# Interpolation and Extrapolation of Subsequent Weather Radar Images

Bachelor's Thesis

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Department of Applied Mathematics

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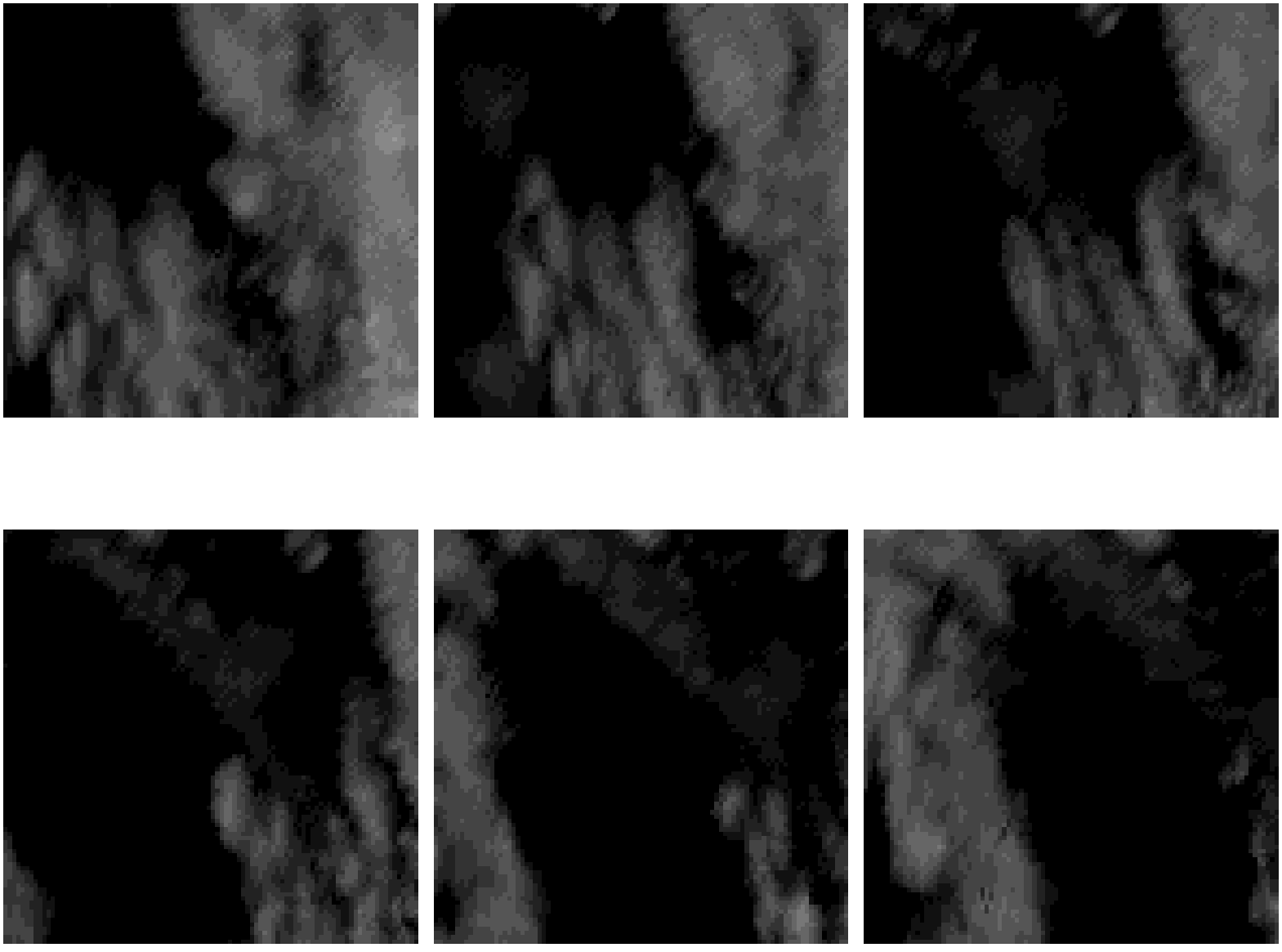
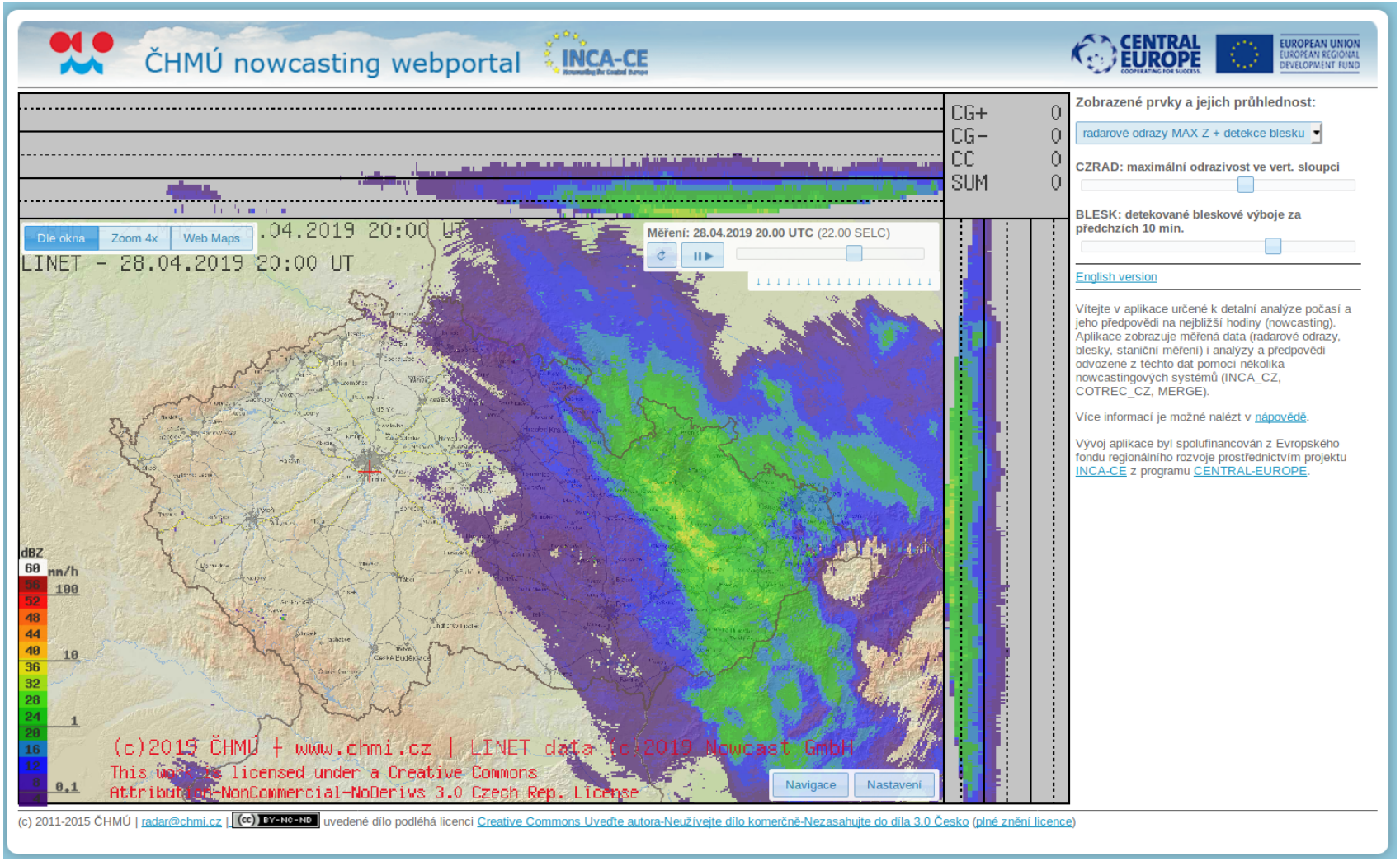
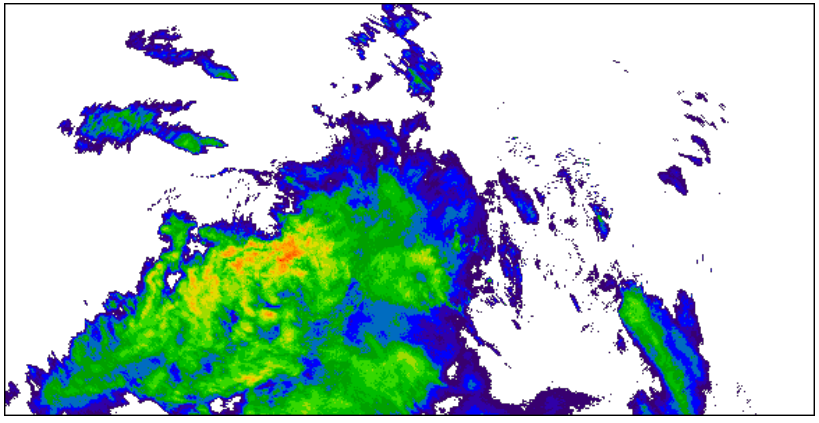
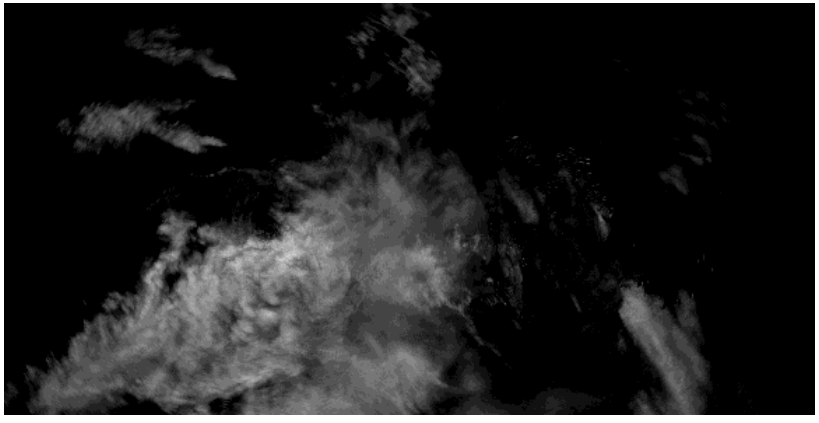
# Introduction

