



## **Comparison of 3D-CTM PSC extinction to POAMIII observations**

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The BASCOE 3D-CTM is coupled to a detailed microphysical box model (by Niels Larsen, DMI) which interactively follows the creation and evolution of 4 types of PSC particles: STS, SAT, NAT and ice. Each type of particle is described by 36 size bins. Each bin is transported independently. The CTM is driven by ECMWF forecast winds. Model extinctions are obtained through Mie-scattering and T-matrix calculations. The model results are compared to the measurements of aerosol extinctions by POAMIII.