



Supplement of

Meso-NH-ISO v1.0: a water stable isotopologue scheme in the non-hydrostatic mesoscale atmospheric model Meso-NH – application to a 2D West African squall line

Christelle Barthe et al.

Correspondence to: Christelle Barthe (christelle.barthe@cnrs.fr)

The copyright of individual parts of the supplement might differ from the article licence.

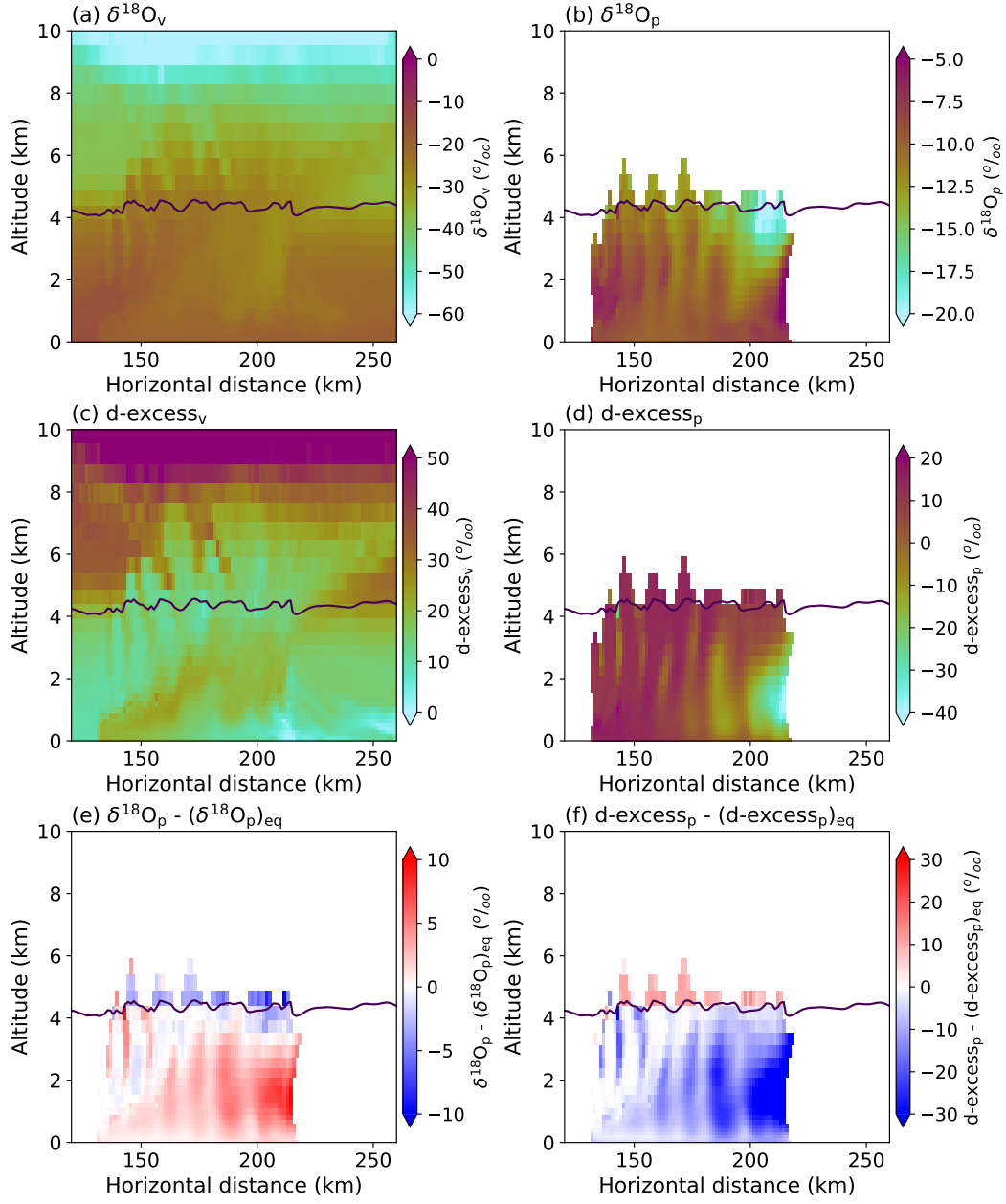


Figure S1: Same as Figure 7 with absolute values.

