

Supplementary material

Pedrosa et al., 2019

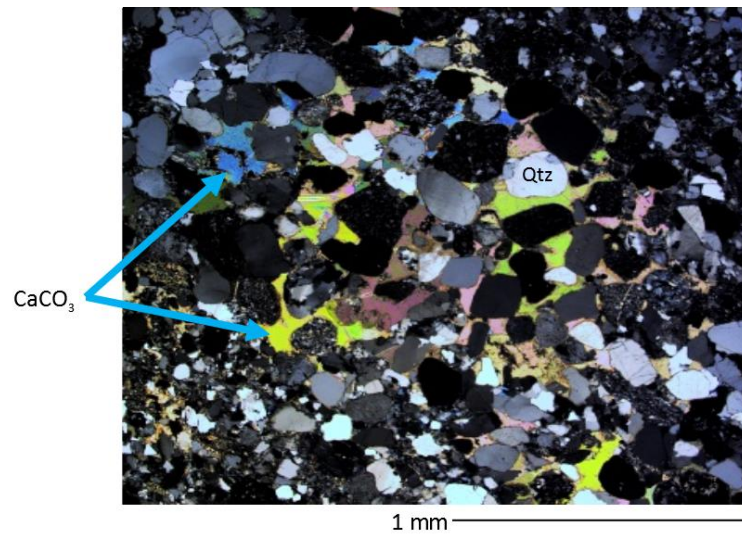


Figure S1 A thin-section of the Rotliegend sandstone under double-polarized light showing the poikilitic calcite cement (single crystals inter-grown between the sandstone's grains).

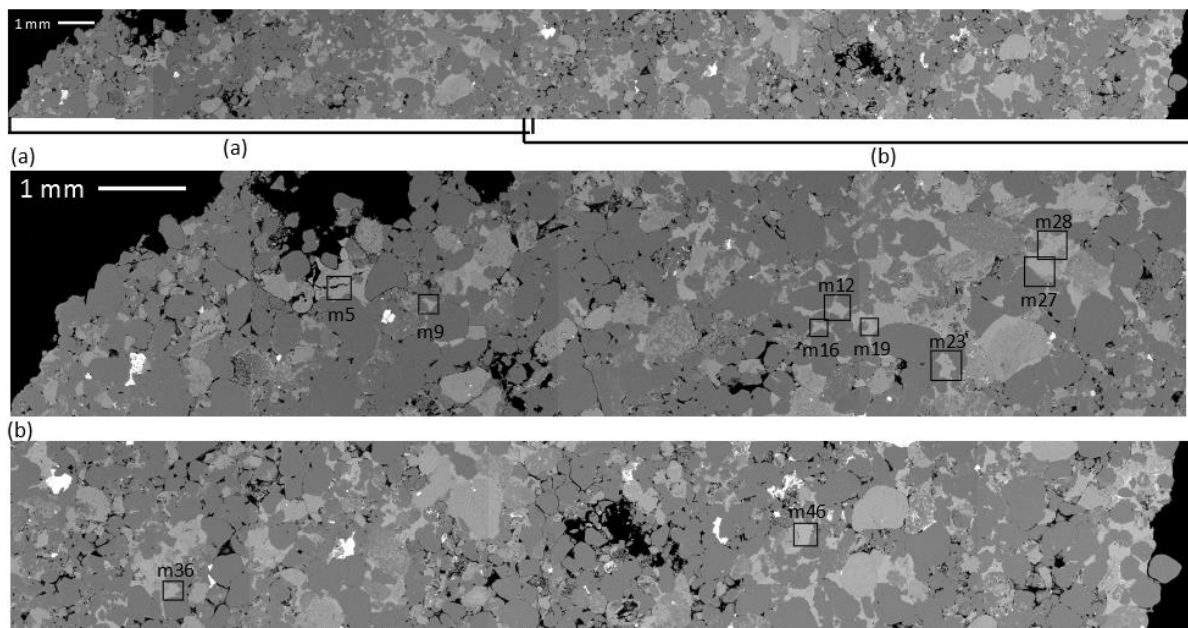


Figure S2 BSE image of the sandstone sample and position of the investigated cement patches.

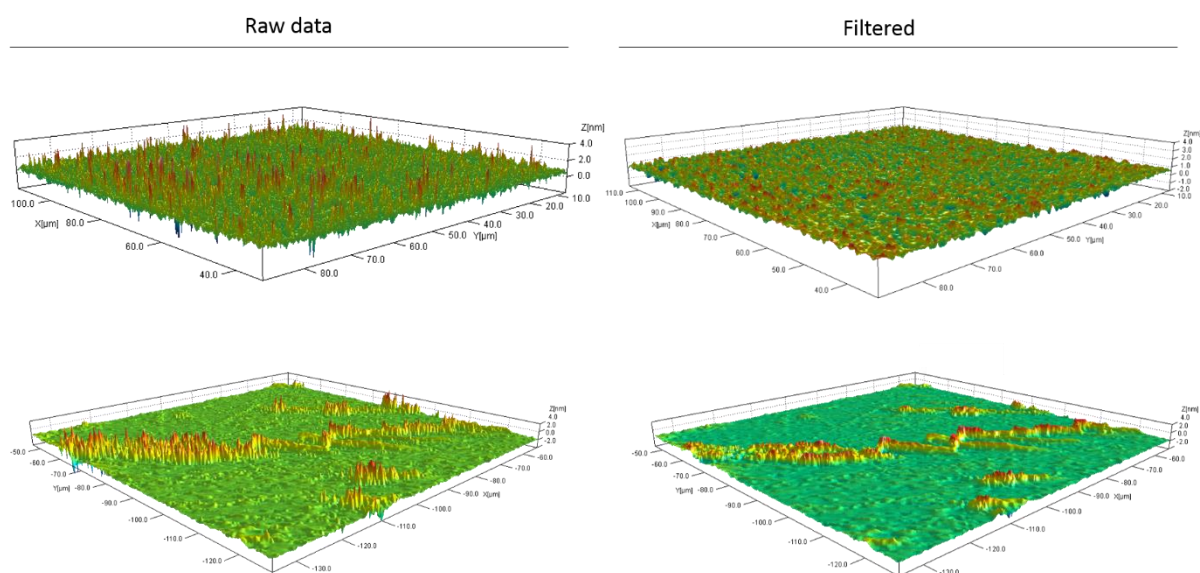


Figure S3 Comparison between unfiltered and filtered data (large spikes and median 7×7).

