SUBSTORM ASSOCIATED Pi3 GEOMAGNETIC PULSATIONS

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The morphological characteristics of different types of high latitude long period Pi3 geomagnetic pulsations in the periods range of ~7-20 min (f ~ 0.8 - 2.5 mHz) have been reviewed. The distinction between Ps6 and Pc6 has been concidered. It has been shown that the substorm associated pulsations occurr in rather restricted regions which location depends on the phase of substorm development. The temporal and spatial coincidence of the auroral break-up and bursts of Pi3 pulsations has been demonstrated. The possible location of the source of wave generation has been discussed.