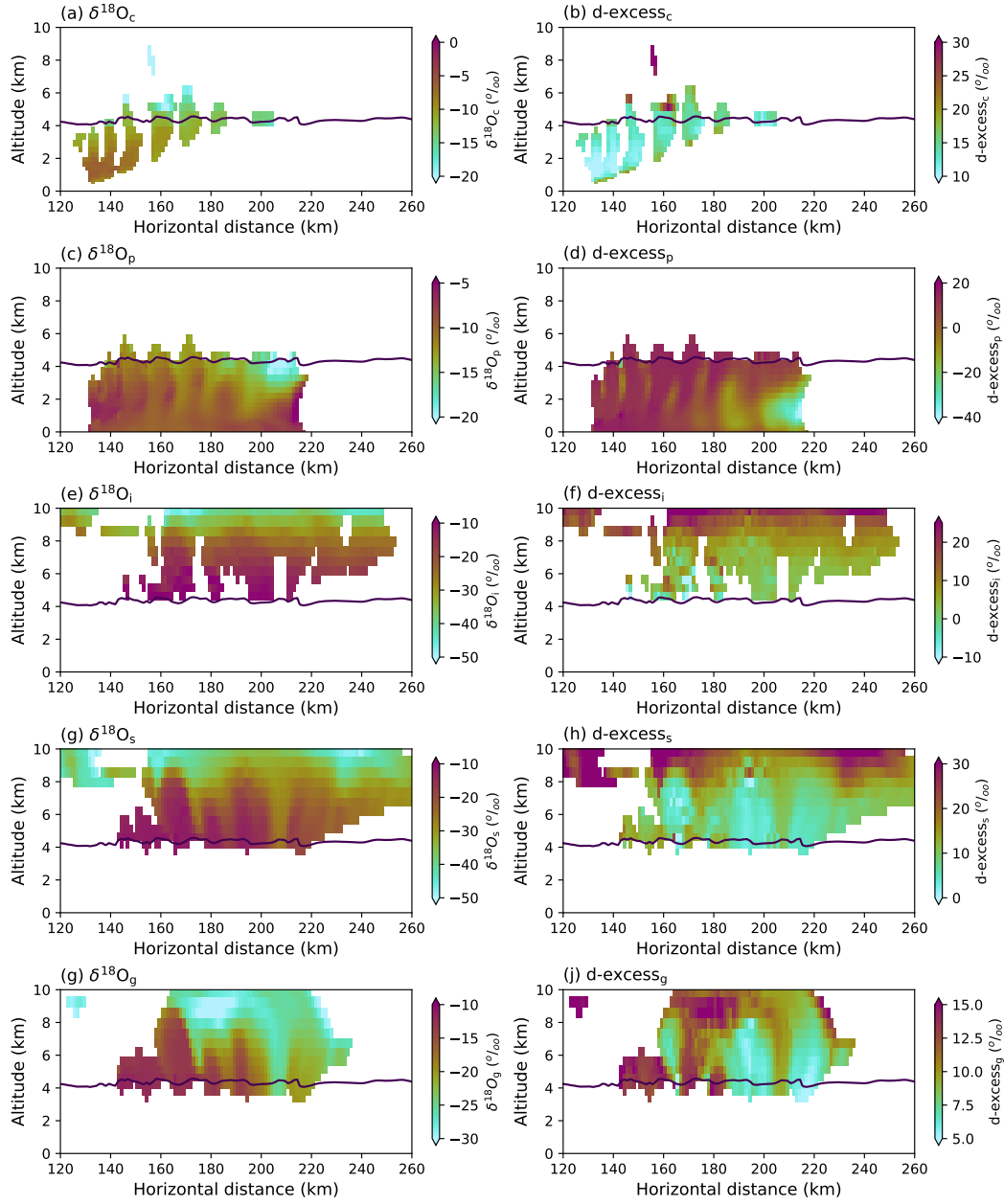


Figure S2: Vertical cross section after 6 hours of simulation of $\delta^{18}\text{O}$ (‰, left column) and d-excess (‰, right column) for all hydrometeor species: cloud droplets (1st row), rain (2nd row), ice crystals (3rd row), snow (4th row), and graupel (5th row). The black line corresponds to the 0°C isotherm.

