Extensive documentation of metadata from 150 years of weather station management in Norway is available. It was attempted to find a relationship between changes in siting quality and demonstrated breaks in the stations’ temperature time series. The breaks are likely caused by either change in sensor performance, change in siting exposure, or change in representativity. Most of the explainable breaks were however found to be from relocations. Examples are shown.

Apart from time series breaks, typical long term changes are from long term growth in the surrounding forest vegetation. Such change will likely cause a gradual increase in mean temperature. The change is only traceable as a time series break when the trees are removed.