

# Supplementary Material for “Focal mechanisms of small earthquakes beneath the whole Japan Islands based on first-motion polarities picked using deep learning”

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## Introduction

This Supplementary Material contains two figures: The magnitude-frequency distribution of the data sets for training and examples of seismograms with impulsive onsets but no polarity data in the JMA Unified Earthquake Catalog.

Supplementary Figures

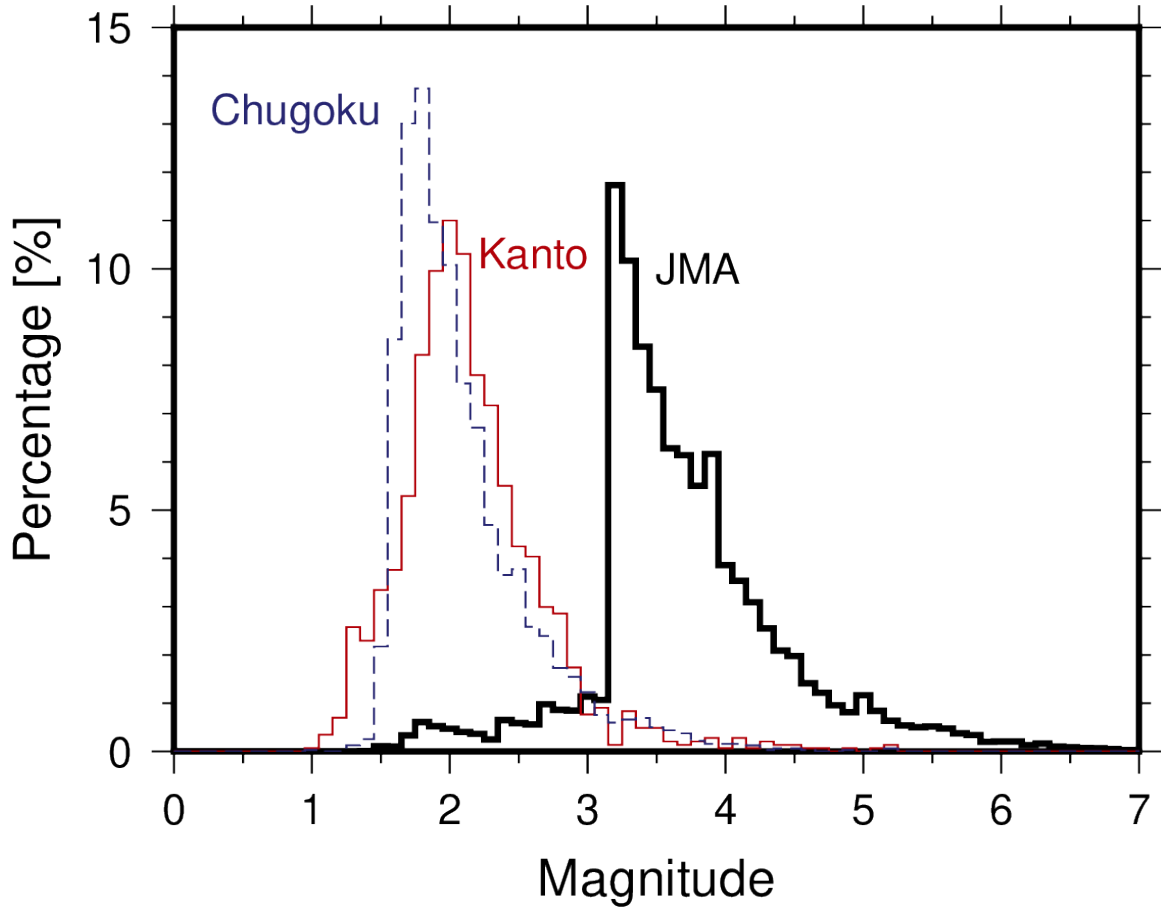


Figure S1.

Magnitude-frequency distribution in the JMA (thick black), Kanto (thin red), and Chugoku (dashed blue) data sets.

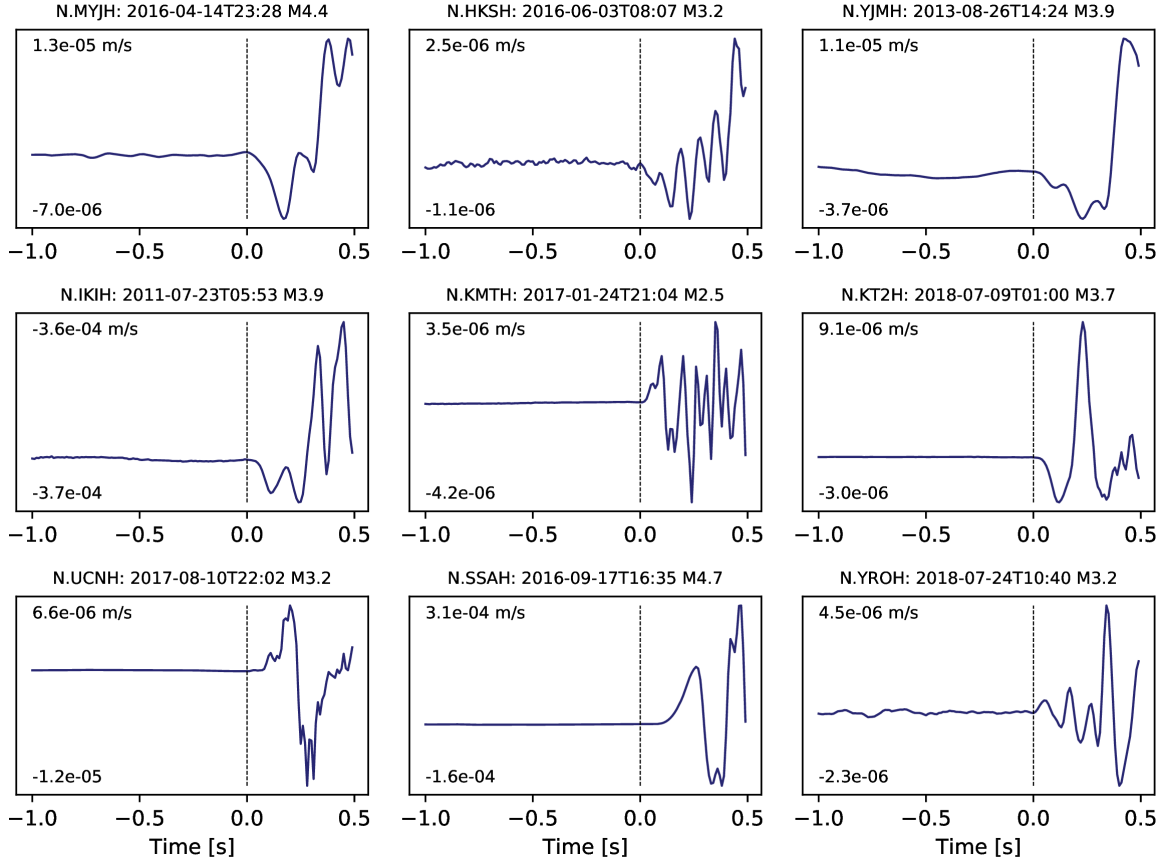


Figure S2.

Examples of seismograms with impulsive onsets but no polarity data in the JMA Unified Earthquake Catalog. Station names, and the origin time and magnitude of the events are above each panel.