**Regional Brewer Calibration Center - Europe intercomparison campaigns: instrumental findings**

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Nine Brewer intercomparison campaigns have been organized during the period 2009 – 2013 with the support of the European Space Agency (ESA) CEOS Intercalibration of Ground-Based Spectrometers and Lidars (CEOS INTERCAL) project. 35 brewer instruments from thirteen countries participated in these campaigns, providing to the brewer community with the opportunity to assess the European Brewer network status. Each intercomparison is scheduled into three different periods: the *blind period* which is dedicated to assess the current status of the instrument**,** the *maintenance period*, when necessary adjustments are performed and the *final period*, used to derive final calibration constants. In addition, these campaigns enable us to analyze the status of reference standards routinely used for transferring the Ozone calibration scale worldwide. Several common instrumental issues not properly handled with the available tools have been uncovered, affecting to Ozone absorption coefficient, neutral density filters, Dead Time and single Brewer stray light rejection.