







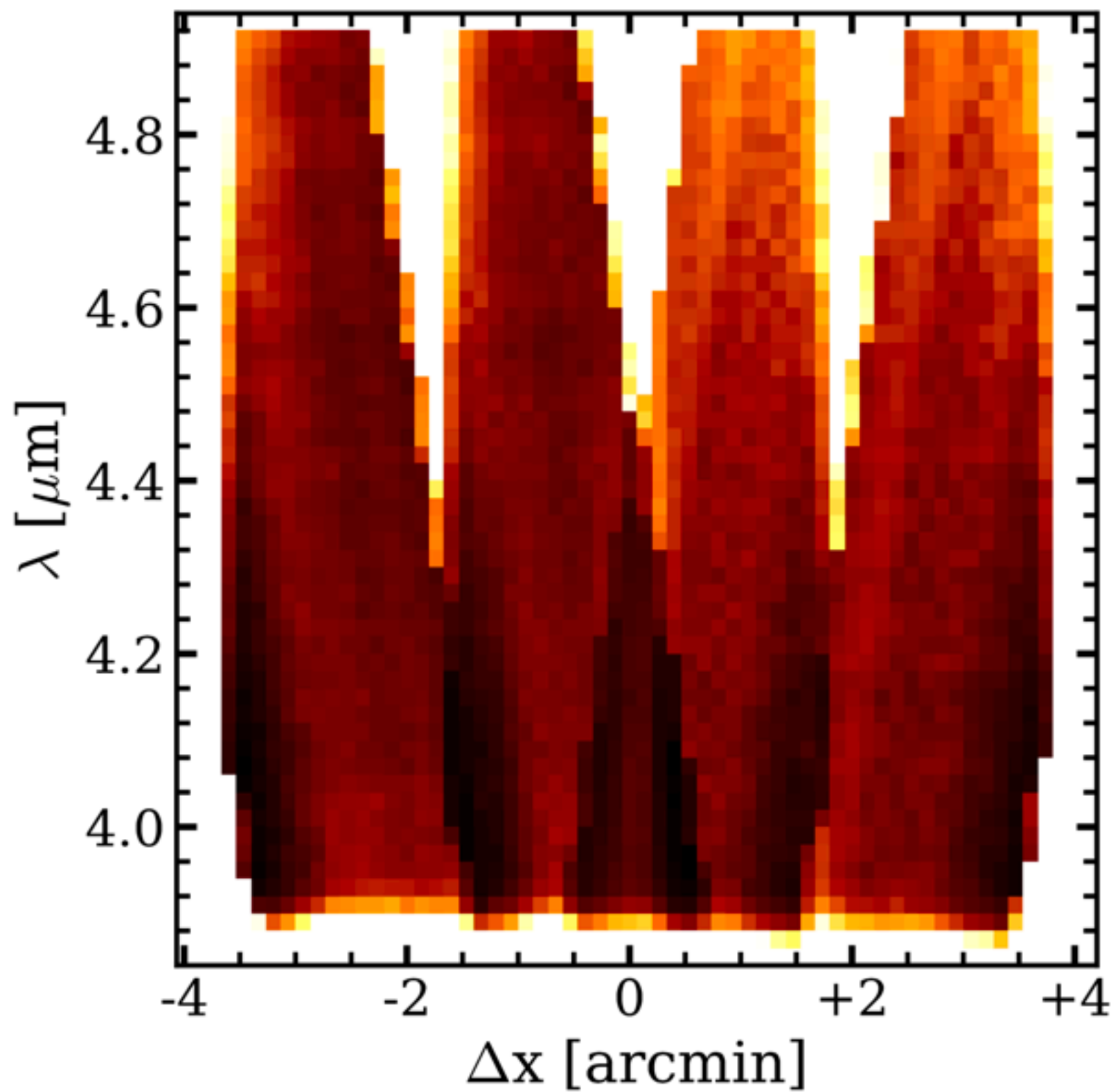






Relative noise level

0.5 1.0 1.5 2.0 2.5 3.0

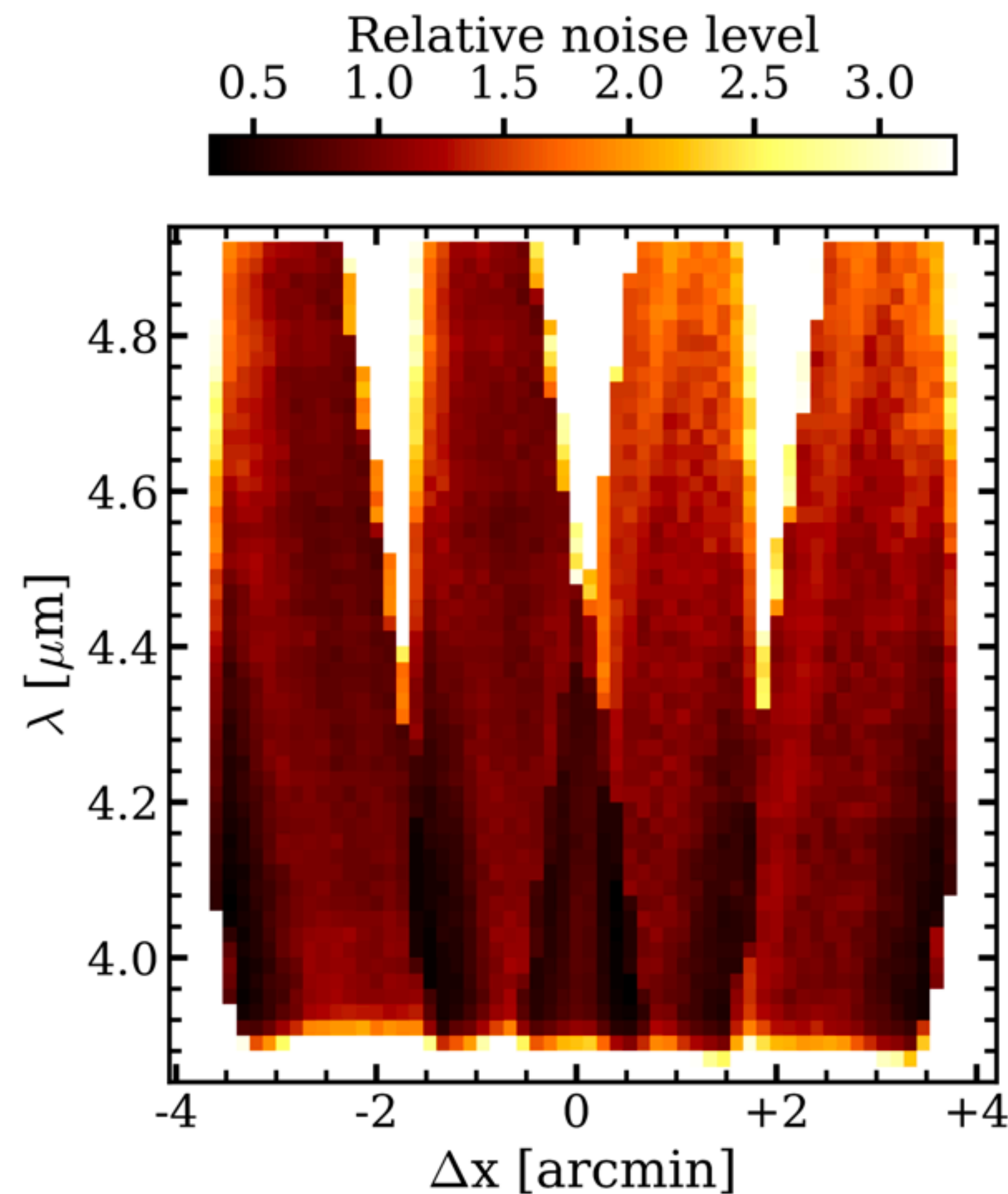








$$5.7 \times 10^5 \text{ cMpc}^3$$



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## Sensitivity in 3D Volume

“Completeness in each 3D grid”

- $x$ : horizontal direction
- $\lambda$ : line of sight

Almost no-variation in the vertical direction ( $y$ )

# Number Density / Luminosity Function

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with detectable volume scaled

$$\Phi(M) = \frac{1}{\Delta M} \sum_i \frac{1}{V_{\text{max},i}}$$