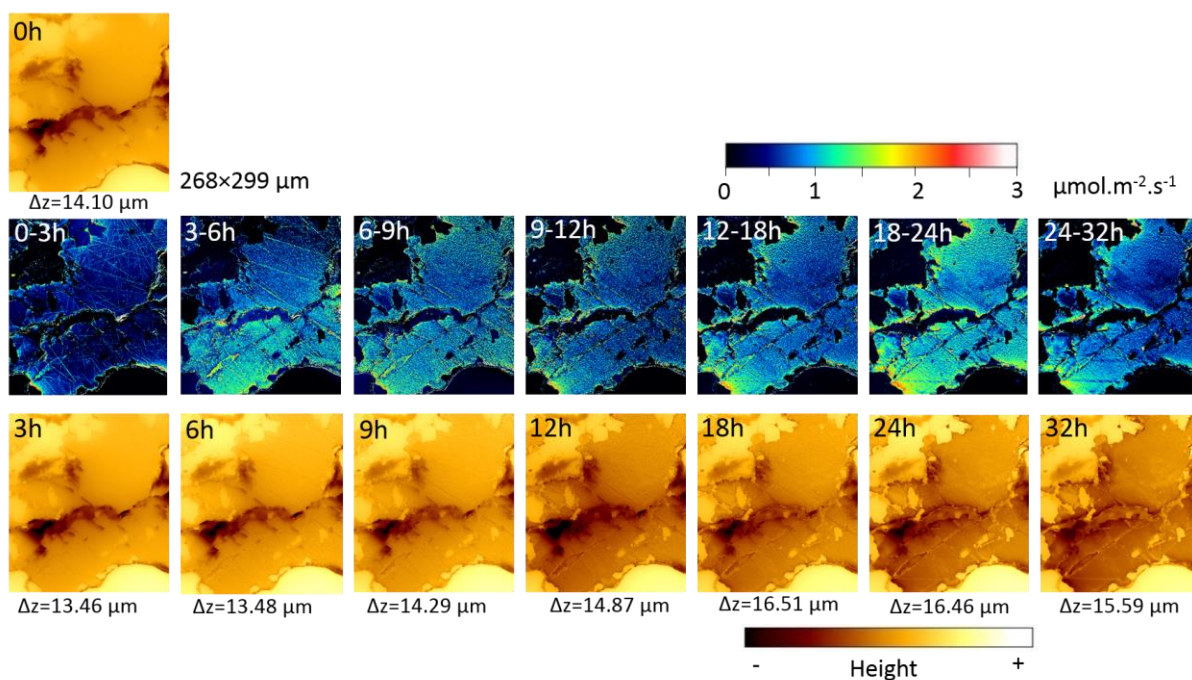


Figure S4 Surface topography and rate maps of cement patch m5.

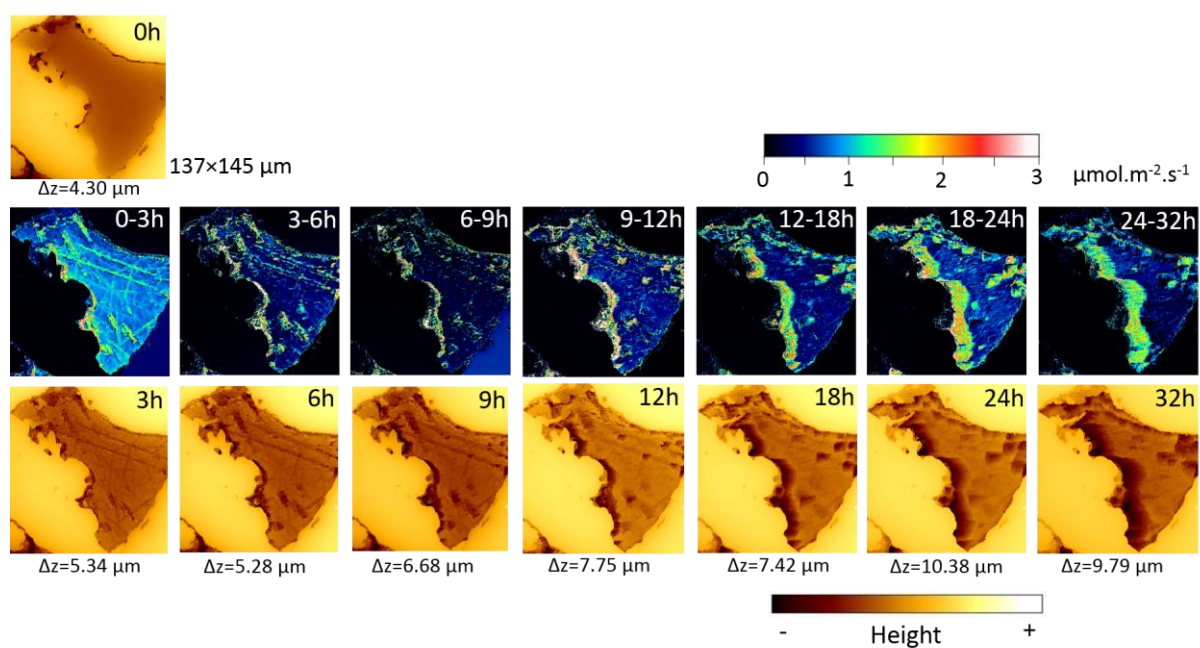


Figure S5 Surface topography and rate maps of cement patch m9.

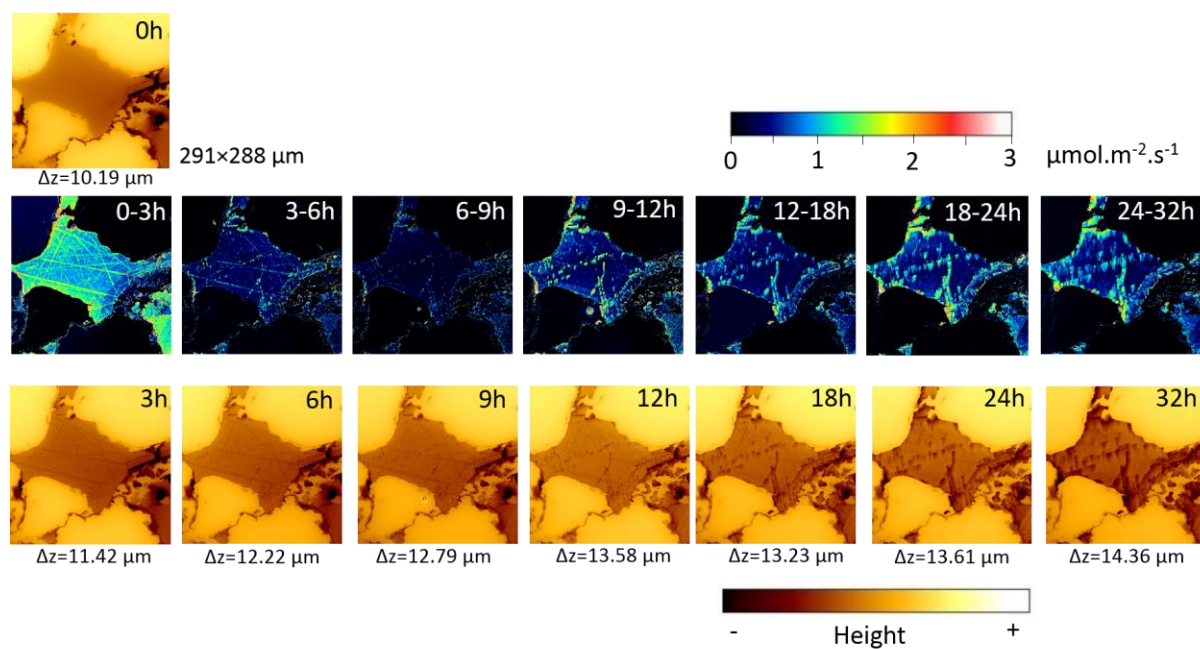


Figure S6 Surface topography and rate maps of cement patch m12.

