Dear editors and referees,

There are six cif files in the submitted cif compassed folder, including two group of original X-ray powder diffraction data of two samples ALBITE and PERTHITE and four cif files (two group of data from two models for refining albite phase in ALBITE sample: Albite and Albite-n; other two group of data from albite phase and microcline phase in PERTHITE sample: PERTHTIE-a and PERTHITE-m).

The diffraction data were not from a sing crystal diffraction of alkali feldspar, so the authors did not deposit them in CCDC database.