

Japan Geoscience Union Meeting 2011

(May 22-27 2011 at Makuhari, Chiba, Japan)

©2011. Japan Geoscience Union. All Rights Reserved.



SSS025-03

Room:302

Time:May 27 14:45-15:00

Medium-scale characteristic earthquakes around Japan

Noriko Kamaya^{1*}, Masami Okada², Akio Katsumata²

¹Meteorological College, ²Meteorological Research Institute, JMA

Medium-scale characteristic earthquakes around Japan have been detected on the basis of regularity, geographical proximity, magnitude, correlation coefficient and coherence. Among 30 detected groups, 16 groups had digital wave data of 87-type strong motion seismometer and 95-type seismic intensity meter of JMA. Among them, 11 groups showed high correlation coefficients and coherences. They are Off Akkeshi M4.8, Off Hidaka M4.8, Off Urakawa M5.4, Off Taneichi M5.9, Off Kamaishi M4.7, Off Iwaki M5.6, Hitachi M5.2, Tsukuba M5.3, Off Choshi M5.0, Group A of West of the Okinoerabu Island M5.1 and South of the Miyakojima Island M6.5.

Keywords: Characteristic earthquake, Recurrent earthquake, Correlation coefficient, Coherence, Off Hidaka, Hitachi