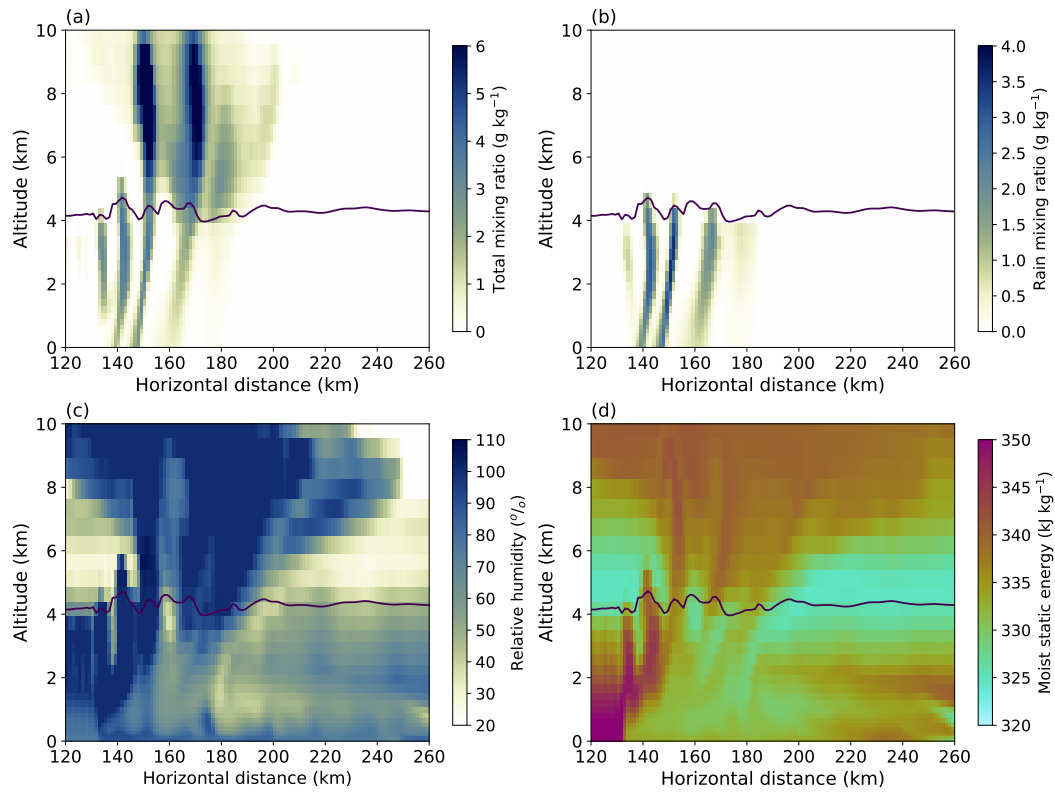


Figure S3: Same as Figure 5 after 4 hours of simulation.