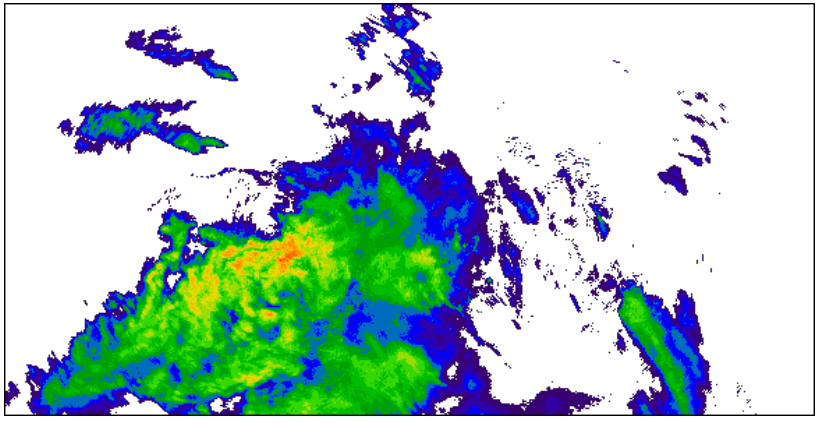


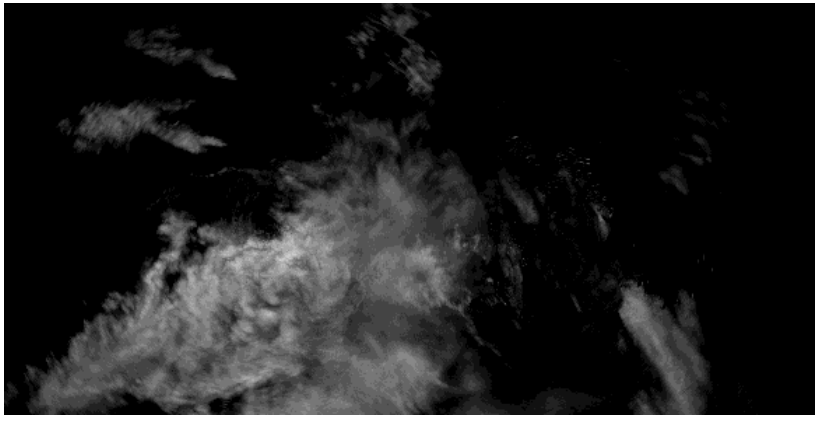


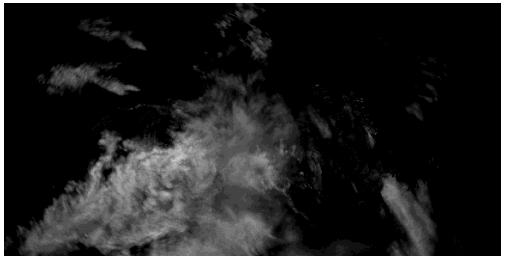

Screenshot of the CHMI radar images from the nowcasting webportal at `portal.chmi.cz/files/portal/docs/meteo/rad/inca-cz/short.html`

