



Figure S2 Electron diffraction patterns and equivalent TEM images for amphibole-chlorite interface in sample ZA16-84 (a,b) and low angle grain boundary (LAGB) in chlorite (c). (a) Location of the analyzed areas. (b) Fast Fourier Transform (FFT) for (1) and (2) amphibole and (3) chlorite (coloured circles enlight diffraction points). Note the similarity in the FFT patterns between phases called Amph I and Amph II. (c) Zoomed view of LAGB from Fig. 11d (left), Fig. 9j (middle) and FFT of red area (right) showing two different packets of chlorite.