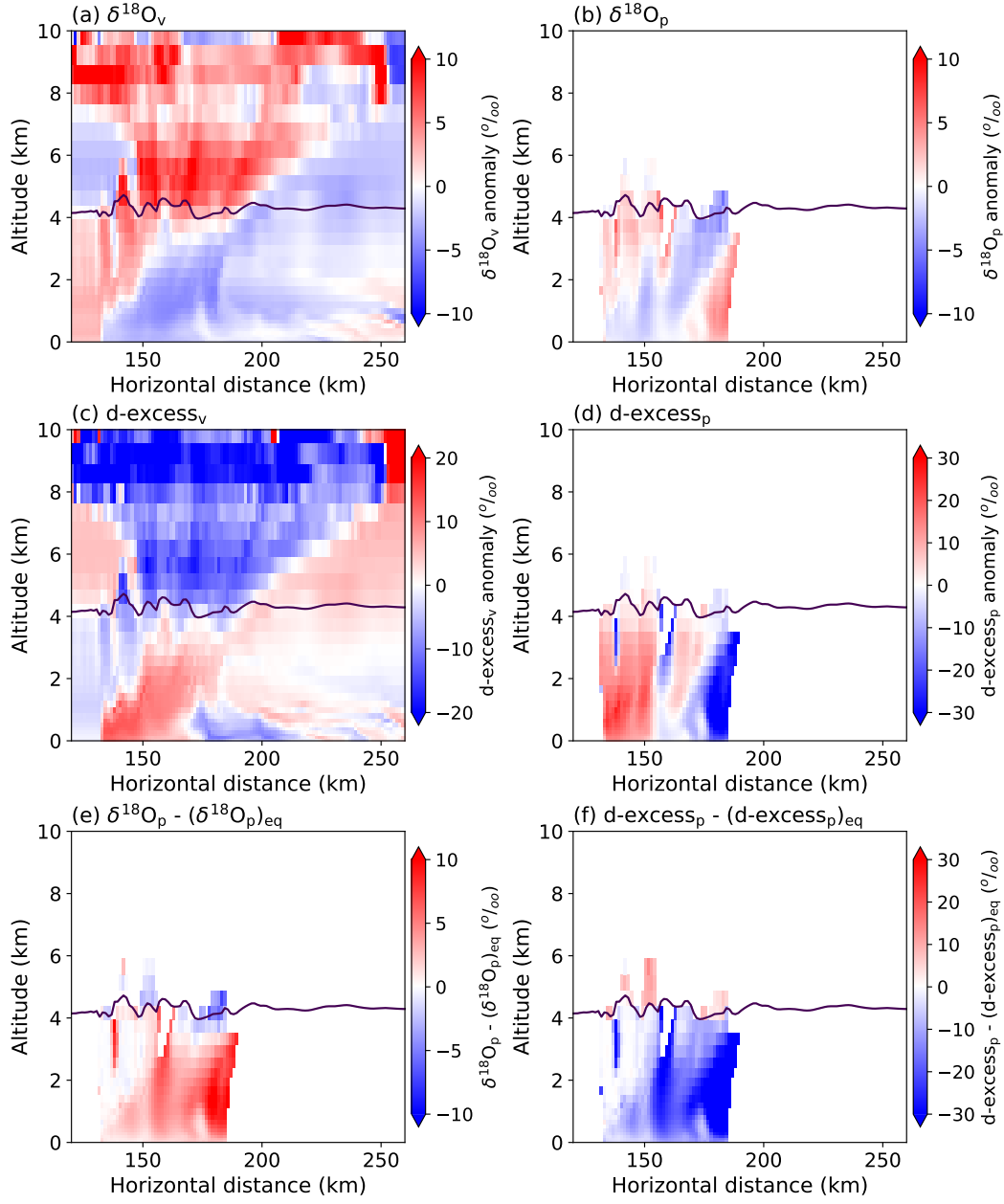


Figure S4: Same as Figure 7 after 4 hours of simulation

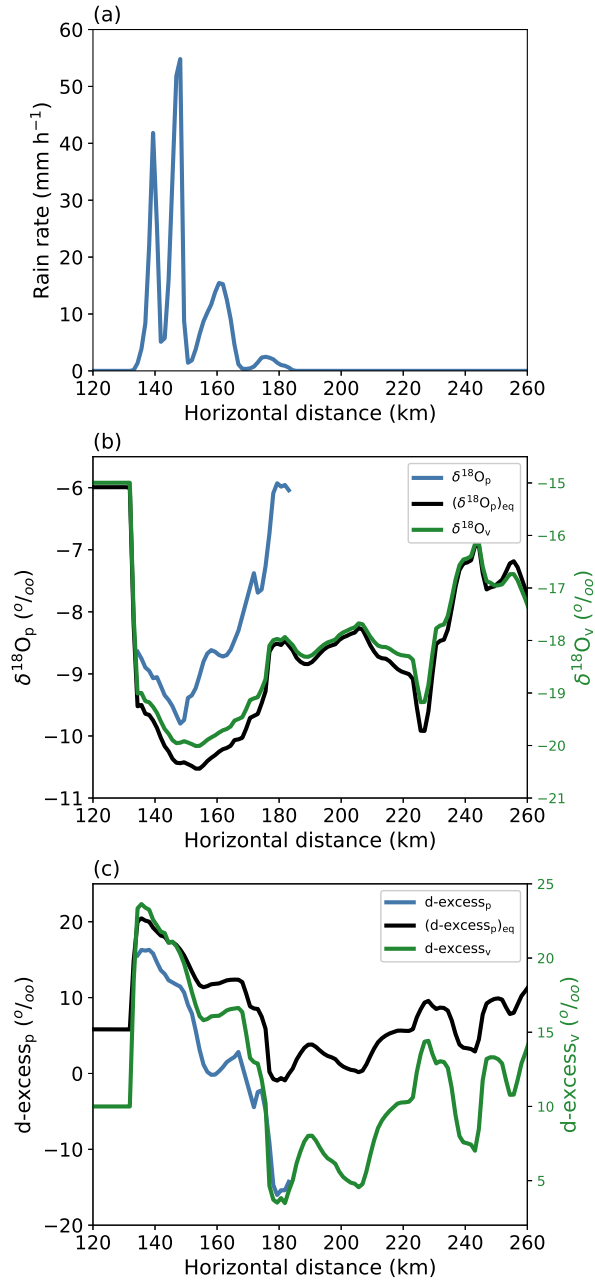


Figure S5: Same as Figure 8 after 4 hours of simulation