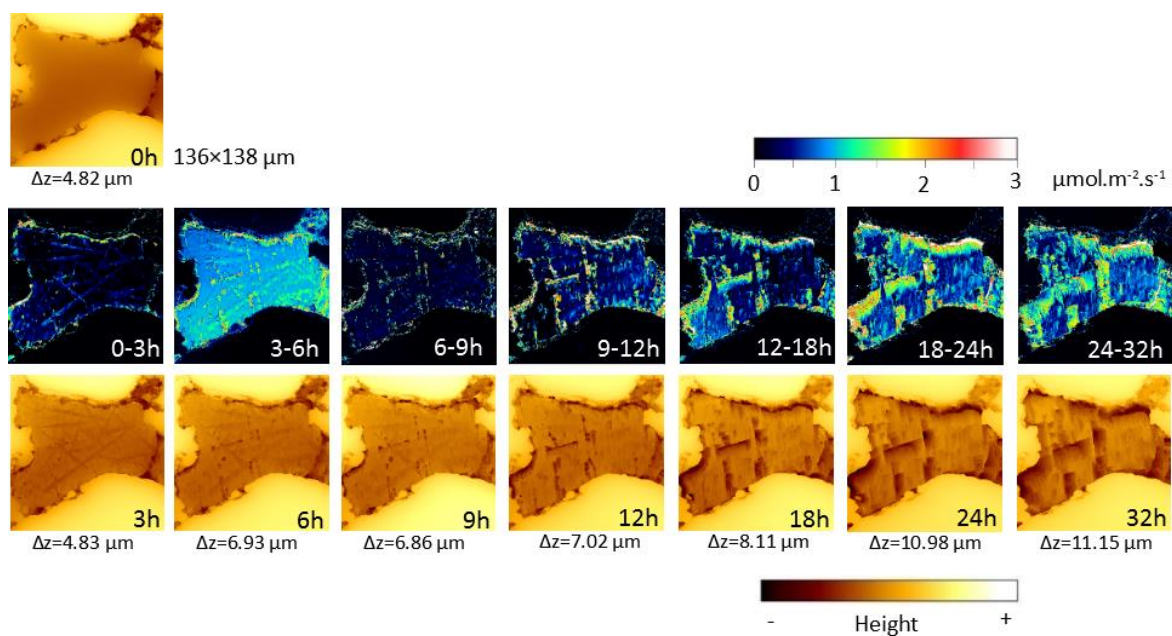


Figure S7 Surface topography and rate maps of cement patch m16.

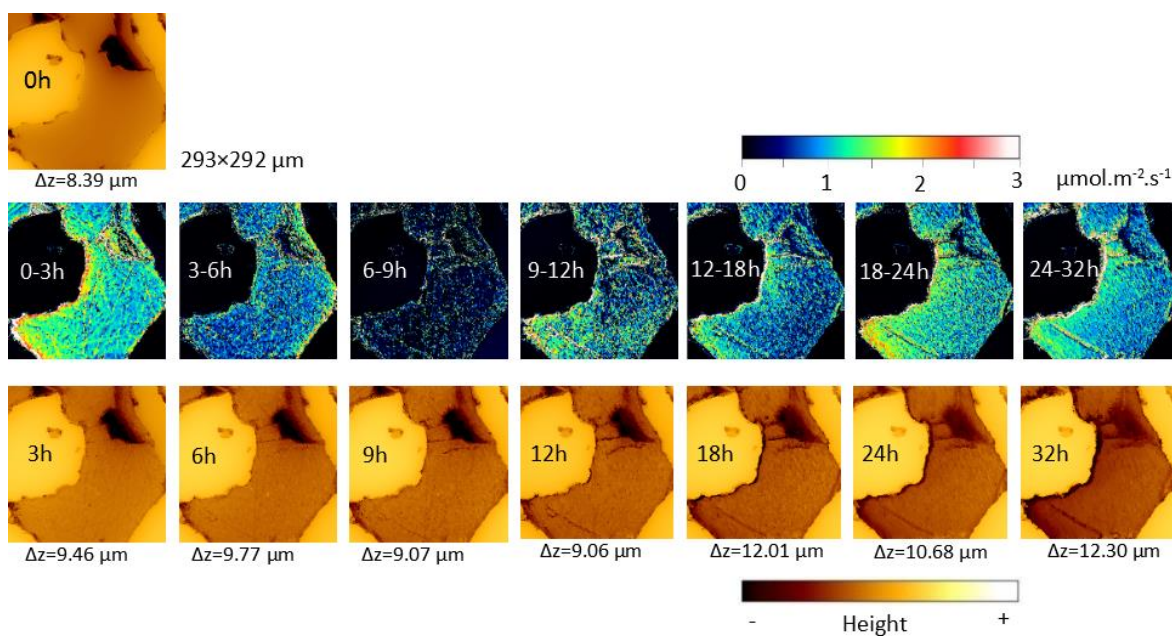


Figure S8 Surface topography and rate maps of cement patch m19.

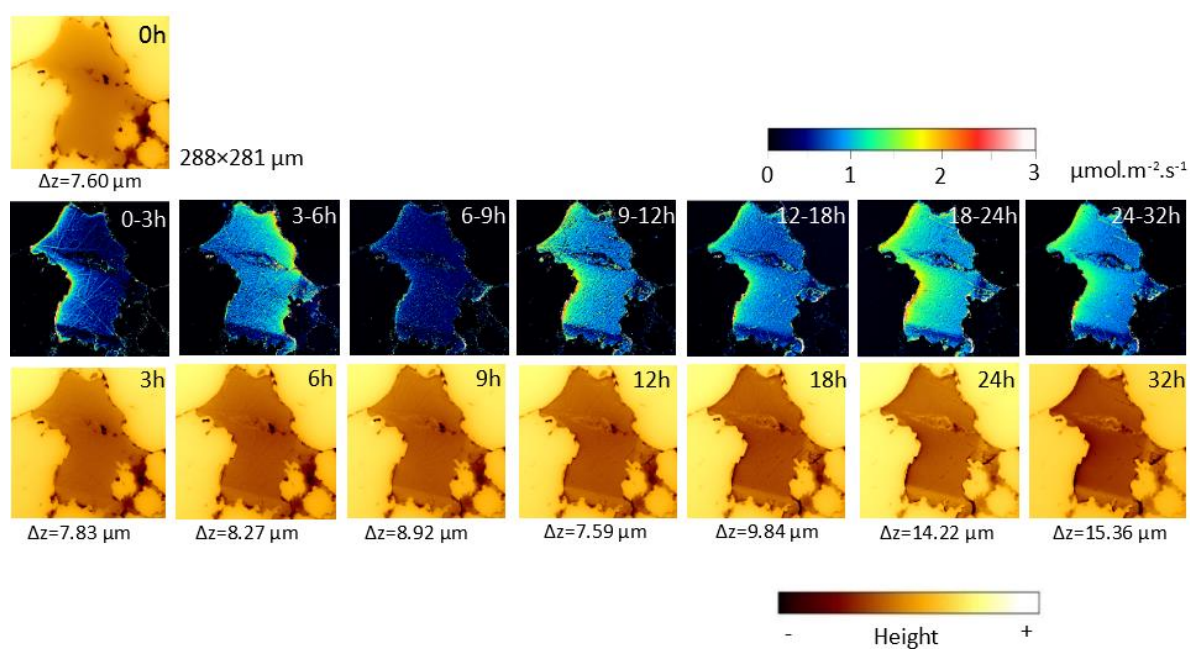


Figure S9 Surface topography and rate maps of calcite cement patch m23.

