

Observing the evolution of geometry and flow in dissolving rocks

Max Cooper, Silvana Magni, Phung Vu, Tomasz Blach, Andrzej Radlinski, Marek Dohnalik, Alessandro Tengattini, and Piotr Szymczak

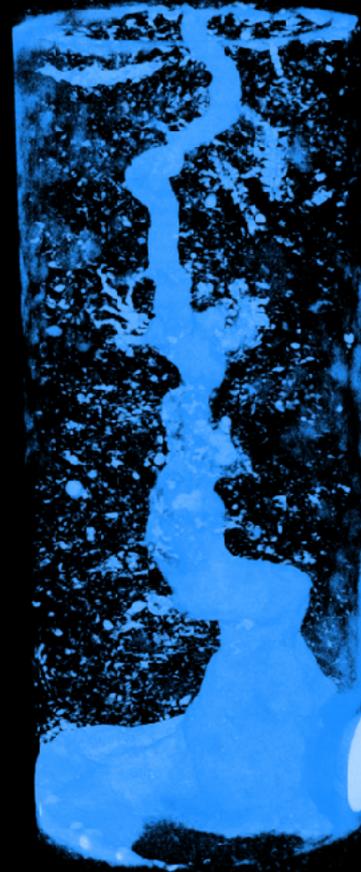
HS8.1.4 - D361



