

# TIMING OF GEOMAGNETIC ACTIVATIONS BY PiB TYPE PULSATIONS

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An actual task in the physics of magnetospheric substorms is to determine the time of the onset of their explosive phase. For this purpose, the long-period Pi2/Pi3 pulsations are often used. In this work, we show that the short-period part of the broadband Pi1B pulsation bursts allows us to better time the onset of not only isolated substorms, but also other types of recurrent substorm activations, due to the relatively short duration of Pi1B wave train (<0.5 min) and the high sensitivity of this pulsation range to various types of geomagnetic activity.