

Estimation of solar ultraviolet radiation derived from analyses of solar imaging data

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We report the results on the estimation of long-term variations of solar UV/EUV radiations, which affect on the upper thermosphere, by using full-disk solar images. The SOHO/EIT has shown us full-disk features of the sun in EUVs over 15 years. Ground-based chromospheric observations also enable us to derive an indicator of solar UV emission. From these data, we try to derive the main features that affect on the upper thermosphere and to estimate the long-term UV/EUV variations.

Keywords: Solar Activity, Solar UV Radiation