Wormhole geometry

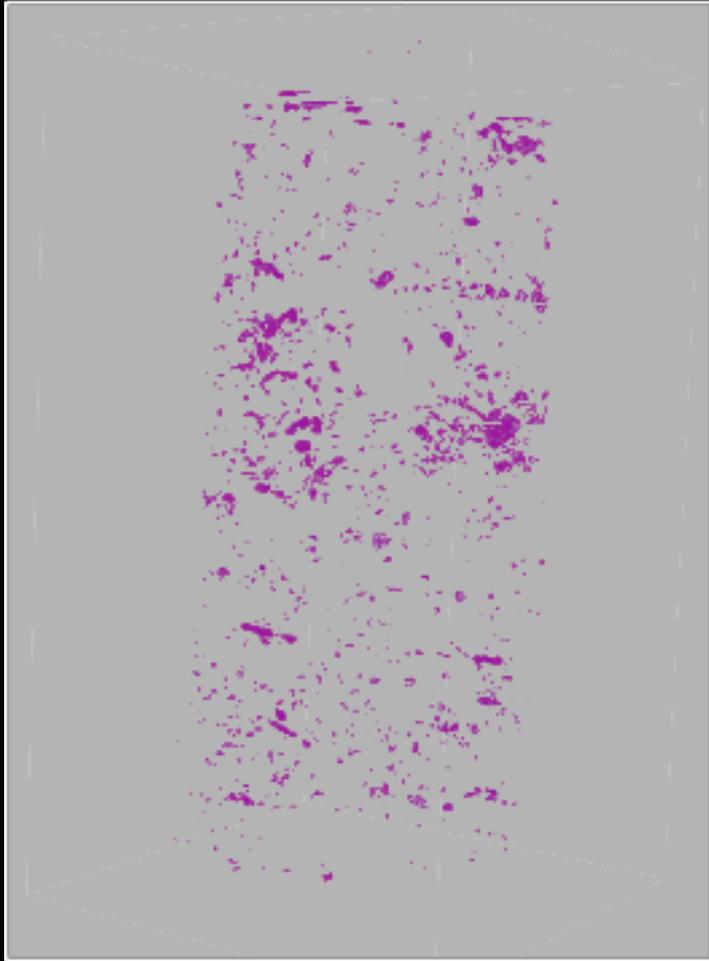


Dominant



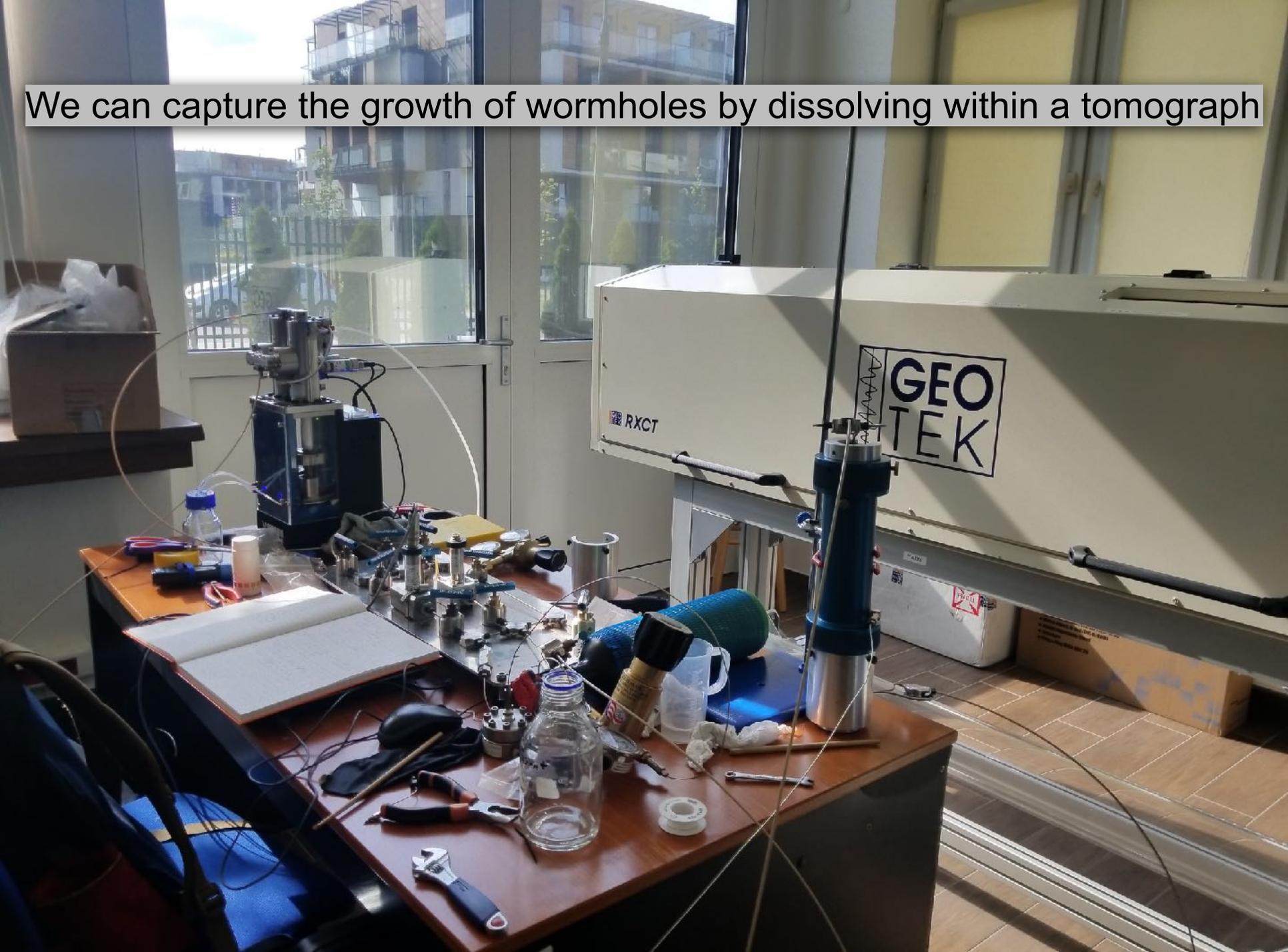
Conical

Wormhole growth

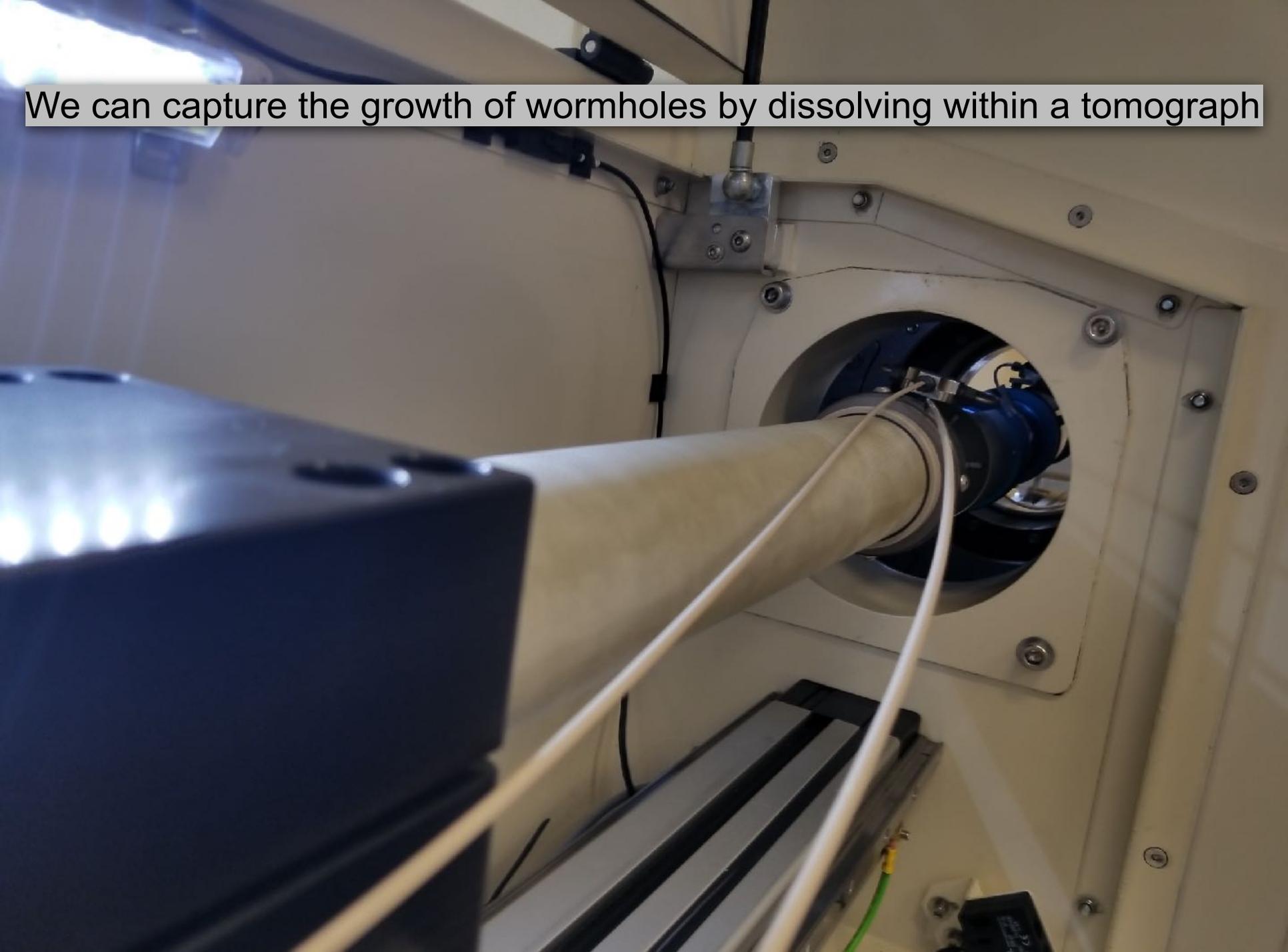


We can capture initial pore space and final geometry with tomography of a core, but what about intermediate geometry?

