

**MSc thesis topic:**

**Joint retrieval of water vapour and Ozone from colocated millimeterwave spectra above Spitsbergen.**

In this thesis spectra of H<sub>2</sub>O and Ozone, recorded by colocated instruments will be jointly evaluated. This will allow to study the influence of H<sub>2</sub>O on Ozone in the upper stratosphere and lower mesosphere.

The MSc thesis will consist of a programming part (modifying existing retrieval software in matlab to perform the joint retrieval) and evaluating results with respect to an interdependency of H<sub>2</sub>O and O<sub>3</sub>.

Required skills:

- Computer and programming skills (matlab)

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