



Comparison of new firn sample results from Kohnen station with those from the 300 km apart firn sampling in Dronning Maud Land in 1998.

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New firn air samples for EPICA-DML were taken during the field season 2005/06 within a collaborative project between the Division of Climate and Environmental Physics of the University of Bern (CEP) and the Alfred Wegener Institute, Bremerhaven. These samples will be analyzed at CEP for multiple parameters using isotope mass spectrometry as well as combined CO₂ and O₂ analyzers. Results regarding a comparison between the different CO₂ and O₂ methods used in the laboratory will be presented and discussed. In addition a comparison with the field CO₂ determination will be shown. Influences of different site conditions will be discussed based a comparison between the new and the former, 300 km apart, firn sampling in Dronning Maud Land.