Comments on "A model framework on atmosphere-snow water vapor exchange and the associated isotope effects at Dome Argus, Antarctica: part I the diurnal changes" by Ma et al.

The authors developed a box model to quantify the atmosphere-snow water vapor exchange and the isotopic effect at sites with very low snow accumulation rates where the atmosphere-snow exchange is an important post-depositional process that can significantly influence the isotopic compositions in surface snow. The model is better than the simple Rayleigh distillation models in previous studies because it parameterizes atmosphere-snow water vapor exchange by using the bulk aerodynamic method. After reading the revised paper carefully, I suggest to publish it after a minor revision. I gave several minor comments below.

Line 85, "box model." changes to 'box model'.

Line 99-100, the authors indicate that at Dome A the time interval between two precipitation events can reach ~80 days. Please give a reference here.

Line 235-237, the authors indicate that the isotopic composition of vapor in the free atmosphere layer ($\delta f0$) is greater than the isotopic composition of vapor in the boundary layer ($\delta v0$). This is due to the contribution from the free atmosphere can increase the ratio of H218O molecules in the boundary layer (Casado et al., 2018). Why the contribution from the free atmosphere can increase the ratio of H218O molecules in the boundary layer? The authors should explain it in more details.

Line 237, 'Casado et al. 2018' should be 'Casado et al., 2018'.

Line 410-411, the authors indicate that as $\delta^{18}O_{s0}$ decreases, the magnitude of $\delta^{18}O_s$ diurnal changes decreases. But in Fig. 8e, we can see that as $\delta^{18}O_{s0}$ decreases, the magnitude of $\delta^{18}O_s$ diurnal changes increases (not decrease). Is that right?

Line 426, 'Fig. 2, 4c, and 5c' should be 'Figs. 2, 4c, and 5c'.

Line 449, 'data from Dome A simulations' changes to 'data at Dome A'.

Line 526, 'by those in summer' changes to 'by those in winter'; 'snow isotopes.." changes to 'snow isotopes.'.