



Overview on recent upper atmosphere atomic oxygen measurements

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In recent years, new global datasets of atomic oxygen in the upper mesosphere and lower thermosphere have been presented. They are based on airglow measurements from low earth satellites. Surprisingly, the atomic oxygen abundance differs by

30-50% for similar atmospheric conditions. This paper gives an overview on the various atomic oxygen datasets available so far and

presents most recent results obtained from measurements on Envisat. Differences between the datasets are discussed.