



Spectral direct solar UV irradiance measurements in Trondheim (Norway). Retrieval of aerosol optical depth, atmospheric turbidity and aerosol size distribution in subarctic coastal region

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Direct ultraviolet spectral solar irradiance measurements from Trondheim (63.43deg N, 10.43deg E) are presented. Spectral measurements in the range from 290 nm to 550 nm are compared with direct sun measurements with a CIMEL CE380 sun photometer. A Twomey–King method. Retrieved particle size distribution from sun photometer and Bentham D