

Architecture and the importance of the building envelope



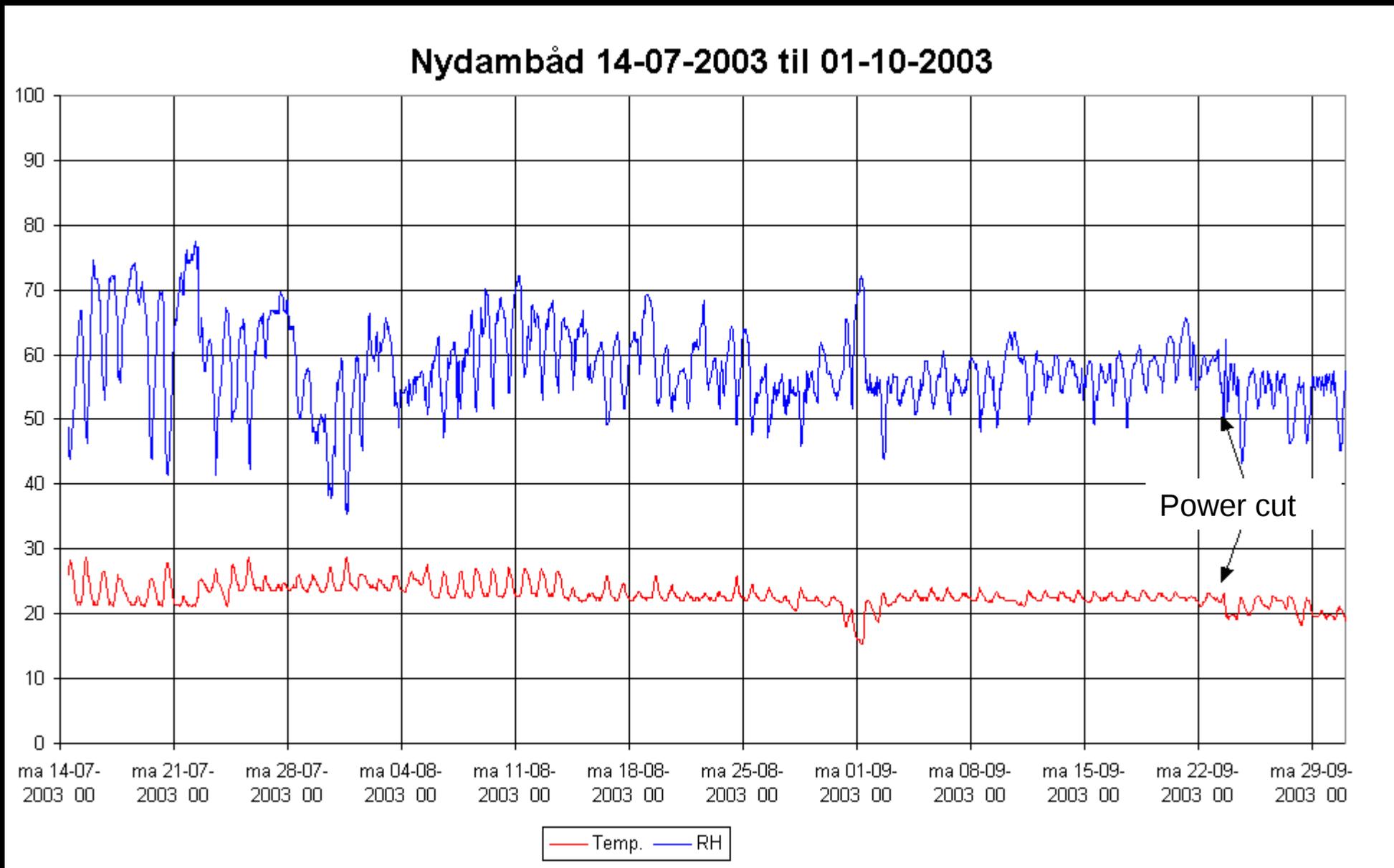
The Nydam boat exhibited in a temporary shelter designed as a balloon





