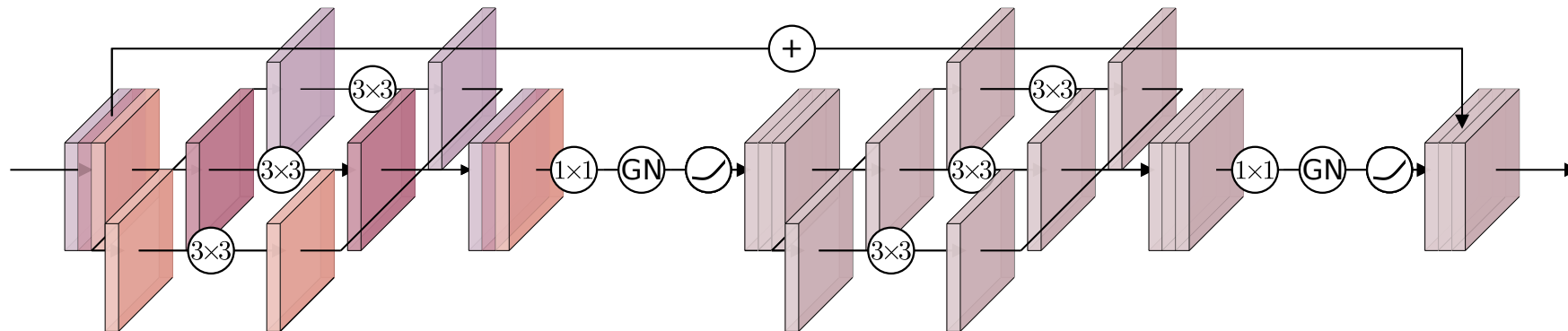


## (a) Xception block



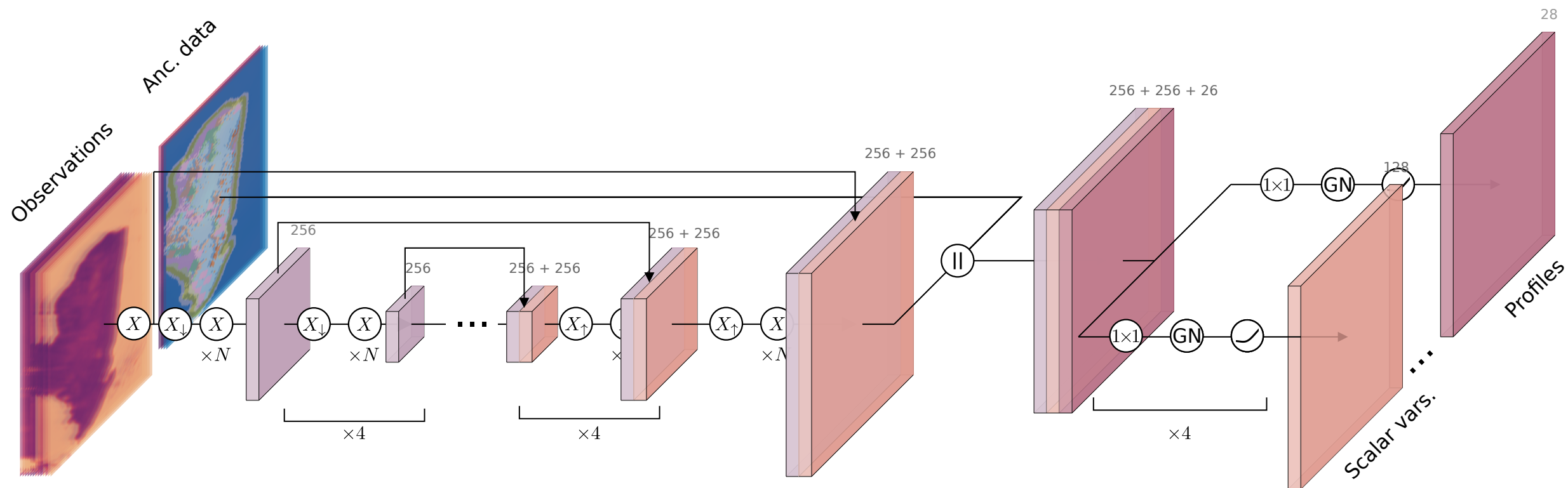
$\textcircled{3\times 3}$  3x3 Convolution (only spat. dims.)

$\textcircled{1\times 1}$  1x1 Convolution

$\textcircled{\curvearrowright}$  GELU act. fct.

$\textcircled{\text{GN}}$  Group norm

## (b) GPROF-NN 3D architecture



$\textcircled{X_{\downarrow}}$  Xception block (w. max. downsampling)

$\textcircled{X}$  Xception block

$\textcircled{1\times 1}$  1x1 Convolution

$\textcircled{\text{GN}}$  Group norm

$\textcircled{\curvearrowright}$  GELU act. fct.

$\textcircled{X_{\uparrow}}$  Xception block (w. bi-lin. upsampling)