## MIDLATITUDE BURSTS OF PiB GEOMAGNETIC PULSATIONS AND NIGHT AIRGLOW DURING STORMTIME SAWTOOTH EVENTS

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We explore dynamics of burst broadband pulsations and airglow using the ISTP midlatitude observatories during two stormtime substorm sawtooth events (STEs) with different level of solar wind ram pressure Pd. Also, we analyze dynamics of the oval of the field-aligned currents obtained using the ISTP magnetogram inversion technique. We detected burst pulsations in the Pi1B short-period range not only when the south oval boundary of the aurora and field-aligned currents (FACs) were near Irkutsk, but also when they were up to 10 degrees northward. The possibility of periodic substorm activations during STEs by a global magnetotail instability and excitation of the nighttime Alfven resonator is discussed.