

Description of Additional Supplementary Files

File Name: Supplementary Data 1

Description: Database of clinopyroxene crystals analysed per eruption using LA-ICPMS maps or transects. For each crystal, the table includes analytical conditions, crystal size, occurrence as single crystal or glomerocryst, presence of Cr-rich cores, mantles and rims, their thickness and their distance to the crystal rim, as well as growth timescales.

File Name: Supplementary Data 2

Description: Database of in-situ FE-SEM-EDS spot analyses on clinopyroxene. For each analysis, the table includes information on the crystal zone analysed (core, Cr-rich rim, Cr-poor outermost rim or groundmass microcryst) as well as the calculation of the structural formula and the thermobarometry results.