The pressurized structure was leaking air though the doors and floor

12 weeks of climate record shows the unstable climate by HVAC



...until a 6 hour power failure, where the balloon was held up by wires



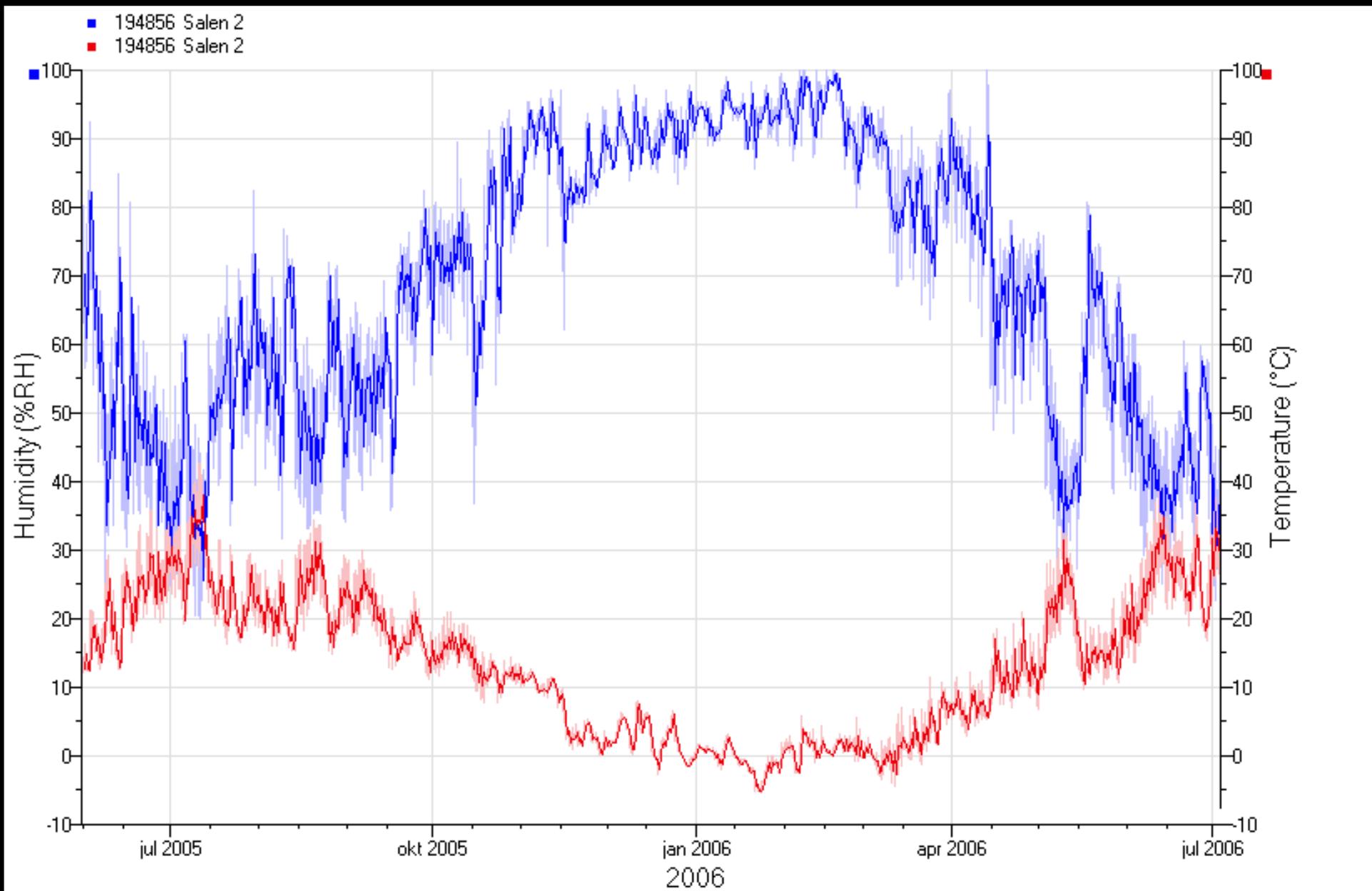
A submarine transformed into an exhibition building





Interior of the submarine with kitchen, bath and original wall decoration

One year of climate record shows the natural unstable climate



Many recent museum buildings are designed like submarines.





