



The Solar-ionosphere-troposphere coupling in the equatorial region.

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This paper examines the rocket-borne measurements results of the electron density in the equatorial ionospheric D layer over the tropical cyclones area at the rocket testing ground Tumba (8° N, 77° E). Remote sensing observations for tropical cyclones were performed over the North Indian Ocean, the West North Pacific and the South Indian Ocean.

We present the results of correlation and regression analyses between solar, ionosphere and troposphere parameters. Basis of this consideration consist of the solar activity parameter, the electron concentration, the space-time characteristics of the tropical cyclone.