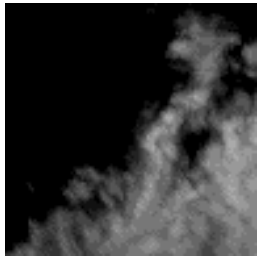


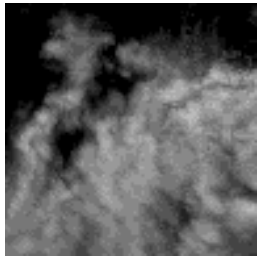


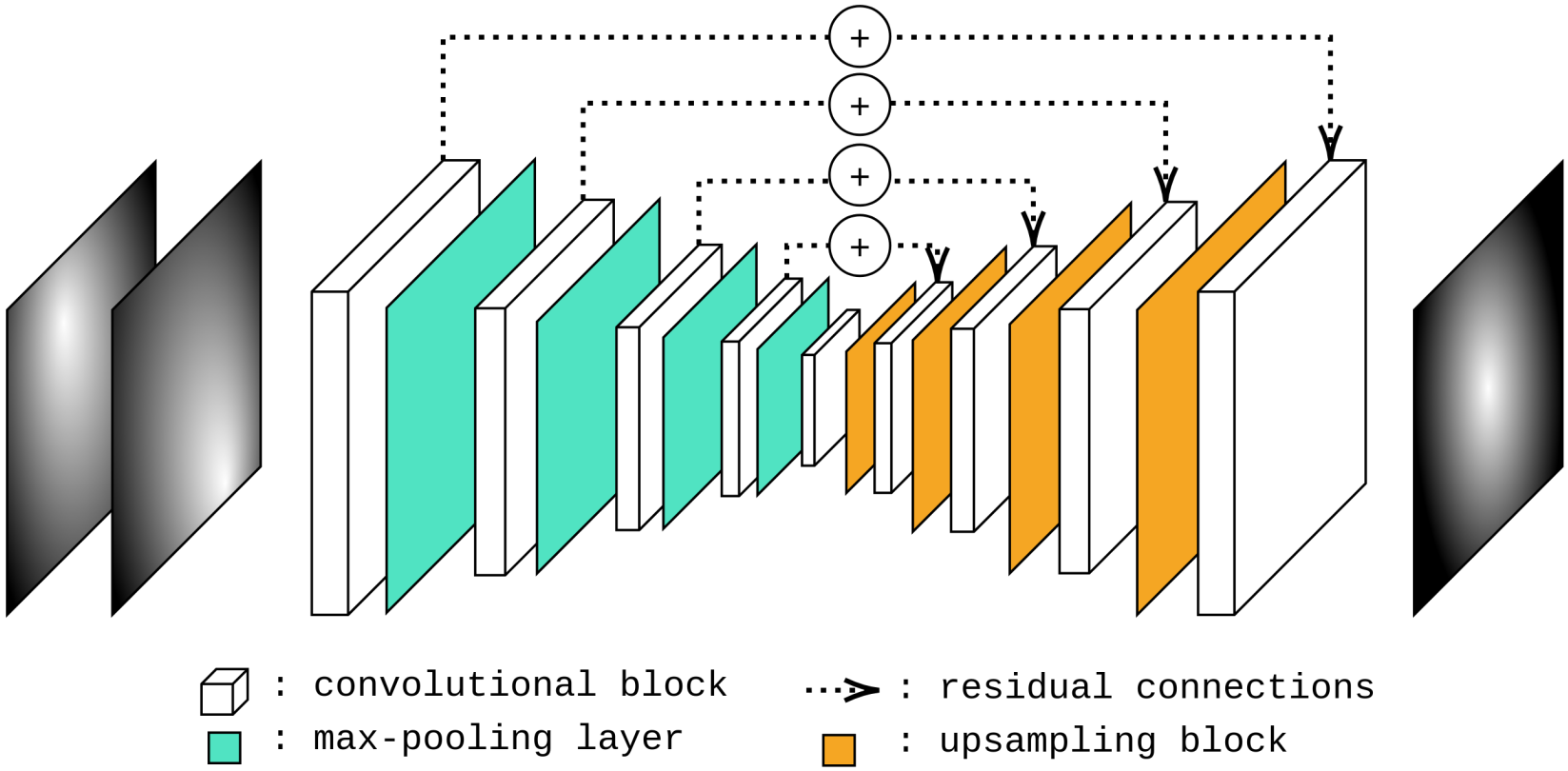




