



## Newsletter Nr. 2, January 2010

Since the last Newsletter in July 2009 several interesting developments have occurred in the GAW-PFR Aerosol Optical Depth network. In this latest Newsletter we'd like to give PFR Users and the AOD community a brief overview of these developments.

Back in July 2009 we invited stations with an operational PFR to participate in the GAW-PFR network on a co-operative and complimentary basis. The response was very encouraging and the Finnish Met. Institute (FMI), Swedish Met. & Hydro. Institute (SMHI), and the Norwegian Institute for Air Research (NILU) kindly agreed to submit archive and daily data. Please get in touch with the following Principle Investigators to find out more about their AOD programmes: Veijo Aaltonen (veijo.aaltonen@fmi.fi; FMI), Thomas Carlund (thomas.carlund@smhi.se; SMHI) and Kerstin Stebel (kst@nilu.no).



Figure 1. Troll station, Antarctica, run by NILU

Daily and time-series AOD graphs are now also available from: a) Jokioinen (FMI, Finland), Sodankyla (FMI, Finland) and Marambio (FMI, Antarctic), b) Kiruna, Norrköping, Visby (all in Sweden, SMHI), c) Troll (Antarctica, NILU; see Figure 1).

A further development has seen the availability of daily data from the GAW-PFR station at Ryori, Japan. The move towards a near-real-time (NRT) capability has been kindly supported by the Japanese Meteorological Association. These latest additions now bring the list of NRT AOD availability in the GAW-PFR network to 19 stations ([www.pmodwrc.ch/worcc](http://www.pmodwrc.ch/worcc)).

As of January 2010 the World Data Centre for Aerosols (WDCA) moved from JRC Ispra NILU where it will be integrated into the EBAS data warehouse (<http://ebas.nilu.no/>). Data files will be converted from NARSTO to AMES format, and new NRT capabilities are being developed at NILU. Previous AOD data are still available at JRC Ispra.

On the occasion of the next International Pyrheliometer Comparison (IPC-XI) at our institute in Davos, another international Filter Radiometer Comparison campaign will be held from 27 September to 15 October 2010. AOD observations will be compared to our reference Triad. If you are interested in participating with your PFR, please contact Christoph Wehrli for further information.

With GAW-PFR now comprising many Associate stations beside the original GAW stations, questions concerning data rights need to be addressed. We therefore propose that data ownership remains with the instrument owner, and that data responsibility is associated with the producer of AOD data. The respective roles will be clearly identified in meta-data accompanying AOD data eventually submitted to WDCA.

We thus propose the following Memorandum of Understanding (MoU) between data owners and WORCC:

- 1) If AOD data are a major theme in a scientific publication by either the data owner or data producer, joint authorship should be offered to the respective partner. Minor use of AOD data should be properly acknowledged.
- 2) The data owner has priority in publication of her/his data for a period of 1 year after the latest data being taken.
- 3) WORCC will not make available data to third parties without consent of the data owner.

Please let us know of any objections to this MoU or restrictions applicable to your organization.

If you are interested in submitting your PFR data to GAW-PFR then please get in touch with us. Our website details our activities and services.