Wave characteristics of Psc pulsations simultaneously observed at ground stations in the morning and in the afternoon.

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We have analyzed wave characteristics of Psc magnetic pulsations observed word-widely during the October 2003 storm. We are using data observed at Japanese stations (Memanbetu, Kakioka, Kanoya, and Iriomote), Urumqi in China, and the IMAGE stations. The Psc pulsations were observed at the IMAGE stations in the morning, and at the Japanese stations located in the afternoon. Spectral analyses of the Psc pulsations show that wave periods at IMAGE are shorter than those observed at the Japanese stations in lower latitudes. The result suggests an intensive dependence of the wave period on local time. We will discuss such wave characteristics of the Psc pulsations as well as polarization and phase properties.