Analysis of Pi 2 pulsation by using the online geomagnetic data analysis system

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We have started to observe the geomagnetic field data at two low latitude stations; Kumamoto and Iriomote. To open these data for general public, we have developed the geomagnetic data analysis system that is not only to show original waveform plots but also to analyze data by several tools on Internet. Available tools in this system are time series plots such as digital filters, and spectra analyses such as FFT, Auto Regressive model (AR) and Wavelet transformation.

We will show that the relationship between substorms and Pi2 onsets which is detected by wavelet transformation automatically on this system.