

PEM023-P01

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## Magnetic fluctuations of 1-10 Hz observed by Kaguya/LMAG on its orbit 100km above the terminator of the moon

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Properties of magnetic fluctuations of the solar wind around the moon in the frequency range of 1 - 10 Hz has been investigated by using Kaguya observation made at an altitude of 100 km above the lunar surface during the period from January 1 to January 31, 2008. The orbit of Kaguya was approximately along the terminator of the moon. The data sampled at a frequency of 32 Hz were Fourier transformed every 32 sec. The most intense wave activity in the range from 1 to 10 Hz was observed above the lunar magnetic anomalies when they were exposed to the solar wind. There found various features in the dynamic spectra, whose structures are related with the configurations of magnetic anomalies.

Keywords: Kaguya, MAP/LMAG, solar wind interaction, terminator, magnetic anomaly, whistler wave