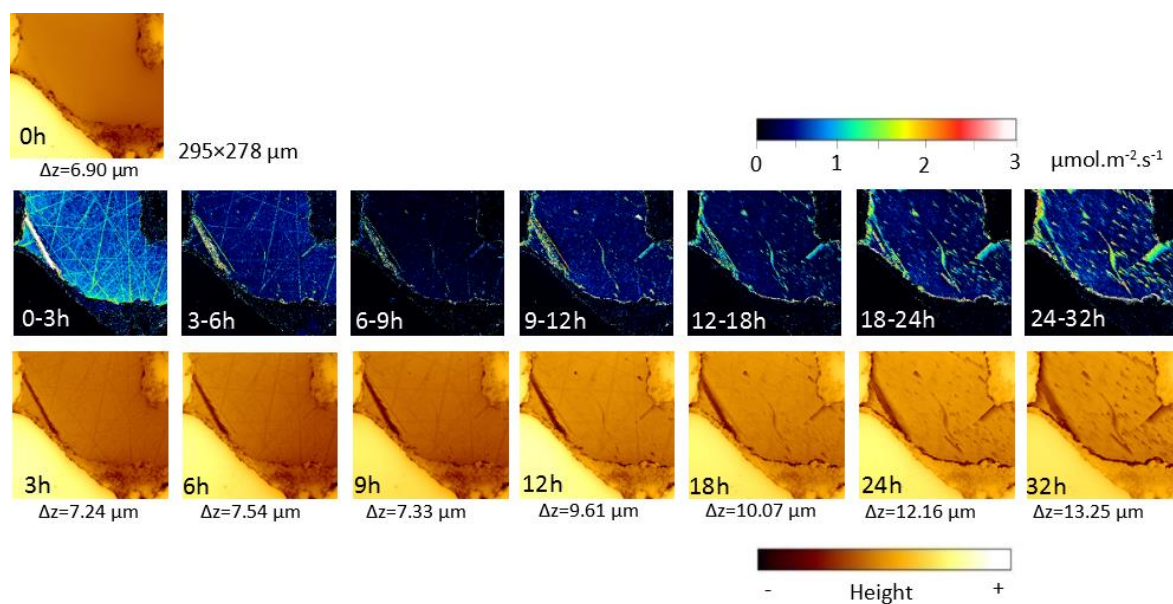


Figure S10 Surface topography and rate maps of calcite cement patch m27

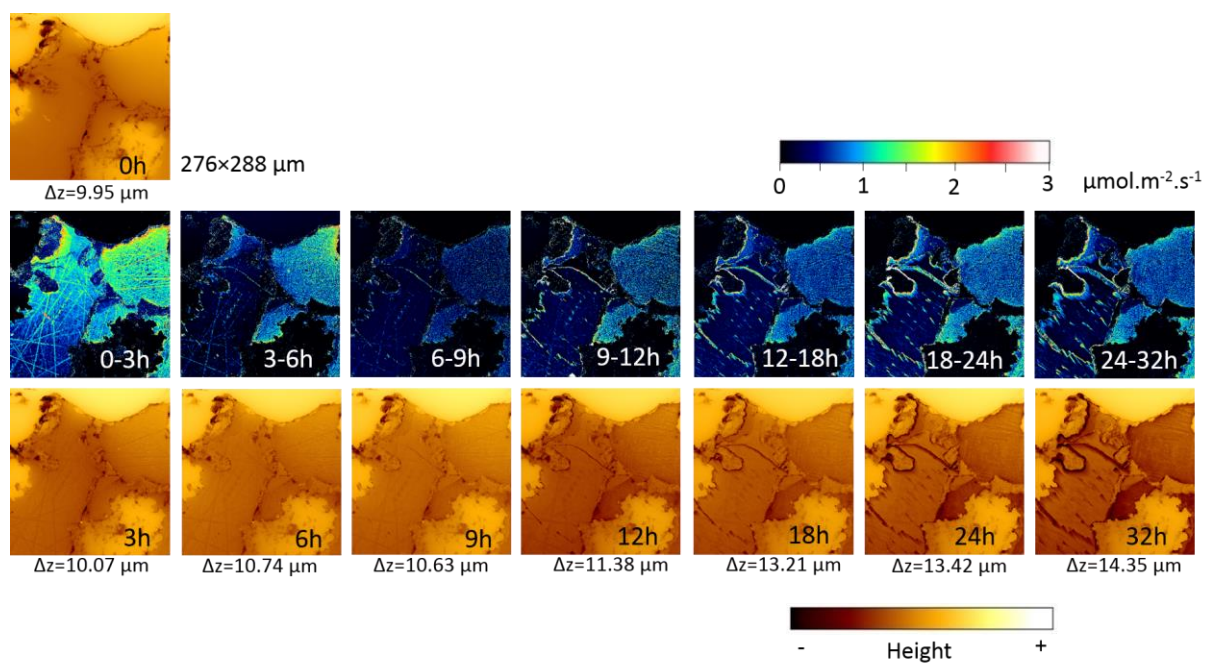


Figure S11 Surface topography and rate maps of calcite cement patch m28.

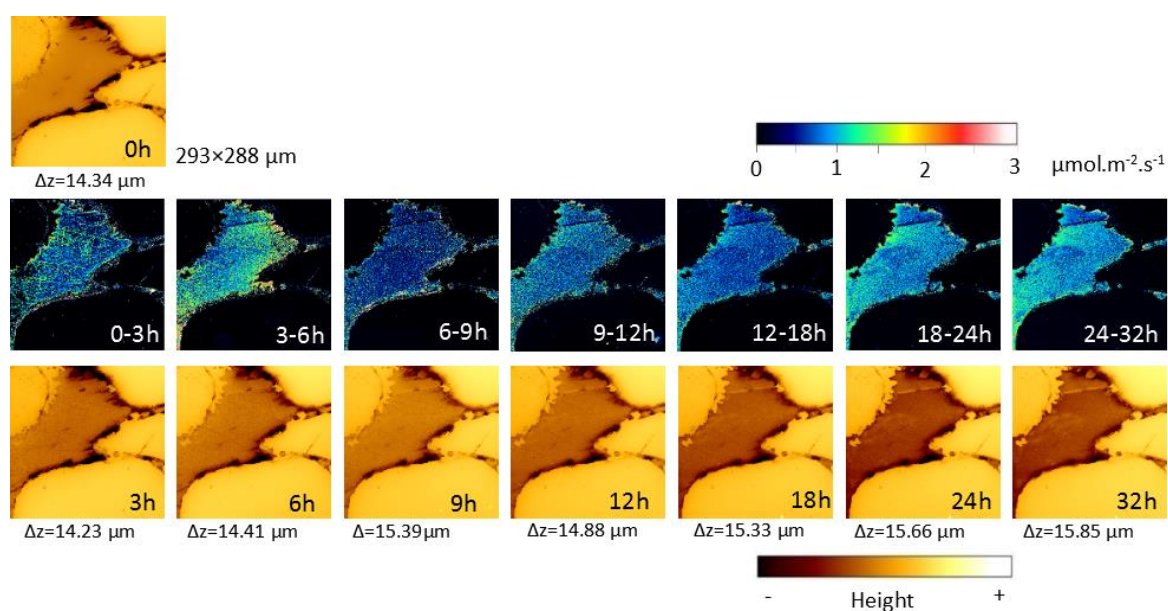


Figure S12 Surface topography and rate maps of calcite cement patch m36.

