



Ozone and radiation measurements: the experience and results of the Italian Air Force Experimentation Centre of Meteorological Instrumentation (ReSMA) in Vigna di Valle (Italy).

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The Italian Air Force Experimentation Centre of Meteorological Instrumentation (ReSMA) performed column O₃ concentration measurements since 1957 by spectrophotometer Dobson. Since '80s the automatic spectrophotometer Brewer has determined a consistent increase in ozone data and the introduction of UV radiation at surface measurements (UVB). The ozone network and radiation network data collection task and the recent introduction of a modern system for ozone soundings with balloons gave the Experimentation Centre the possibility of holding a privilege point of view for data management, their analysis and consequent results elaboration concerning the behaviour of ozone and radiation as fundamental components of terrestrial atmosphere.