

A new surface station for long-term observations of climate-relevant properties of atmospheric aerosols at Gobabeb, in Namibia: first results and possible synergies

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We present a new long-term ground-based aerosol observation station located at the Gobabeb Namib Research Institute (23°33'40''S, 15°02'24''E) in the hyperarid Namib desert of Namibia. Since April 2022, in situ measurements of aerosol optical and physical properties provide with climate-relevant variables such as the aerosol single scattering albedo and the mass absorption, scattering and extinction efficiencies. Complemented by the AERONET column retrievals and BRSN surface radiation measurements, these measurements provide with a solid dataset for satellite and model validation. In this poster we discuss the first year of observations and specific case studies to stimulate interest and collaborations.

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