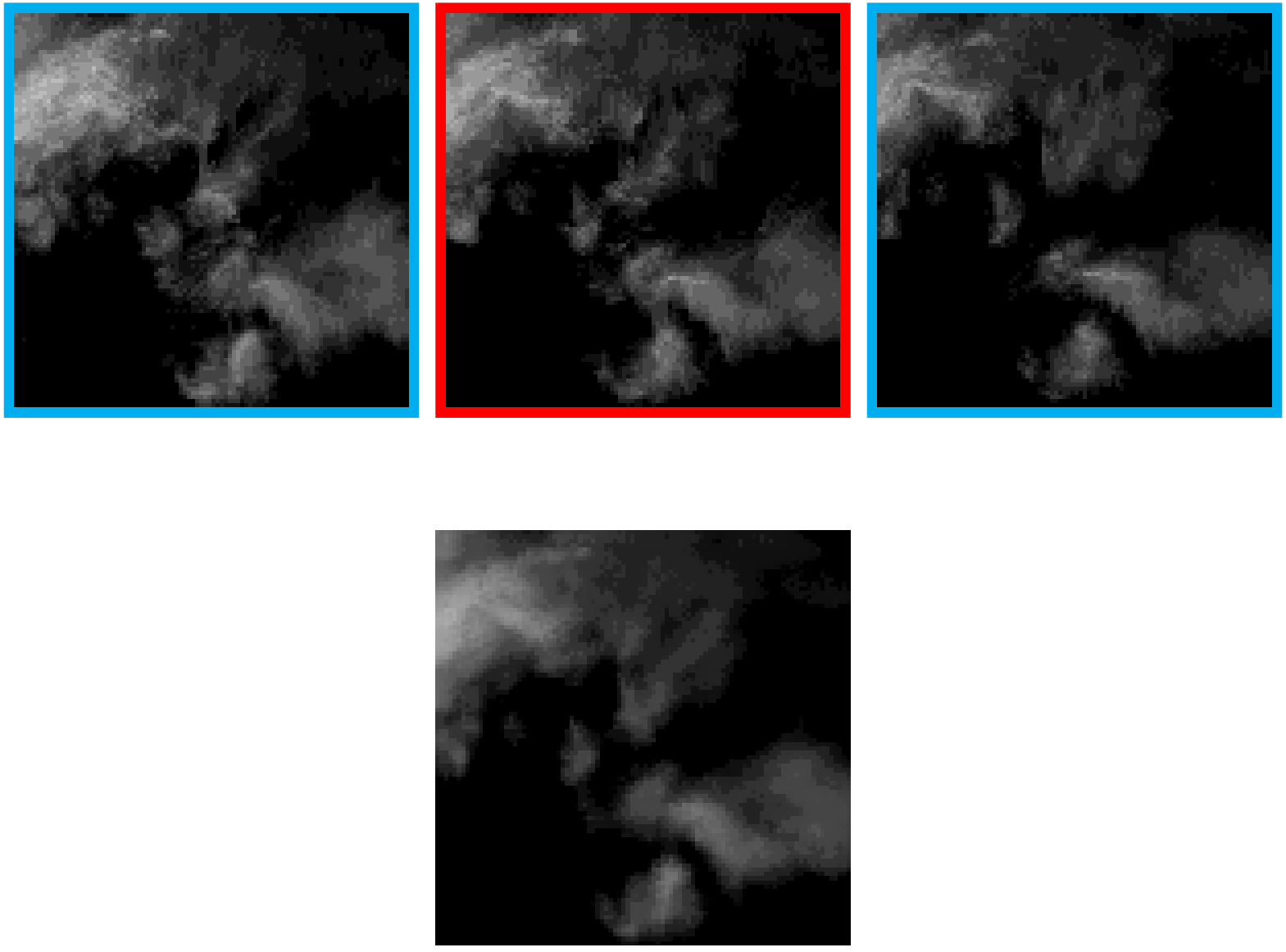







+
+
+
+
: convolutional block
: max-pooling layer
: residual connections
: upsampling block