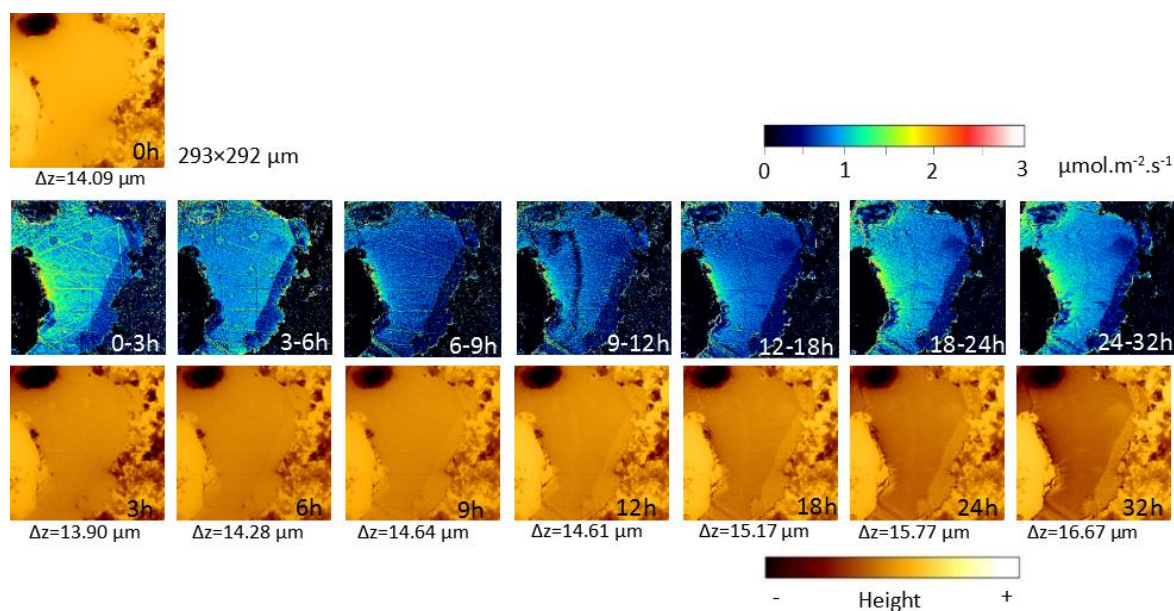


Figure S13 Surface topography and rate maps of calcite cement patch m46.

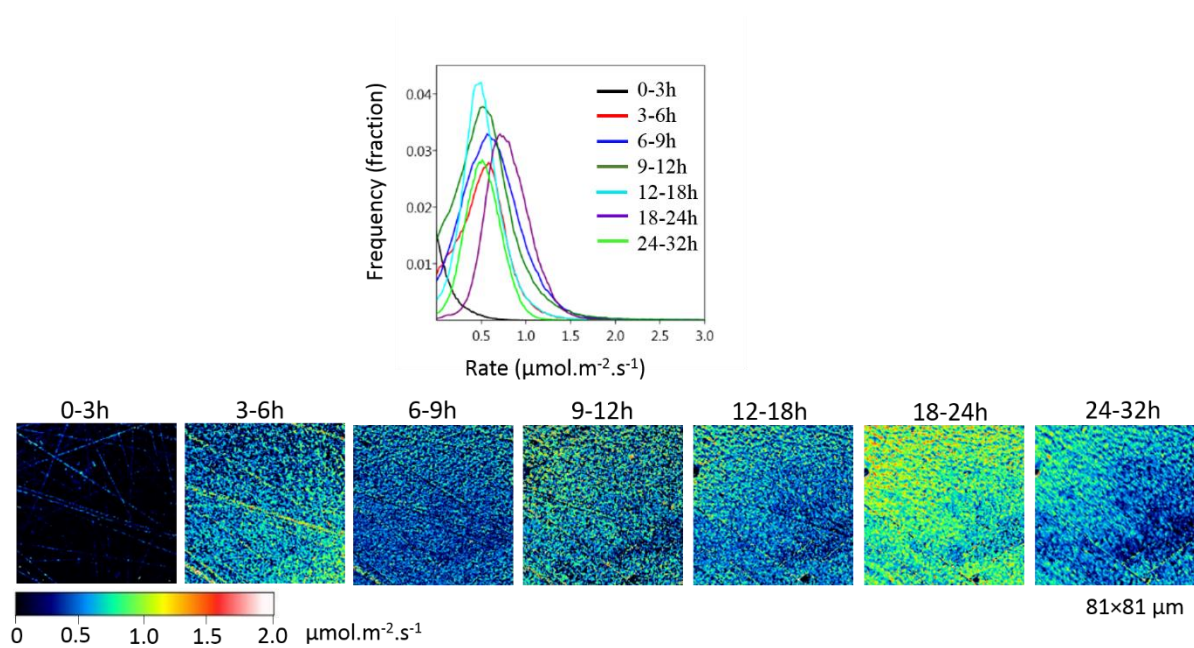


Figure S14 Rate map areas used for statistical analysis and respective rate spectra of patch m5.

