in the position of the back trajectory and the retro plume only a result of the special way in calculating the trajectory (due to a suppressed vertical exchange the trajectory seems to be formed mainly by the ground level winds in the lowest model layer) ?

Is the 6 hour time step of the ECMWF meteo - data sufficient for a trajectory calculation (it seems to be large) ?

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Original Paper

Interactive comment on Atmos. Chem. Phys. Discuss., 2, 2133, 2002.

ACPD

2, S833–S834, 2002

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