



CASE STUDIES

MINIMET USED IN SOLAR RADIATION MONITORING IN MOLDOVA

The Atmospheric Research Group based in Moldova was established in 2003. It has a ground based solar radiation monitoring station. The station is placed in an urban environment of Kishinev City and is installed on the roof of a building. The ground station is composed of a multifunctional radiometric complex for the monitoring of solar and atmospheric radiation in a wide spectral range from ultra-violet (UV) up to infra-red (IR) margin of a spectrum.

The complex consists of 9 sensors of radiation for continuous measurements of global, diffused and direct solar radiation and automatic sun-tracking.

To supplement data from the sensors the group uses a Skye MiniMet weather station to measure the main meteorological parameters. The weather station is equipped with the following sensors: wind speed and direction, air pressure, temperature and relative humidity, solar radiation (pyranometer), and a UV-B radiation sensor.

The group carries out research into atmospheric optical phenomena, optical and microphysical properties of atmospheric aerosols, solar and atmosphere radiation within the spectral range from ultraviolet (UV) to far infrared (IR) margin of spectrum, and total column ozone content in an atmosphere.

More information on the groups work can be found on their website

<http://phys.asm.md/data/pages/arg/>

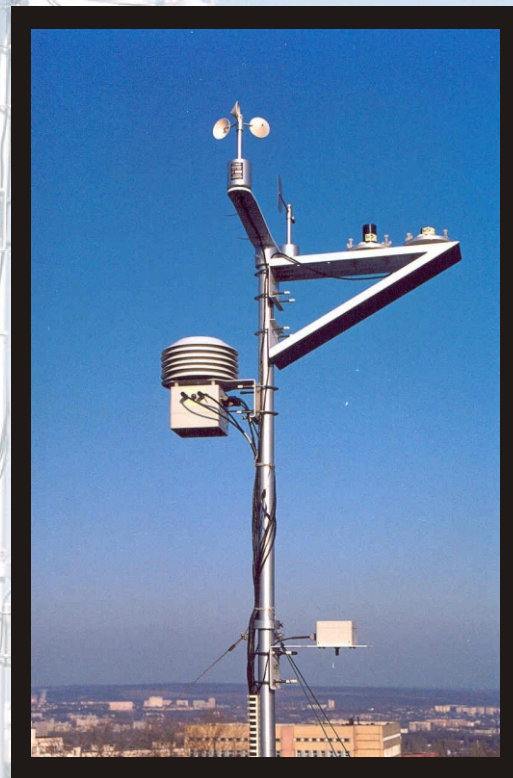
Thanks to Alexandr Aculinin for the information on their project.

EQUIPMENT USED

Their work is being carried out using a modular MiniMet weather station.

Further information on the MiniMet can be obtained direct from Skye or by visiting our website

www.skyeinstruments.com/minimet.htm



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