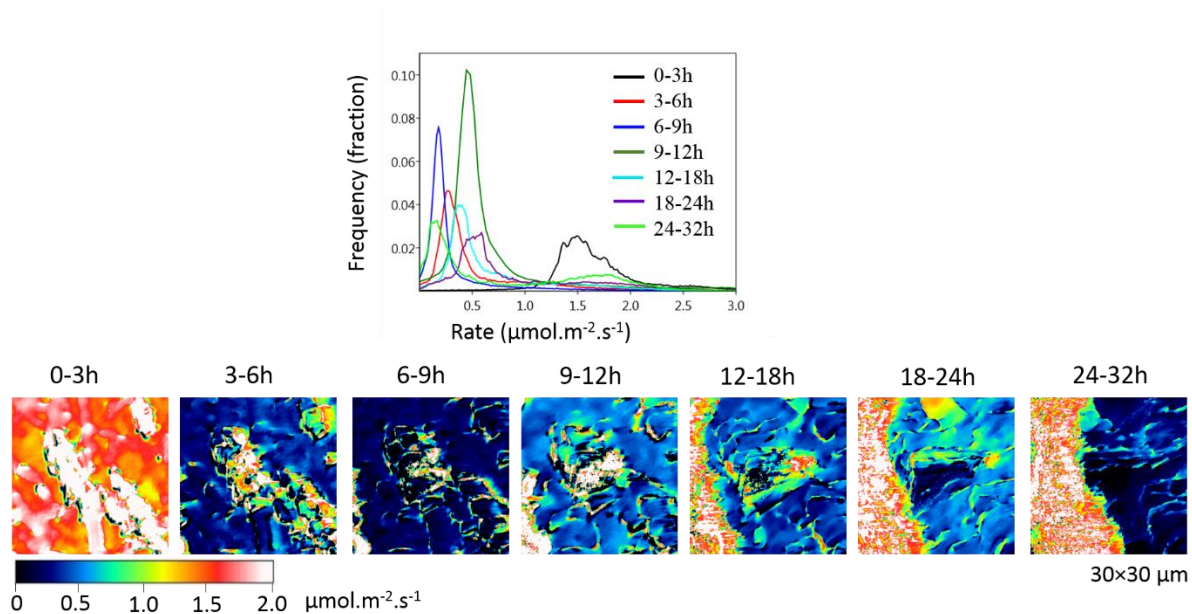


Figure S15 Rate map areas used to determine the highest frequency rates and respective rate spectra of m9-1.

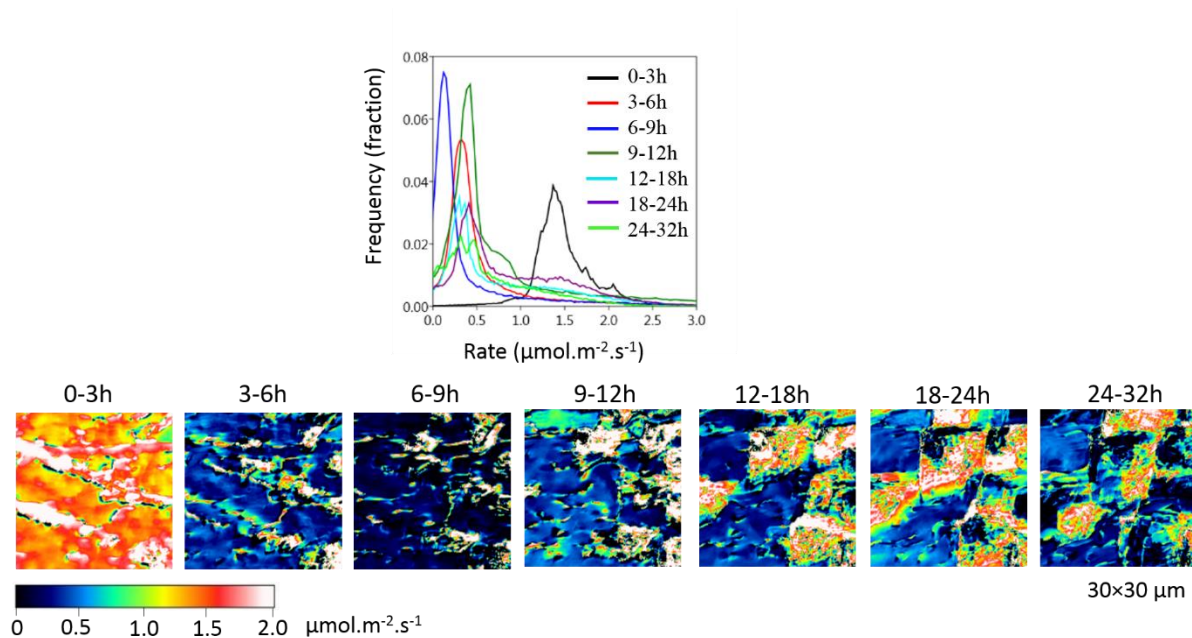


Figure S16 Rate map areas used to determine the highest frequency rates and respective rate spectra of m9-2.

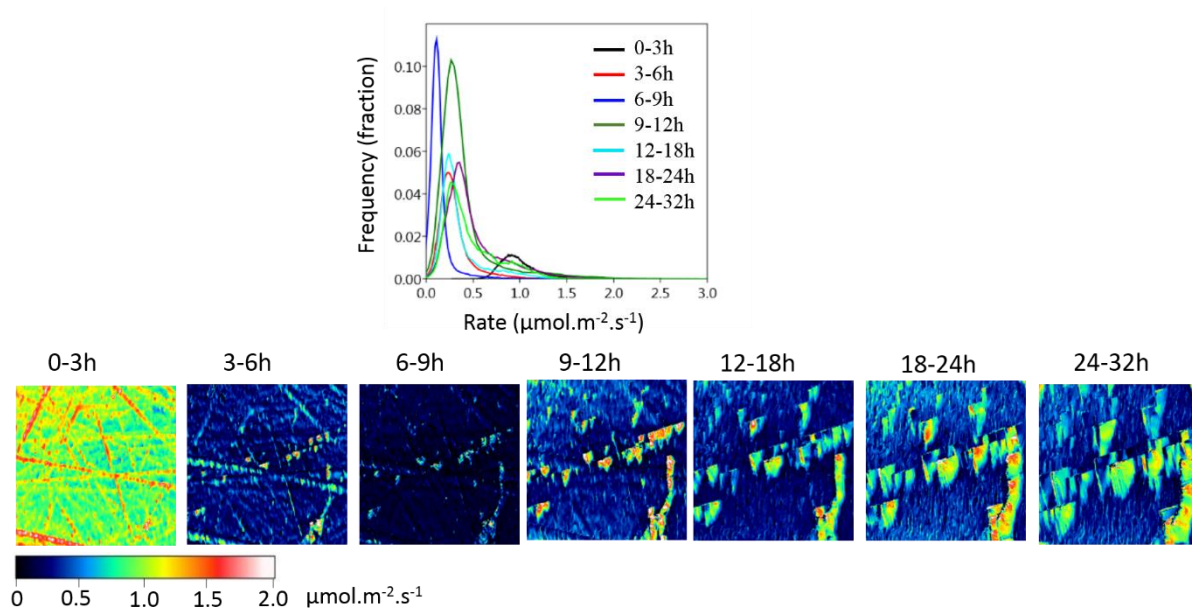


Figure S17 Rate map areas used to determine the highest frequency rates and respective rate spectra of m12.

