



Remote sensing of the vicinity of Titan using Saturn Kilometric Radiation occultations

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The Saturn Kilometric Radiation is produced by the precipitation of accelerated electrons in the auroral regions of Saturn. These radio waves are emitted between a few kHz up to 1.2 MHz. We have observed that the SKR is occulted by Titan environment (ionosphere and wake) during each close Titan flyby. We studied all the observed radio occultations in order to put constraints on the size and on the density of Titan's environment.