



Occurrence frequency of whistlers and ionospheric conditions

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Occurrence frequency of whistlers and ionospheric conditions is studied considering various processes affecting propagation of radio waves. It has been found that whistler occurrence frequency increases with increased spread F occurrence, which means that whistler occurrence is augmented by enhanced occurrence of F region ionospheric irregularities. It has also been shown that occurrence of whistlers is reduced with increasing non-deviative absorption of LF radio waves hinting at damping of whistler signals.