

## New stratospheric UV/visible radiance measurements

F. J. Marceau, P. Rigaud, D. Huguenin, J. Albuquerque

Laboratoire de Physique et Chimie de l'Environnement 3A, avenue de la Recherche Scientifique CNRS, F-45071 Orléans, France

(2) Observatoire de Genève, Ch. des Maillettes, Sauverny, Suisse

(3) Centre National d'Etudes Spatiales, F-31055 Toulouse, France

Received: 2 October 1992; Revised: 15 July 1993; Accepted: 7 September 1993

**Abstract.** A stratospheric balloon was launched on 12 October 1986 from the "CNES" base at Aire sur l'Adour (France) to record twilight radiance in the stratosphere. The near-UV and visible radiances were continuously monitored by a photometer during sunrise. Some observations are presented for different viewing azimuthal planes and viewing elevation angles. They show the influence of aerosols layers and clouds which can be also seen on related photographs. The results as a whole may be used for testing some radiative models, especially for twilight conditions.

*Correspondence to:* F. J. Marceau

Article not available online

---

Last change: October 3, 1997

[helpdesk.link@springer.de](mailto:helpdesk.link@springer.de)

© Springer Berlin Heidelberg 1994