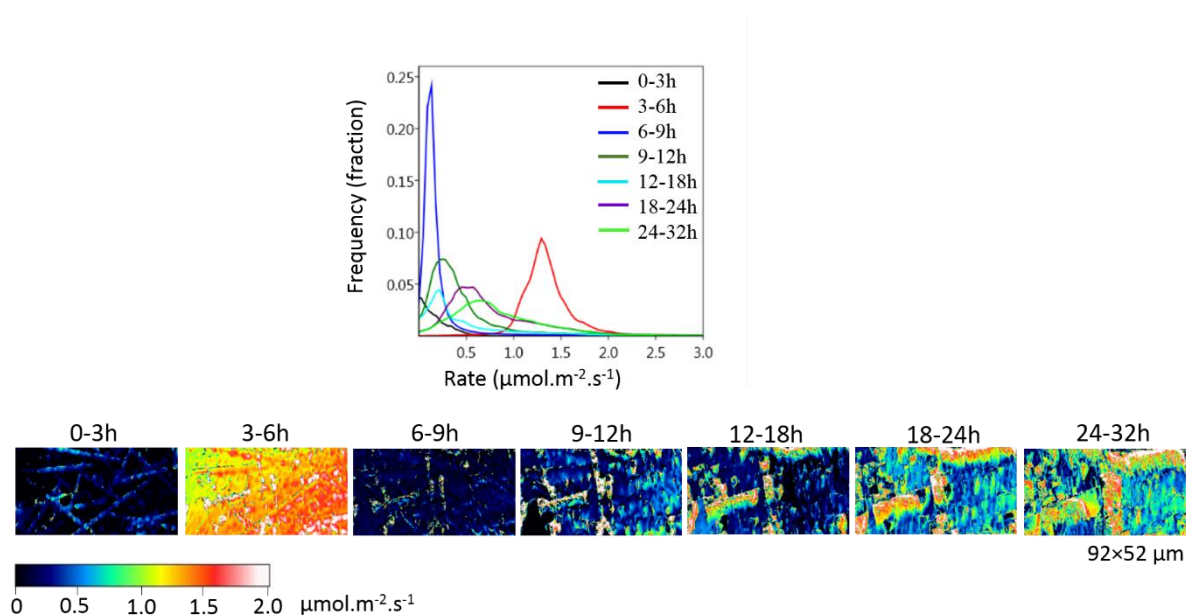


Figure S18 Rate map areas used to determine the highest frequency rates and respective rate spectra of m16.

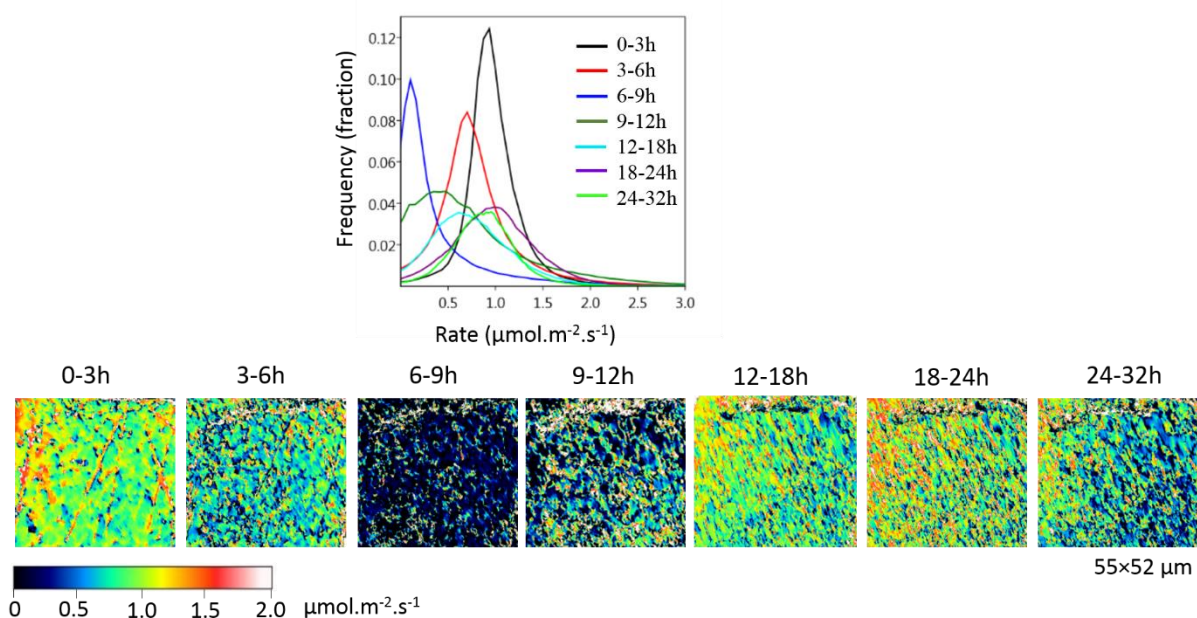


Figure S19 Rate map areas used to determine the highest frequency rates and respective rate spectra of m19.

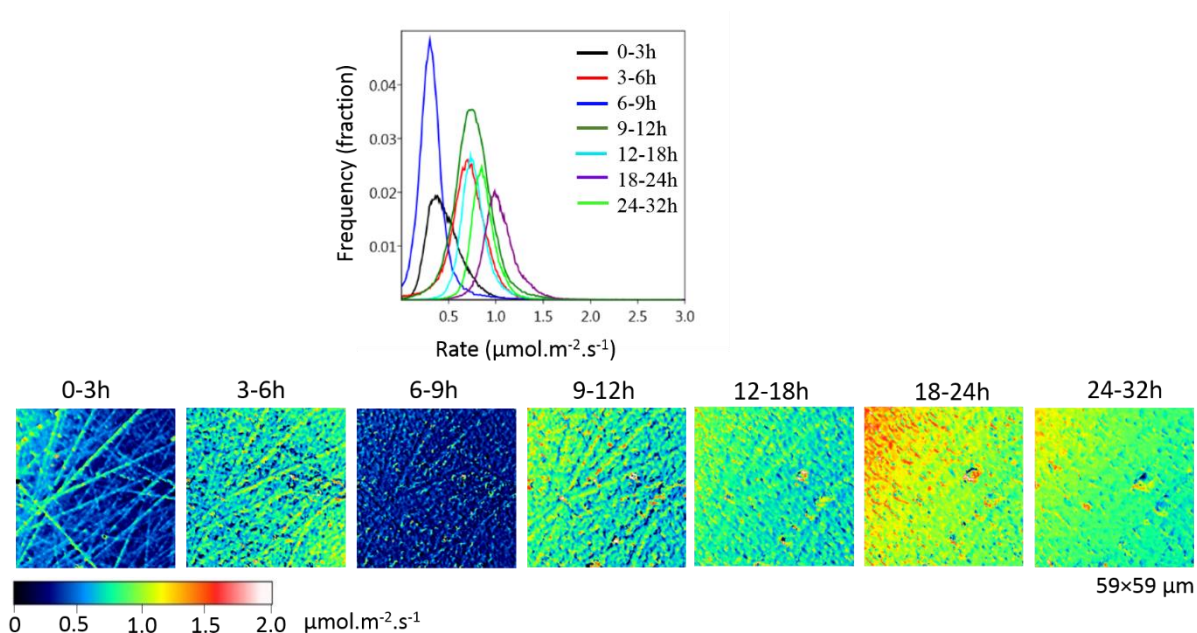


Figure S20 Rate map areas used to determine the highest frequency rates and respective rate spectra of m23.

