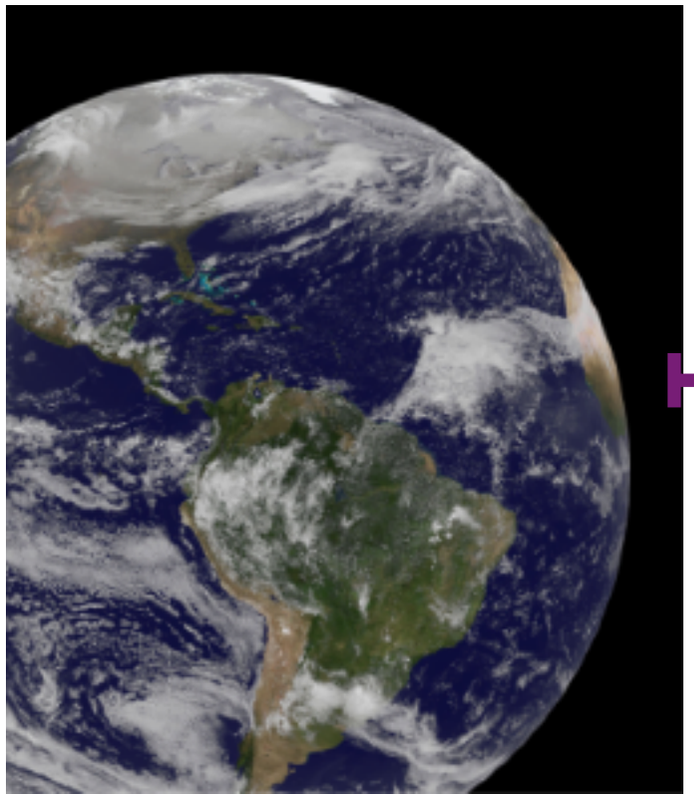
MOTIVATION

- **Problem:** Black holes are far…

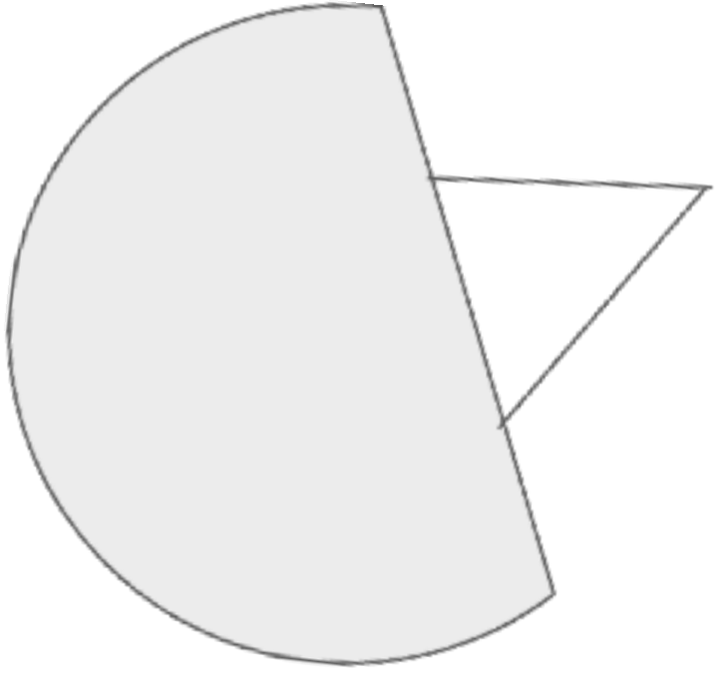


~10^{-8} degrees

~54×10^{6} lightyears

~10×10^{21} Km

- Solution: turn the earth into a telescope



- We want to capture a light that leaves the orbit of a black hole

- **Example:** Suppose we want to infer an image $x \in \mathbb{X}$ of a black hole.

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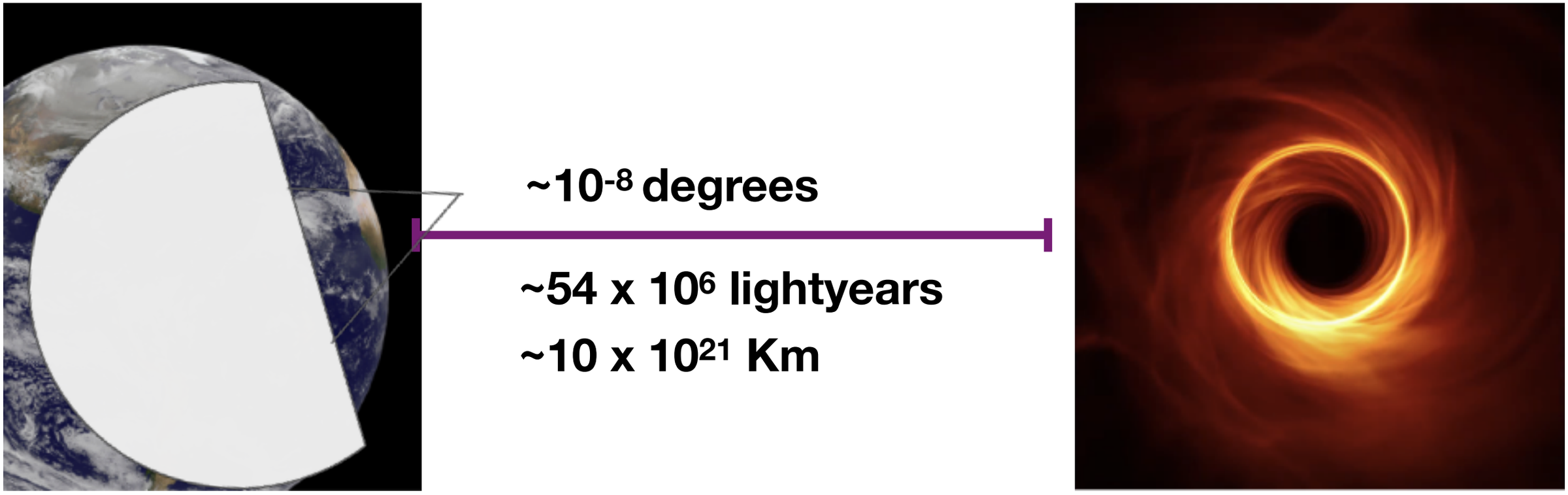

VERY LONG BASELINE INFEROMETRY