

## ***Interactive comment on “The World aerosol Optical depth Research and Calibration Center (WORCC), Quality assurance and quality control of GAW-PFR AOD measurements” by Stelios Kazadzis et al.***

**Anonymous Referee #2**

Received and published: 5 December 2017

The manuscript: “The World aerosol Optical depth Research and Calibration Center (WORCC), Quality assurance and quality control of GAW-PFR AOD measurements” by Kazadzis et al., presents the AOD calibration for PFR available in the World Optical Depth Research Calibration Center (WORCC) is a section of the World Radiation Center at Physikalisches-Meteorologisches Observatorium (PMOD/WRC), Davos, Switzerland. A proper calibration is important since it defines the accuracy and quality of measurements, and even though the WORCC has been operative for many years there was not an available protocol calibration for PFR, this paper will become a ref-

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erence paper when talking about PFR measurements and calibration within the GAW-PFR network. The paper covers the requirements proposed by the journal. There are some aspects of this paper that require attention by the authors before the paper is ready for publication.

Comments:

After the new Authors Comment my main points about the paper are the following:

RIMA network like to use Toledano et al as a reference: Toledano, C., Cachorro, V. E., Berjon, A., de Frutos, A. M., Fuertes, D., Gonzalez, R., Torres, B., Rodrigo, R., Benouna, Y., Martin, L., and Guirado, C.: RIMA-AERONET network: long-term monitoring of aerosol properties, *Opt. Pura Apl.*, 44, 629–633, 2011 instead of Prats et al 2011.

What is the actual collaboration between the different networks? Most of the networks mentioned in the paper have the Cimel photometer as the main instrument and they follow the AERONET protocols for calibration, the comparison between PFR-GAW network and the others will help with the error estimation and analyze.

The principal point for me is related to the accessibility of the data, looking at the NILU ebas.nilu.no web there are only a few data for most of the stations why that? Is important that you check it and make available the data of all the stations based on what is presented in table 3.

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Interactive comment on Geosci. Instrum. Method. Data Syst. Discuss.,  
https://doi.org/10.5194/gi-2017-51, 2017.

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