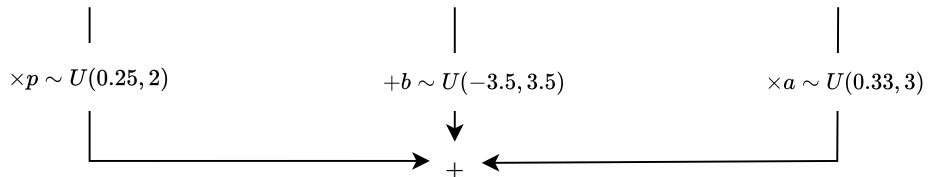
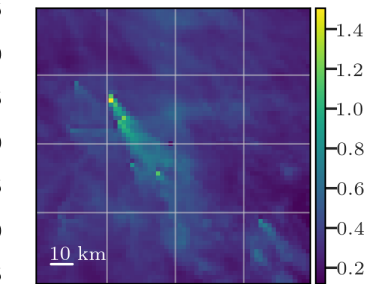
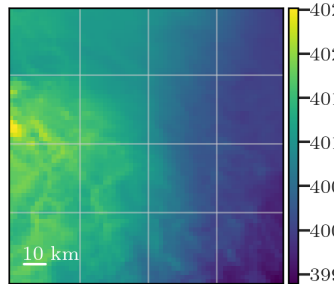
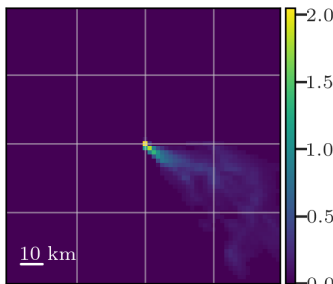


Plume for chosen PP at time  $t$

Background for random PP and time  $t$ .  $t$ . anthro. fluxes for random PP and time

$t$ . anthro. fluxes for random PP and time



$+ \mathbf{G}_{N_x \times N_y} \sim N(0, 0.7)$

**XCO2 field**

Concatenation

Normalisation

**Core CNN model  
processing**

**Backpropagation**

$$\text{Loss} = \frac{\text{pred} - p \times y_{\text{truth}}}{p \times y_{\text{truth}}}$$

Winds and additional  
fields corresponding to  
chosen plume