# Interpolation Results



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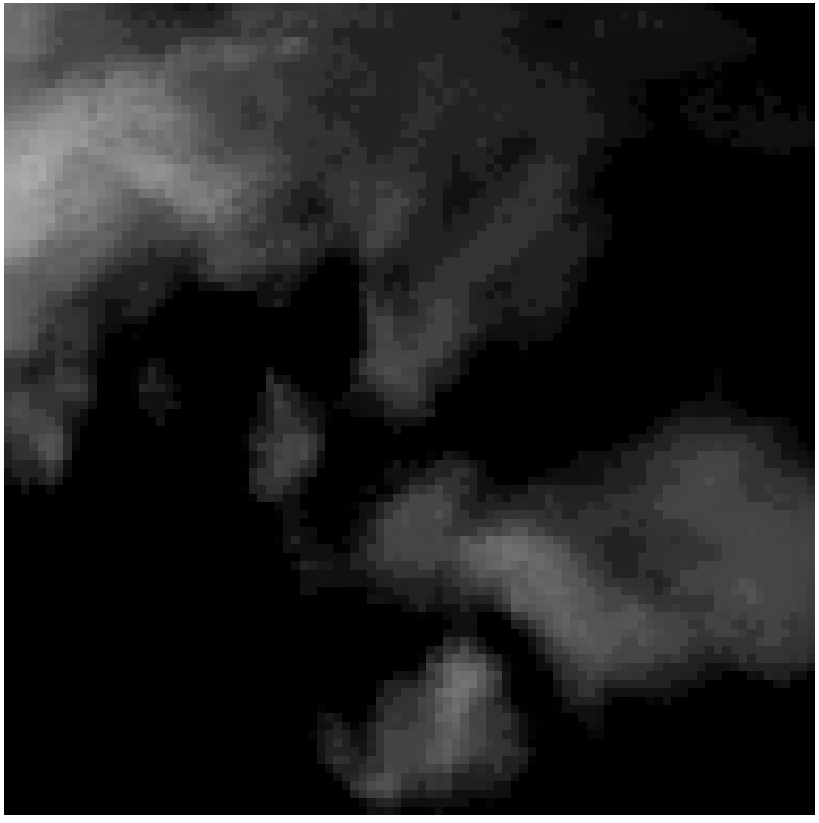
