**ESA CAL\_VAL campaign during 28th October to 18th November 2011 “Improvements in UV laboratory measurements at Izaña Atmospheric Research Center”**

The WMO/GAW Regional Brewer Calibration Center for RA-VI region (RBCC-E) was established at Izaña Atmospheric Research Center (IZO) in 2003.The RBCC-E owns a full calibration and reference-maintenance equipment composed of three Brewer spectroradiometers (The IZO Triad): a Regional Primary Reference (Brewer 157), a Regional Secondary Reference (Brewer 183) and a Regional Travelling Reference (Brewer 185) which can be transported for calibration campaigns outside IZO. In this study we show the methodology used and UV results obtained during the Nordic campaign at Izaña. One of the main tasks during the campaign was the spectral characterization of the participating instruments. We have observed important differences in UV laboratory measurements. These systematic discrepancies have been solved after new UV lamp Irradiance Certificates were recalculated for each Brewer. We achieved in this way a close agreement between instruments, within the 1%.