



Search and study of lightnings on planets of the Solar System

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Following the recent successful identification of lightning on Saturn recorded by ground-based radio telescope UTR-2 and spacecraft Cassini, we continued to study and search for electrostatic discharges on other planets of the Solar System.

With the help of the receiving equipment with high frequency and time resolution the dispersion delay of short powerful discharges was fixed in the frequency band 16.5...33.0 MHz, that uniquely allows as to distinguish the lightnings and terrestrial broadband interference. We also defined other parameters of their radio emission.

Uranus, Jupiter and Venus were selected as the following objects for searching. Observations were carried out and are currently under processing.