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**Activities in Ny-Ålesund  
conducted by the  
Department of Applied  
Environmental Science  
Stockholm University, Sweden**

# Visits to Ny-Ålesund

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- **Project: Monitoring of CO<sub>2</sub> and aerosol particles at the Zeppelin station**
- **Visitors: Birgitta Noone, Dan Partridge, Peter Tunved, Tabea Hennig, Zahra Hamzavi**
- **Ca. 46 man-days**

# Spring / Summer 2010

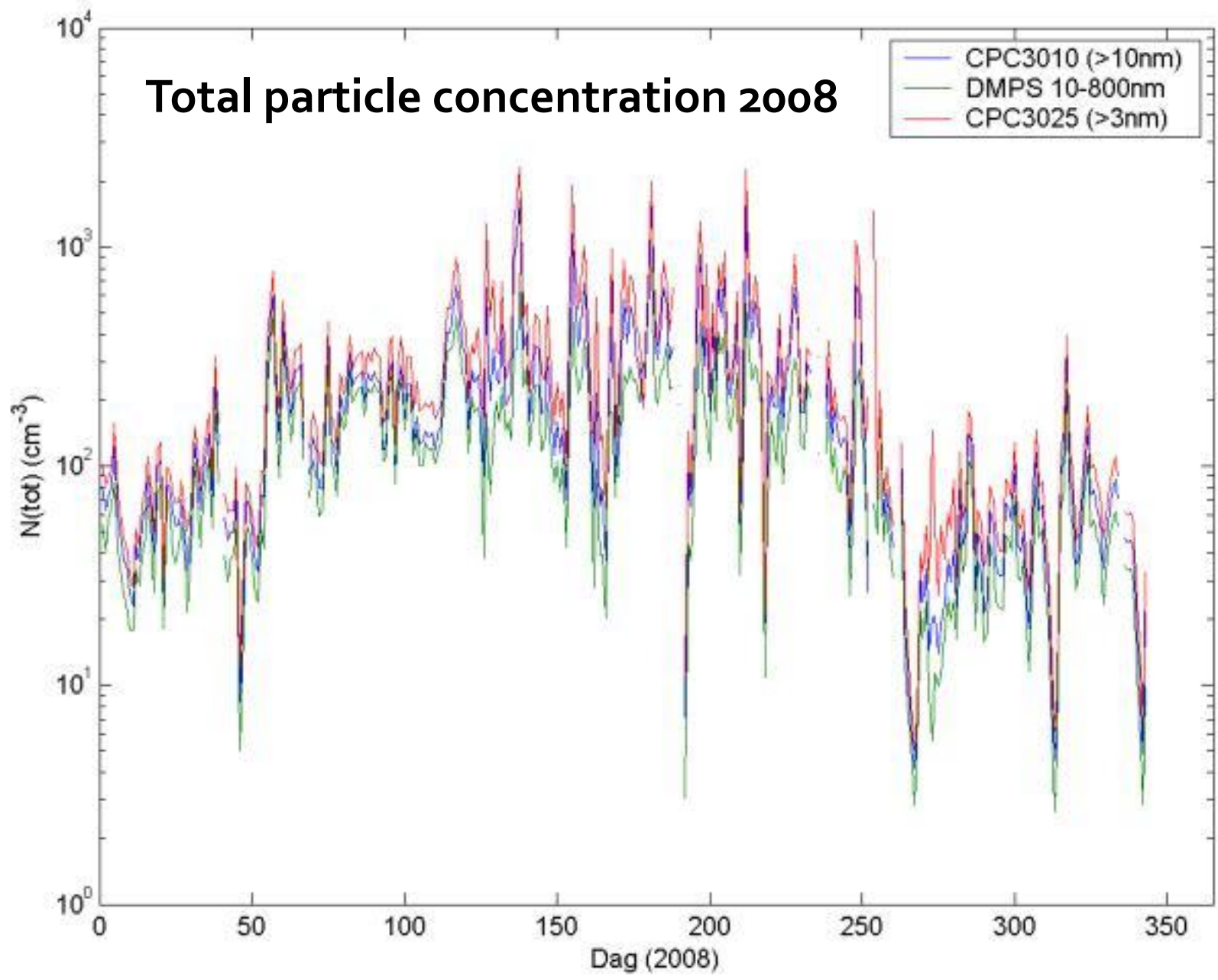
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- Upgrading the instrumentation at Zeppelin station.
- Focus on instruments to investigate particle size distribution.
- Installation of a DMPS systems to measure ultrafine aerosol particles.

# Total particle concentration 2008

- CPC3010 (>10nm)
- DMPS 10-800nm
- CPC3025 (>3nm)



# Outlook

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- Further upgrade of the instrumentation at Zeppelin station.
- Focus on instruments to investigate optical properties (e.g. absorption).
- Installation of new inlets that are especially designed for aerosol measurements under extreme weather conditions.
- Campaigns planned: 2<sup>nd</sup> half of 2011 and 2012.