The steel framework forming the curved shapes of the building

Airplane architecture. A hangar at the Duxford Airfield

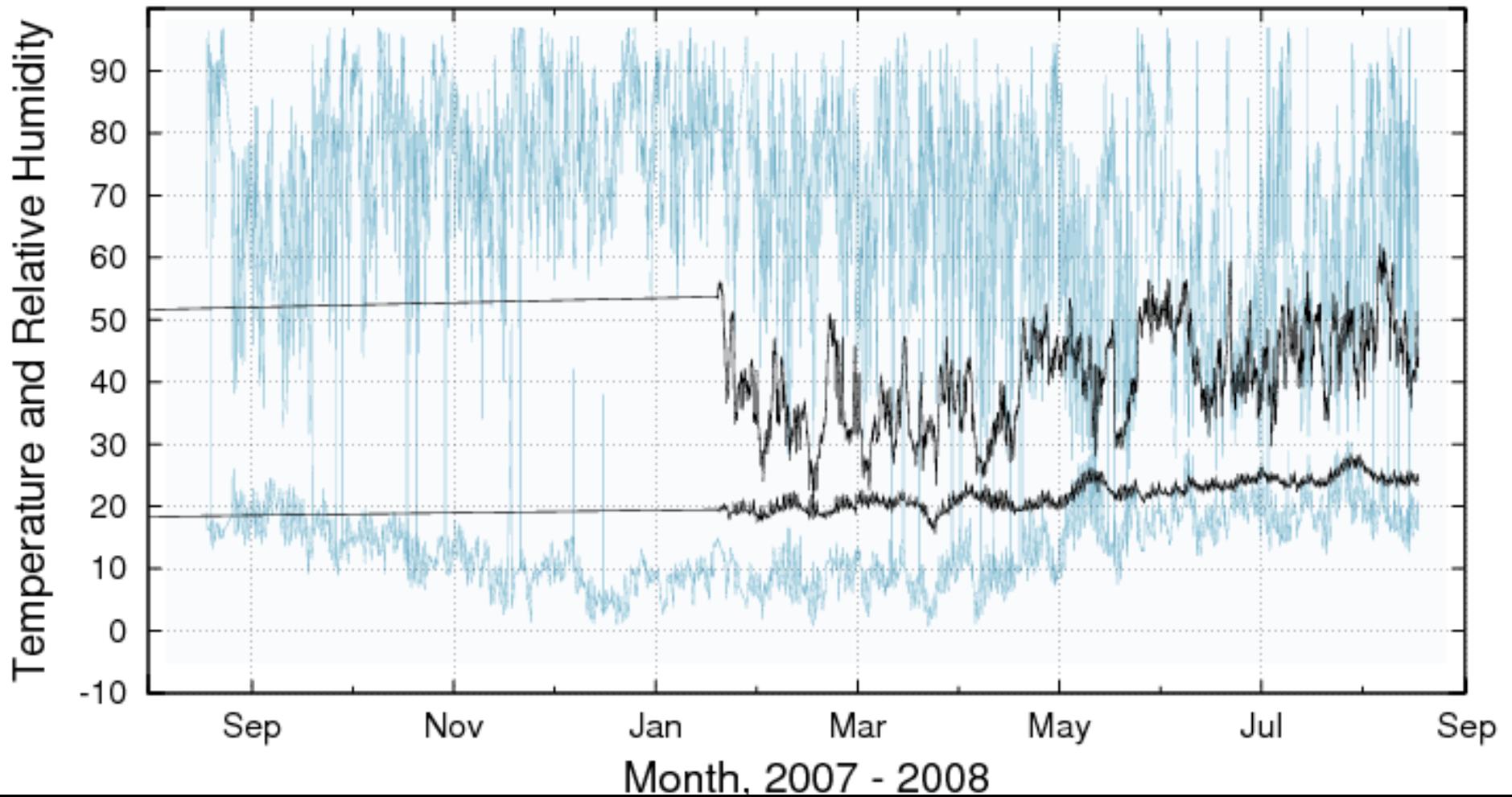


A solid concrete dome with a south facing glass facade



The hangar is heated in winter, but the RH is not controlled.

