



LONG PERIOD GROUND MOTION OBSERVED IN SENBOKU PLAIN, MIYAGI PREFECTURE DURING THE 2008 IWATE-MIYAGI NAIRIKU EARTHQUAKE

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ABSTRACT: During the 2008 Iwate-Miyagi Nairiku Earthquake, long period ground motion with a period of three to four second is observed in Senboku plain, Miyagi prefecture, Japan. In this paper, these ground motions are characterized as follows. Predominant frequency of another events are almost the same to the Iwate-Miyagi earthquake. Propagating direction of MYG006 ground motion is different to the epicentral direction. Results come from this study indicate that long period ground motion is comprised of surface wave excited by deep plain structure.

Key Words: Surface wave, Love wave, Rayleigh wave