

# **Manifestation of "Coast Effect" in Ionospheric Plasma Parameter Variations**

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The simultaneous variations of intensity a magnetic and electrical component of a field of low frequency emissions (0.1 - 20 kHz), flows of vigorous electrons ( $E_e \geq 40$  keV,  $E_e \geq 100$  keV), temperature and density of ionospheric plasma along orbit of "Inter-cosmos" satellites were analyzed.

It was revealed the considerable increase of low frequency noise (15 - 20 dB) intensity in relation to a level (background) of self noises of instrumentation at interception by a pathway of a satellite of boundary a land - sea. The increase of quasytrapped electrons ( $E_e \geq 40$  keV,  $E_e \geq 100$  keV) flows was simultaneously registered. The comparison of changes of ionospheric plasma parameters intensity and variations of a magnetic field of the Earth under the data of a simultaneously flying satellite has shown simultaneous change of parameters.

The outcomes are obtained for two locales: the Euroasian coast of Ice ocean and for southeast Asia.

The interpretation of the obtained experimental outcomes is given.