

Supplementary Materials:

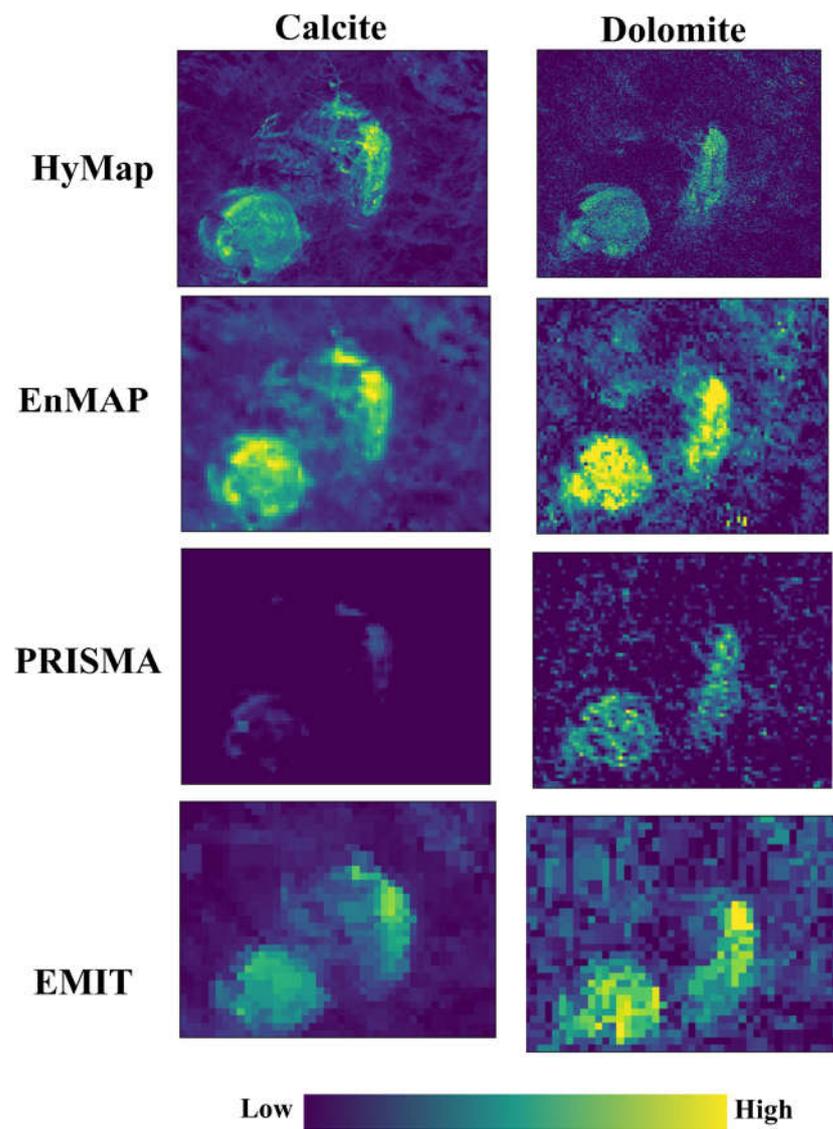


Figure S1. Spectral index analysis results for calcite and dolomite in Marinkas-Quellen. The calcite scale ranges from 1 to 1.8 and that of dolomite from 2 to 2.5.

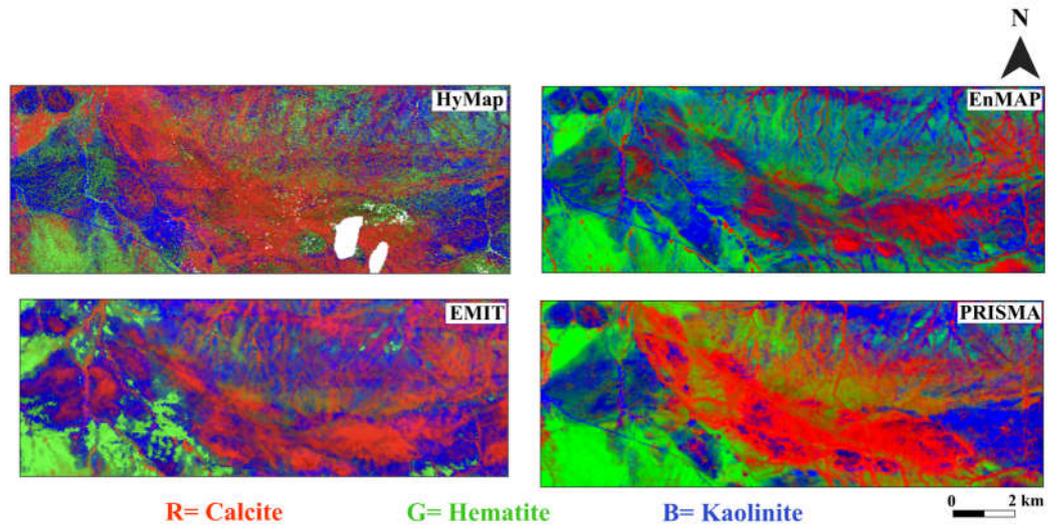


Figure S2. False colour ternary composite showing spectral abundance results for the Epembe site across all the sensors. The calcite rich (representing the carbonatite dyke) endmember abundance is represented in the red channel, the hematite-rich endmember in the green channel and the kaolinite-rich endmember in the blue channel. The stretch here scales from 0 to 1.