

Title: Ground-based remote sensing of aerosol and clouds at Ny-Alesund

Field leader: Masataka SHIOBARA

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Programme: Preliminary study for ground truth of EarthCARE products from the polar sites operated by NIPR

Principal Investigator: Masataka SHIOBARA

Proj. Period: 2013 - 2015

Institution: National Institute of Polar Research

Co-research Institution & Scientist (out of JPN): C. Ritter (AWI),
E. J. Welton (NASA/GSFC)

Field activity planned for 2013

Invest. Area: Ny-Alesund , Svalbard , Norway

Latitude and longitude: 78.9N, 11.9E

Field Period: January to December

Logistics: Ground-based measurements with Micro-pulse lidar, Sky-radiometer, and Sky-view camera

Description:

[purpose] In order to investigate optical properties and vertical structures of aerosol and clouds, long-term continuous measurements are performed with active/passive remote sensing instruments.

[outline] Micropulse lidar is placed at AWIPEV Station and operated by the on-site engineer. The MPL data are transferred to NIPR, and finally available at the MPLNET website operated by NASA/GSFC. Skyradiometer and skyviewcam are placed at NIPR Rabben Station and automatically operated. The data will be available from a website in NIPR.

Participants: M. Shiobara (NIPR), W. Markert (AWIPEV), M.K. Jansen (NPI)

Field activity of previous year

Invest. Area: Ny-Alesund , Svalbard , Norway

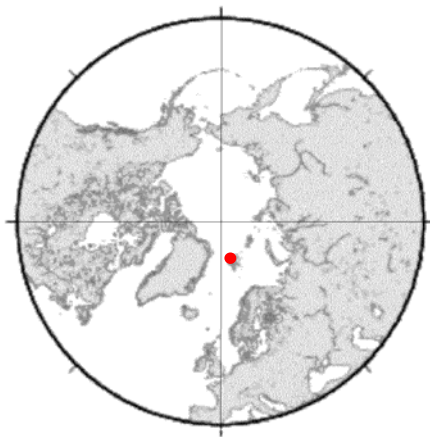
Field Period: January to December

Logistics: Same as this year

Description: Same as this year

Number of participants: 4

Area:



Note: