

# Real-time tsunami detection with oceanographic radar based on virtual tsunami observation experiments

Kohei Ogata,<sup>1</sup> Shuji Seto,<sup>2</sup> Ryotaro Fuji,<sup>1,3</sup> Tomoyuki Takahashi<sup>4</sup> and Hirofumi Hinata<sup>1\*</sup>

<sup>1</sup> Department of Civil and Environmental Engineering, Faculty of Engineering, Ehime University, 3 Bunkyo-cho, Matsuyama, Ehime 790-8577, Japan

<sup>2</sup> International Research Institute of Disaster Science, Tohoku University, 468-1 Aramaki Aza Aoba, Aoba-ku, DataSendai, Miyagi 980-0845, Japan

<sup>3</sup> Technology Management Department, Kokusai Kogyo Co., Ltd., 2-24-1 Harumi-cho, Fuchu, Tokyo 183-0057, Japan

<sup>4</sup> Faculty of Safety Science, Kansai University, 7-1 Hakubai-cho, Takatsuki, Osaka 569-1098, Japan

## Additional Supporting Information (Files uploaded separately)

Caption for Dataset S1

### Introduction

This supporting information provides the overview and the caption of dataset of our study. The datasets include the 1-min interval data of the 660 scenarios of the virtual tsunami observation on every radar beam in February, 2014 in a zip format. The files can be read by using text viewer tools (e.g., WordPad in Microsoft Windows).

**Data Set S1.** The 1-min interval data of the 660 scenarios of the virtual tsunami observation on every radar beam used in this study. The data are contained in each day directory in a zip format. The data can be read by using text viewer tools (e.g., WordPad in Microsoft Windows).