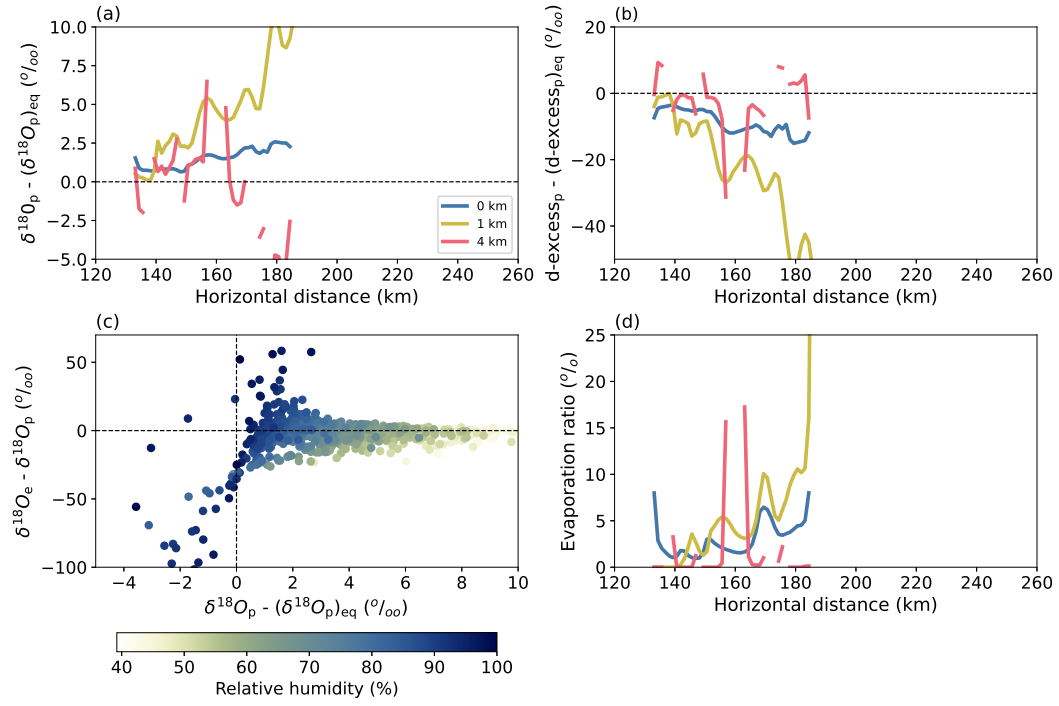


Figure S6: Same as Figure 9 after 4 hours of simulation

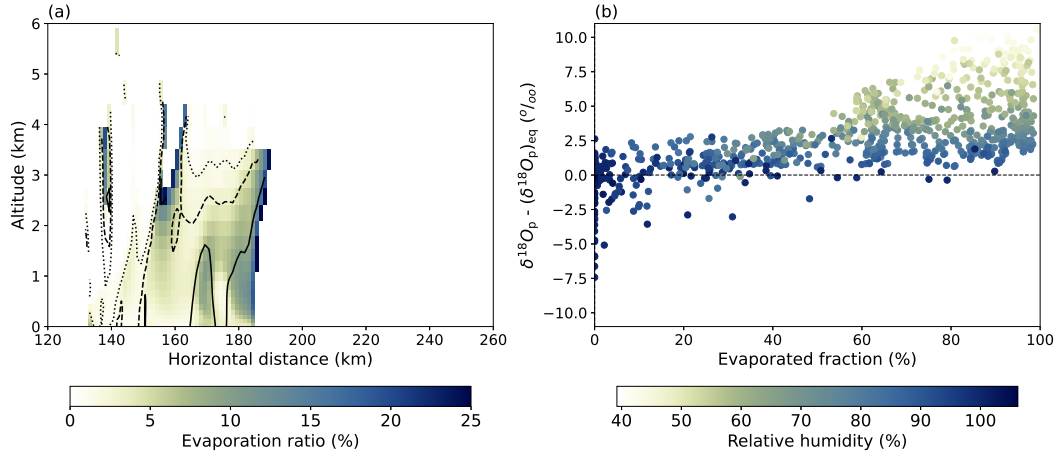


Figure S7: Same as Figure 10 after 4 hours of simulation