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Analysis of HF ionospheric attenuation based on PL610 single station measurements

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Regular observations of the brightest radio sources (A-Team) in the frequency range of 10-90 MHz have been conducted at the PL610 station since 2017. These observations are used to calculate the S4 index and determine the level of irregularities in the ionosphere. They also contain data on signal attenuation caused by the signal passing through the ionosphere. In this work, we present the influence of space weather and describe the situation at different frequencies for selected periods of increased activity, as well as the behavior associated with normal ionospheric variability.