Review of the revised version of the paper
Open Boundary Conditions for Atmospheric Large Eddy Simulations and the
Implementation in DALES4.4
by Franciscus Liqui Lung, Christian Jakob, A. Pier Siebesma, and Fredrik
Jansson, submitted to *GMD*

In this revised version, I found that the authors have answered many questions and remarks made by the reviewers. The descriptions of the boundary conditions as well as the configuration of the simulations are much more detailed, and the analysis of the simulation results has clearer objectives and is enriched with some additional figures and comments. As a whole, I found the paper significantly improved and I recommend its publication in GMD.

A few remaining typos or details:

- Eq. (2): it's $\partial u_n/\partial n$ or $\partial u_n/\partial x$, but not $\partial u_n/\partial t$

- Line 137: not exactly. This condition is perfect only for waves in the 1-D case, and for $\epsilon = 0$ (see Blayo and Debreu, 2005).

- Line 147-148: a clearer description could be

$$U^* = U|_{x_n - \ldots}^{t - \Delta t} = \ldots \qquad \text{then } U = \begin{cases} u_n^B & \text{if } |U^*| \leq |u_n^B| \\ U^* & \text{if } |u_n^B| \leq |U^*| \leq \frac{\Delta x_n}{\Delta t} \\ \text{sign}(U^*)\frac{\Delta x_n}{\Delta t} & \text{if } |U^*| \geq \frac{\Delta x_n}{\Delta t} \end{cases}$$

- Eq. (4): remove the comma

- Line 167: conform <u>to</u>

- Line 216: there is a point missing at the end of the line.

- Line 219: <u>an</u> ill-posed...

- Line 294: consist<u>s</u>