

Cher Collègue,

I have received two reviews of the revised version of your paper. The referees are referees 2 and 3 of the first version (with the same identification numbers).

Referee 2 considers your paper is acceptable as it is. Referee 3 still makes a few comments. In particular, he has changed his mind about the fact that the divergence and vorticity are much less Gaussian than the wind components, and now says that there is nothing paradoxical there. He interprets that fact as a proof of global non-Gaussianity.

Please revise your paper taking into account the comments and suggestions of Referee 3. In view of the importance of his comment on non-Gaussianity of divergence or vorticity, I ask you to respond precisely to that comment. Do you agree with it ? If so, please modify your paper accordingly (that should require only minor changes from an editing point of view). Or do you disagree and, if so, why ? You may also not wish to be too conclusive on this point. In that case, mention the problem, and state that the origin of the non-Gaussianity of divergence and vorticity is in your opinion an open question.

Please also state how you have dealt with the other comments and suggestions of Referee 3.

I add one editing comment : p. 16, ll. 18-19, ... *equal to or smaller than* ...

I thank you again for having submitted your paper to *Nonlinear Processes in Geophysics*, and look forward to receiving the final version.