

Workshop for comparison of DOAS/SAOZ total ozone measurements with satellite measurements: Preliminary Agenda (29. June (09:00) - 1. July (12:00) 2009 in Helsinki), organized by the DOAS/SAOZ community and IGACO-O3/UV

Aim of the workshop: Despite of large efforts of Data Quality Assurance within the network of total ozone instruments operated within the network of Dobson and Brewer instruments operated under the umbrella of GAW it is well known, that a substantial part of the total ozone data deposited at WOUDC are of low data quality. In order to check the data quality of total ozone measurements of Dobson, Brewer and Filter instruments they were compared with satellite overpass measurements, the approach and results of this comparison were published in V.E. Fioletov, G. Labow, R. Evans, E.W. Hare, U. Köhler, C.T. McElroy, K. Miyagawa, A. Redondas, V. Savastiouk, A.M. Shalamayanshi, J. Staehelin, K. Vanicek, and M. Weber: Performance of ground-based total ozone network assessed using satellite data, *J. Geophys. Res.*, **113**, D14313, doi:10.1029/2008JD009809 (2008). The aim of the workshop is to compare total ozone measurements obtained by DOAS and SAOZ instruments in exactly the same way and to discuss the results. Vitali Fioletov (Environment Canada) will process the measurements and present the results.

1. Opening and welcome
2. Aim and program of the workshop
3. Presentation of comparison between satellite total ozone measurements and Dobson, Brewer and filter instruments
4. Concept of data quality assurance in the network of GAW total ozone instruments and related problems
5. Procedure and problems of calibration of DOAS and SAOZ instruments
6. Presentation of results of comparison of satellite with DOAS and SAOZ total ozone measurements (Vitali Fioletov, Environment Canada)
7. Discussion of results
8. Conclusions

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