

**SSEC/CIMSS
Seminar**

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**Cloud Physical Property Retrieval for
climate monitoring using
SEVIRI data and comparison to
CloudNET ground-based observations**

Within the framework of EUMETSAT's Climate Monitoring Satellite Application Facility, the Royal Netherlands Meteorological Institute (KNMI) has developed a retrieval algorithm for cloud physical properties using observations from the Spinning Enhanced Visible and Infrared Imager (SEVIRI). The algorithm primarily uses visible and near-infrared reflectances to retrieve cloud optical thickness (COT), cloud liquid water path (LWP) and cloud thermodynamic phase (CPH).

The main focus of this presentation will be on the comparison of cloud physical property datasets to collocated and synchronized active remote sensing observations from the CloudNET stations at Cabauw (The Netherlands), Chilbolton (United Kingdom) and Palaiseau (France). Further, the benefit of the 15-minute SEVIRI resolution to observe, for example, the diurnal cycle of cloud physical properties will be shown.

Changed to Thursday, 12 June 2008

2:00 p.m.

Room AOSS 351