IWM - dx-aam.csv



The daylight is disturbing the appearance of the airplanes



The museum of Rudolph Tegner, Denmark. A cold concrete structure



The interior is minimalistic. Only the skylights illuminate the objects



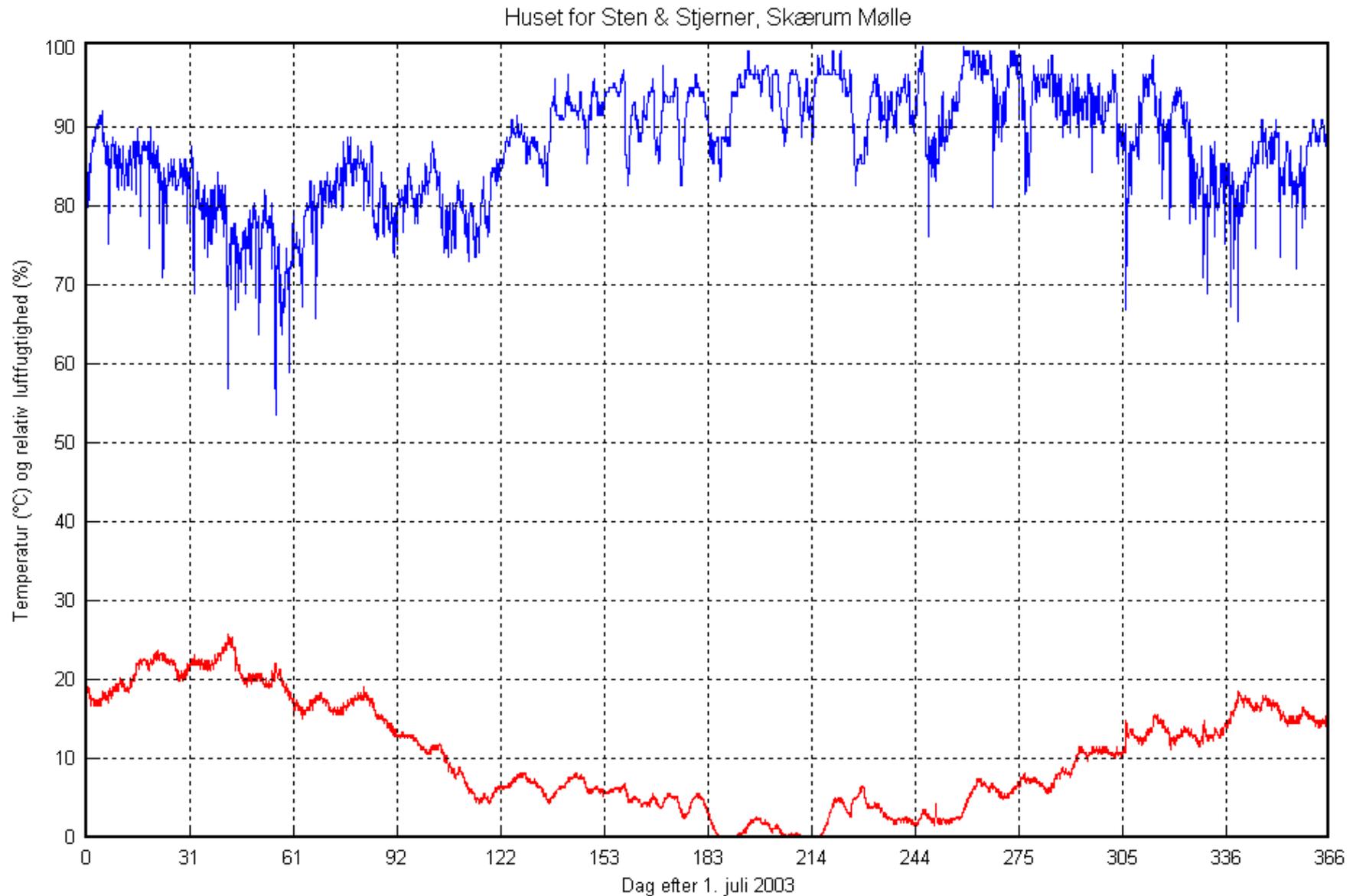
The museum has no heating or climate control. It is closed in winter.



”A house for rocks and stars” Solid masonry structure by Per Kirkeby



One year of climate record. The building is unheated. "Rocks don't freeze"





The white salt efflorescence shows where rainwater is leaking through.

The modernistic entrance of a gallery in a park in Copenhagen



The gallery is located in an old underground water reservoir.



The climate is very stable. 10 C and 100 % RH