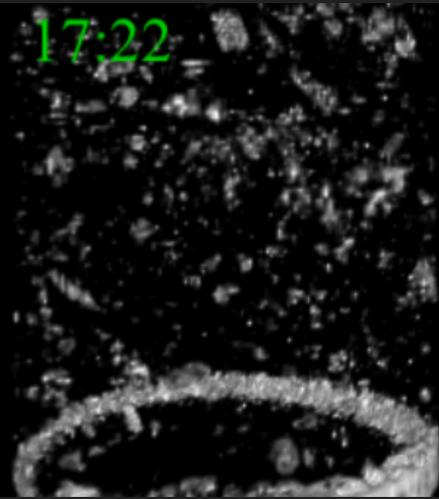
We can capture the growth of wormholes by dissolving within a tomograph



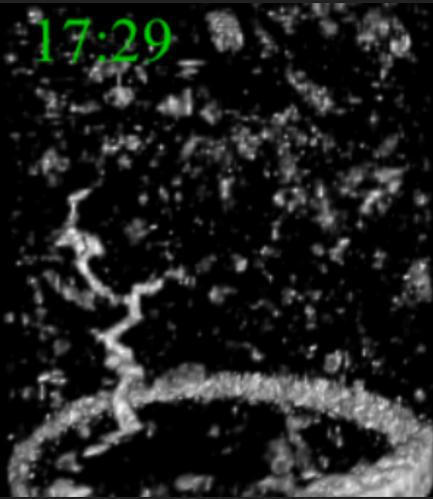
We can capture the growth of wormholes by dissolving within a tomograph