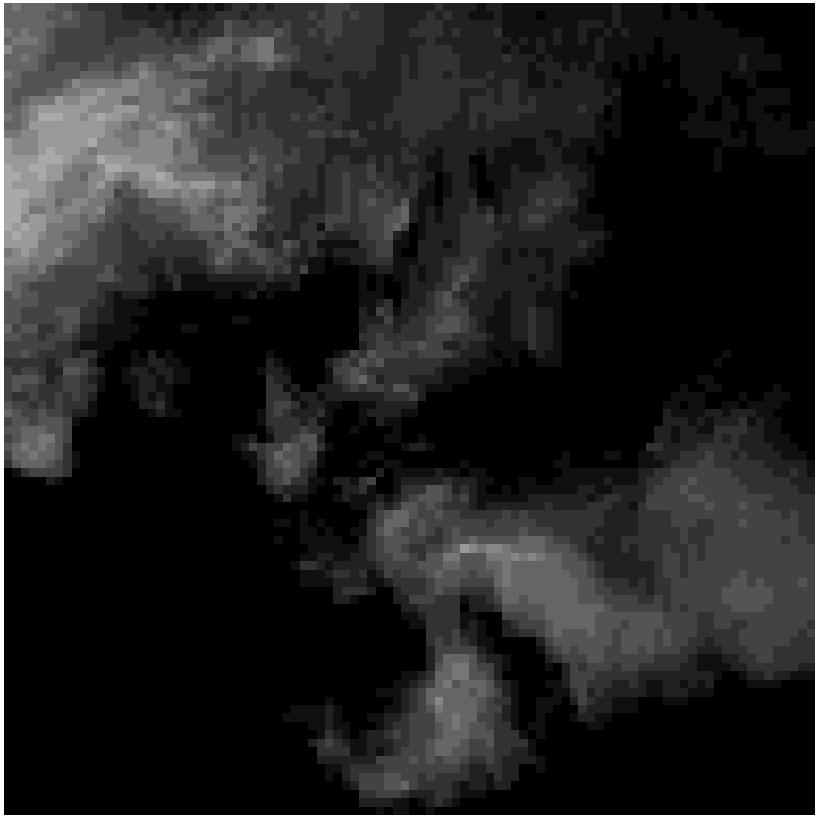
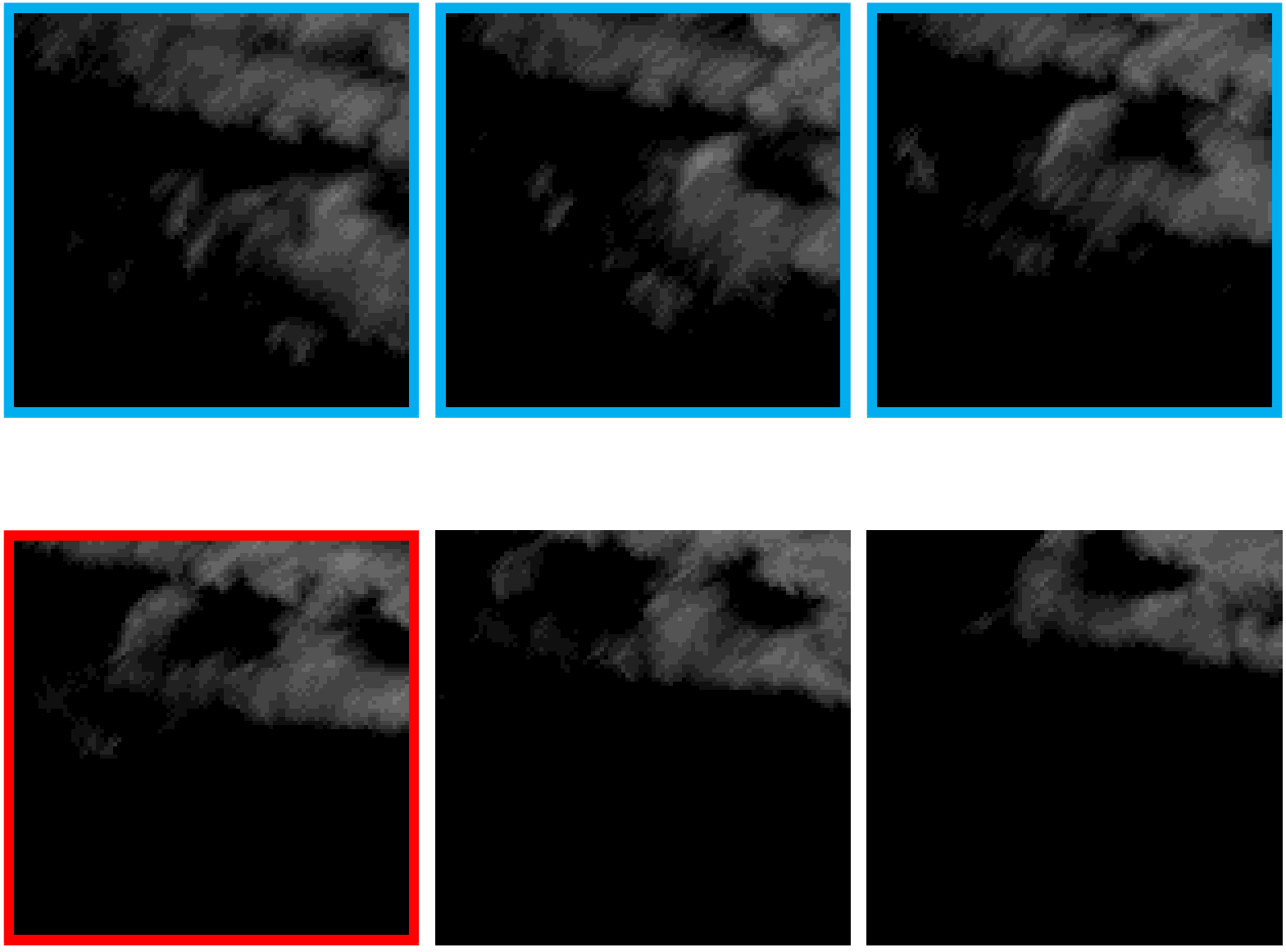


