QOS2016-153-2, 2016
Quadrennial Ozone Symposium of the International Ozone Commission

Comparison of OMI-TOMS and OMI-DOAS total ozone value using Dobson Spectrophotometer at Havana Ozone Station and OMI-TOMS & OMI-DOAS in Camaguey Aeronet Cuban Station

J.C. Peláez, M. Gutierrez, and R. Lorenzo
Center for Atmospheric Physics of Cuban Meteorological Institute (juan.pelaez@insmet.cu)

Differences between regular measurements made in Havana Ozone Station from February 2011 to February 2014 and corresponding daily overpass ozone value reported by OMI following TOMS and DOAS methods are analyzed, aerosol optical properties and season of the year are taken into account.

On the other hand discusses the differences between ozone values reported by OMI-TOMS and OMI-DOAS corresponding to the daily overpass for the station in Camagüey Cuba Aeronet Station. Shown that the difference between the ozone values determined by both techniques is dependent on this aerosol optical thickness and other radiative properties of particles, such as Single Scattering Albedo.