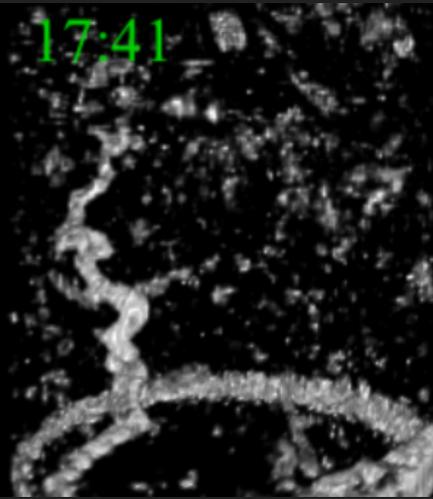
17:22



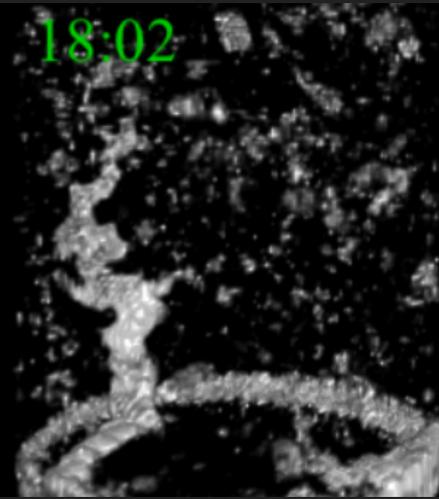
17:29



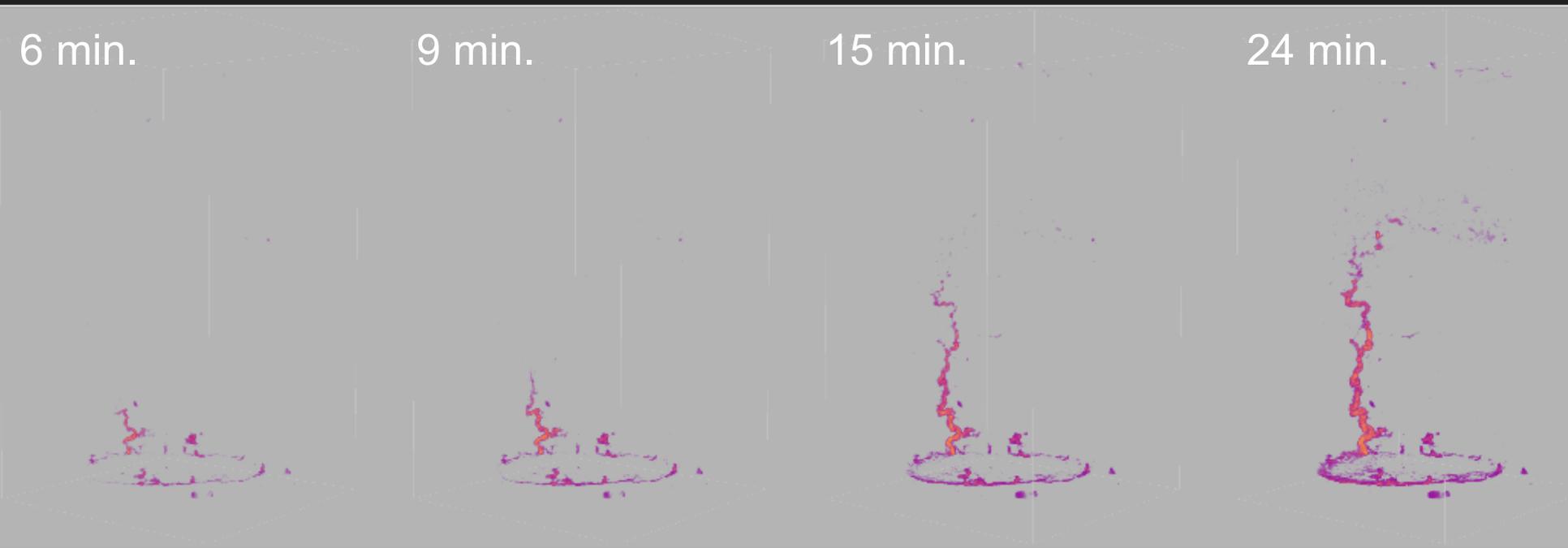
17:41



18:02



Conical



Dominant