(a) Predicted.



(b) Ground truth.

# Extrapolation



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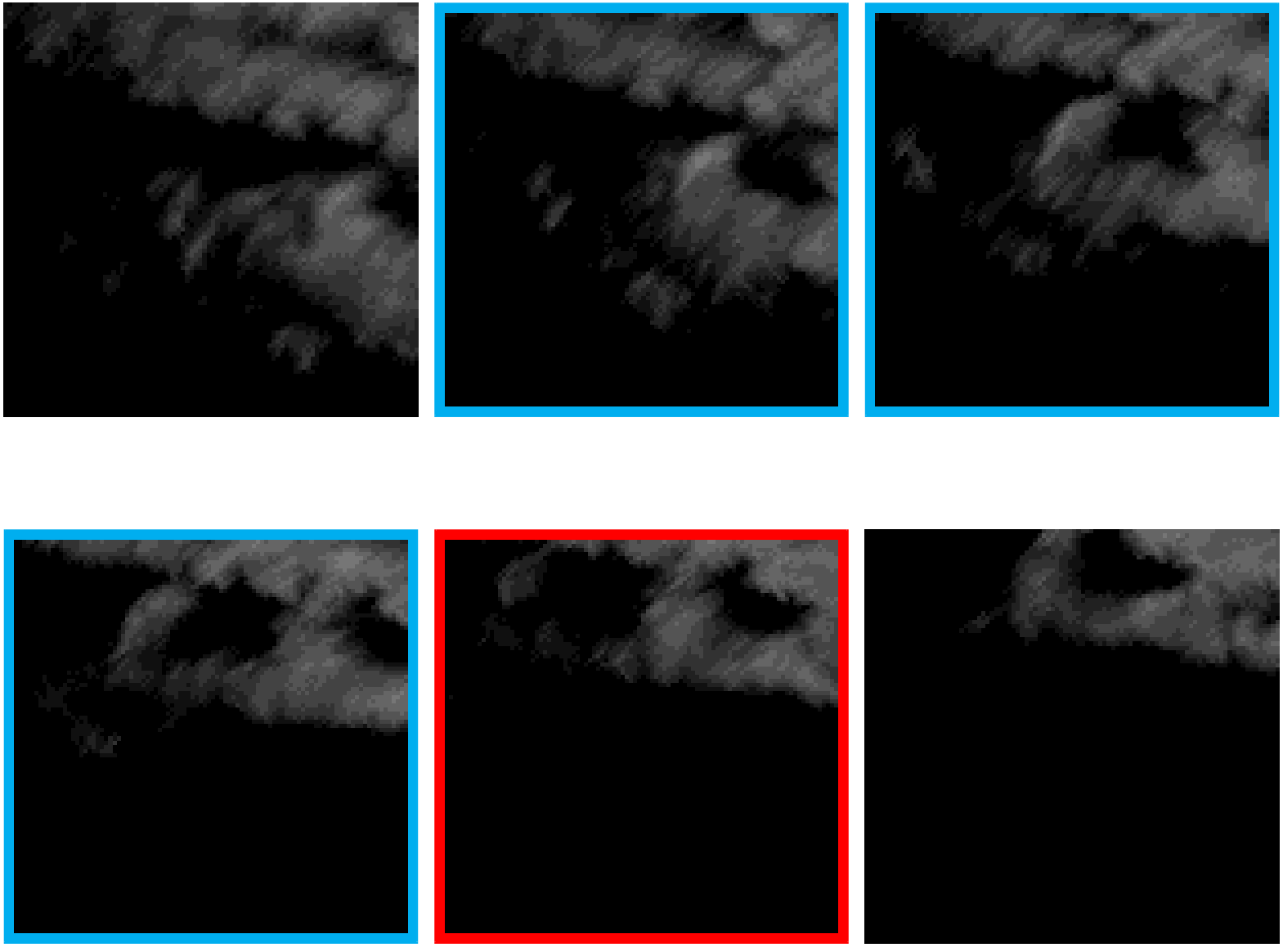
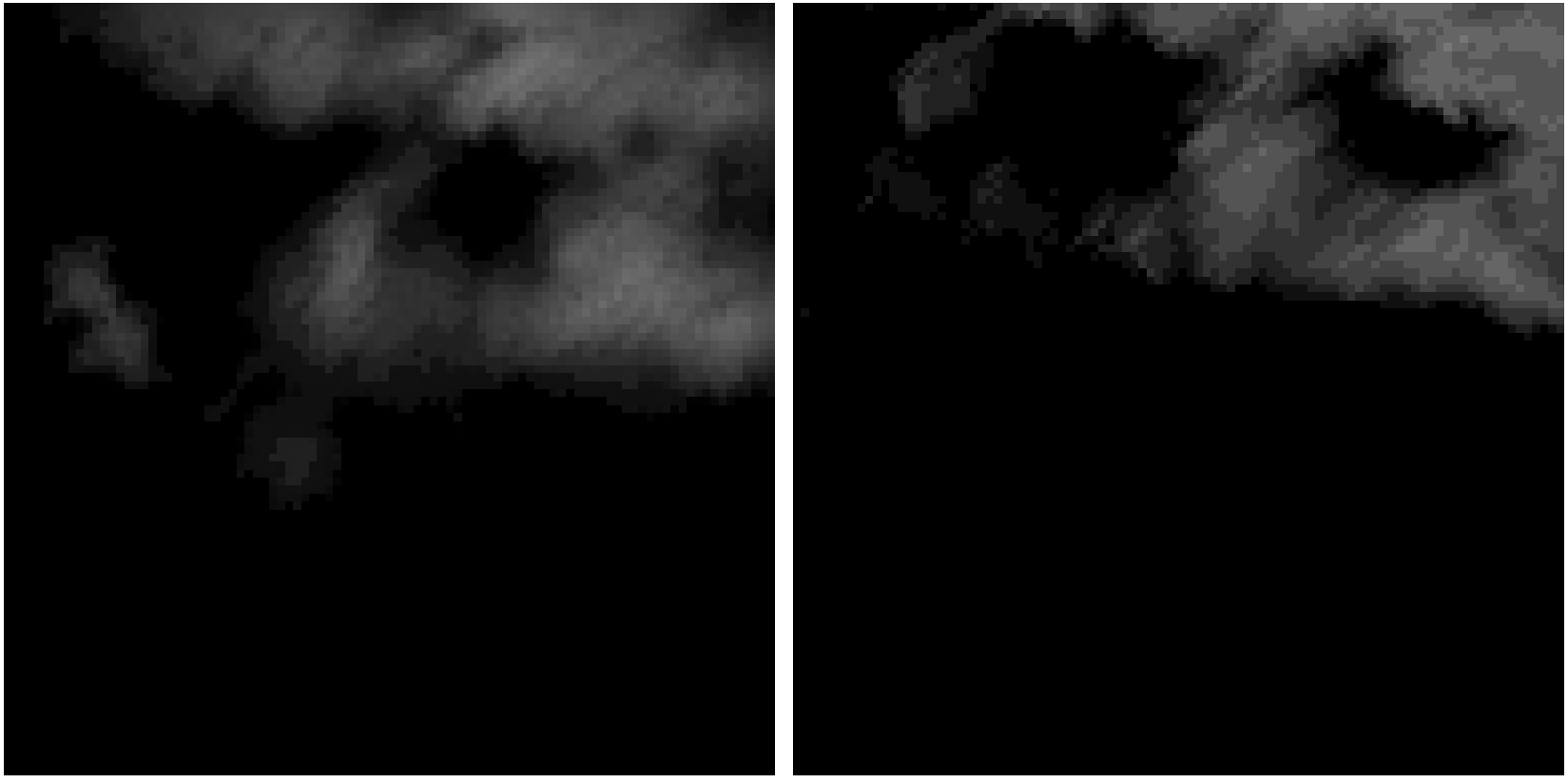


# Extrapolation - Results

Figure 11: Predicted sequence.

Figure 12: Ground truth sequence.

# Extrapolation - Results



(a) Predicted.

(b) Ground truth.

Thank you for your attention!