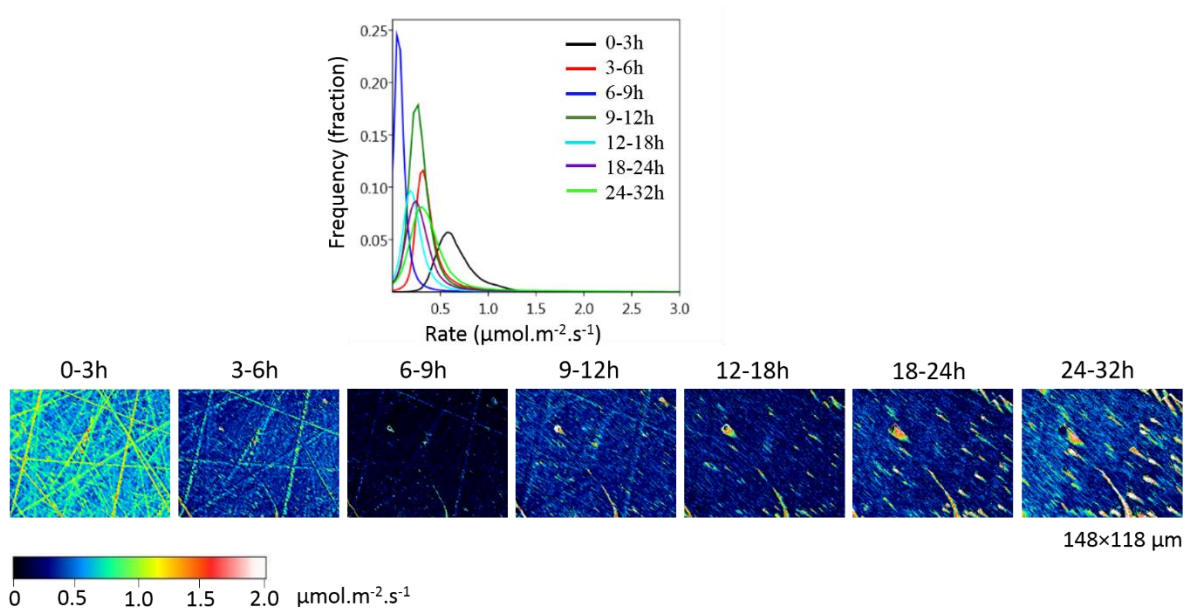


Figure S21 Rate map areas used to determine the highest frequency rates and respective rate spectra of m27.

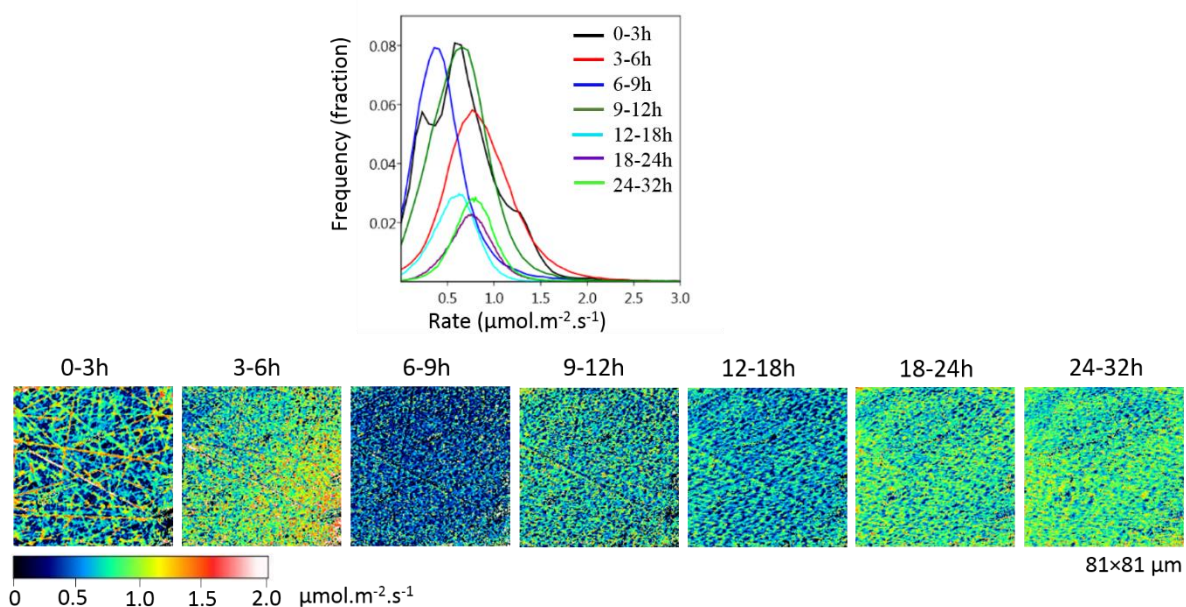


Figure S22 Rate map areas used to determine the highest frequency rates and respective rate spectra of m36.

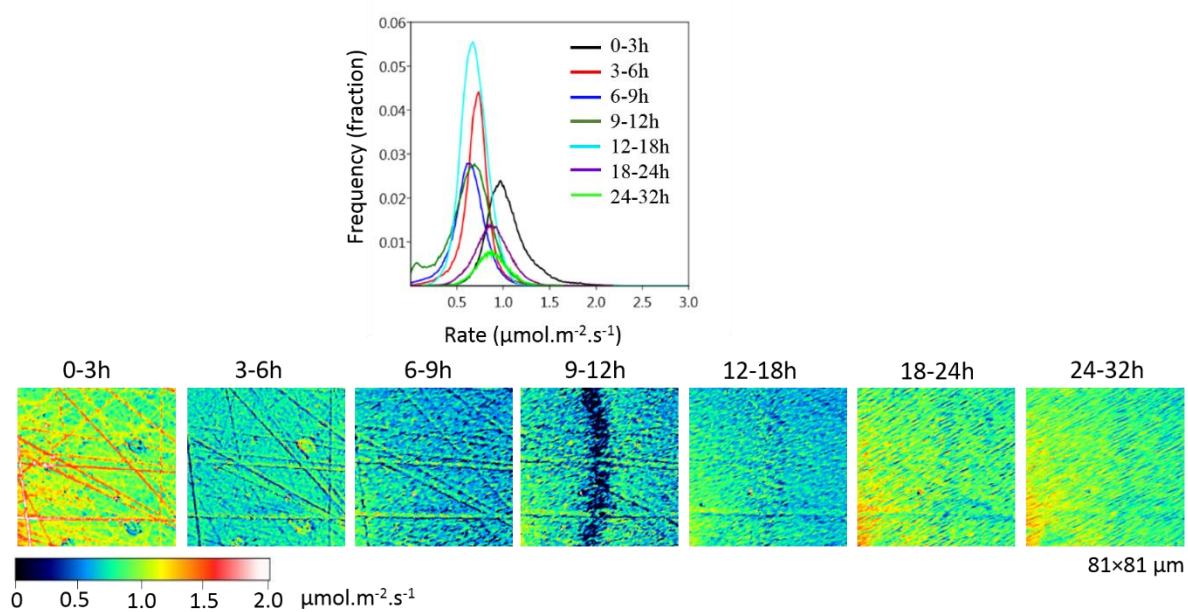


Figure S23 Rate map areas used to determine the highest frequency rates and respective rate spectra of m46.