Single Crystal Structure Refinement of One- and Two-layer Hydrate of Sodium-Fluorohectorite

Hussein Kalo,a Wolfgang Miliusa and Josef Breua*

†Lehrstuhl für Anorganische Chemie I, Universität Bayreuth, D-95440 Bayreuth, Germany

Supporting Information:

Fig. S1 Reciprocal lattice space of 1WL (A1, B1, C1) and 2WL (A2, B2, C2) hydrate. The images of \( h00, 0kl \) and \( 1kl \), planes where created using the X-area software from STOE.
**Fig. S2** Reciprocal lattice space of 1WL (D1, E1) and 2WL (D2, E2) hydrate. The images of $2kl$ and $3kl$ planes were created using the X-area software from STOE.
Fig. S3 Fo-map of 1WL of Na-heet projected along a. Prominent electron density peaks are labelled
**Fig. S4** Fo-map of 2WL of Na-hect projected along a. Prominent electron density peaks are labelled.
Fig. S5 Fo-map of the ab-plane at $z = 7.5\text{Å}$ of 2WL of Na-hect. Note the equal electron density at m1 and m2 sites.

Fig. S6 CPK representation of the interlayer space underlining the densely packed arrangement of interlayer water.