

## ***Interactive comment on “On the permeability of barrier layers” by J. Mignot et al.***

**J. Mignot et al.**

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we refer here to the referee’s comment no 4.

As indicated in the discussion, “our method is unable to distinguish between space and time patchiness”. This is inherent to the method. Regarding the quantification/speculation on the most “important” concept, it depends of course on “important” for what. If we consider the classical way of grasping the BL impact on air-sea interaction, it is a 1-dimensional consideration and in this sense, the time patchiness might be more important. However, this is not a strong affirmation since lateral and diffusive effects might also play an important role in the climatic effect of BLs.

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Interactive comment on Ocean Sci. Discuss., 6, 799, 2009.

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