

Erratum to: Damage from the Great East Japan Earthquake and Tsunami - A quick report

Nobuo Mimura · Kazuya Yasuhara · Seiki Kawagoe ·
Hiromune Yokoki · So Kazama

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Errors and sentences with insufficient references were found in the article. We apologize for this, and make the following corrections.

1) Abstract, lines 4–5, p.1

“The tsunami was also historical as its run-up height reached over 39 m” should be “The tsunami was also historical as its run-up height reached *about 38 m*”.

2) line 6, p.2

“Its run-up height reached over 39 m” should be “Its run-up height reached *about 38 m (Tsuji et al., 2011a)*”

3) lines 17–18, p.3

“the Ministry of Ministry of Education, Culture, Sports, Science & Technology” should be “*the Ministry of Education, Culture, Sports, Science & Technology*”.

4) lines 31–33, p.3

The online version of the original article can be found at <http://dx.doi.org/10.1007/s11027-011-9297-7>.

N. Mimura (✉) · K. Yasuhara
Institute for Global Change Adaptation Science (ICAS), Ibaraki University, Mito, Japan
e-mail: mimura@mx.ibaraki.ac.jp

S. Kawagoe
Faculty of Symbiotic Systems Science, Fukushima University, Fukushima, Japan

H. Yokoki
School of Engineering, Ibaraki University, Hitachi, Japan

S. Kazama
School of Engineering, Tohoku University, Sendai, Japan

A reference should be added as “The earthquake was the biggest measured earthquake in Japan. Maximum recorded acceleration of the ground motion reached 3000 gal (30 m/s^2) in Kurihara-city, Miyagi prefecture (NIED, 2011).”

5) lines 27–28, p.8

“For example, in Rikuzen-Takata-city, the wave height was over 15 m, with the highest run-up elevation being about 39 m.” should be “For example, in Rikuzen-Takata-city, the wave height was over 15 m.”

6) lines 8–9, p.9

A reference should be added as “Ibaraki and Chiba Prefectures are south of Fukushima Prefecture. Tsunamis of 3.3 m to 7.2 m high (Ibaraki) and 1.3 m to 7.6 m high (Chiba) were observed (Tsuji et al., 2011b).”

7) line 16–17, p.9

“it experienced enormous damage in 1886 (Meiji Sanriku Tsunami)” should be “it experienced enormous damage in 1896 (Meiji Sanriku Tsunami)”

8) lines 14–15, p.11

A reference should be added as “After the Great East Japan Earthquake, most elementary and middle-high schools evacuated students to higher places (Hokkaido Shinbun Press, 2011).”

9) lines 2–3, p.12

A reference should be added as “According to a newspaper (Yomiuri Shinbun, 2011), the dead people over 60 and 70 years accounted for 65% and 45%, respectively, of the 2,854 victims in five prefectures.”

10) Additional References

Hokkaido Shinbun Press (2011) Article on 27th March (in Japanese).

National Research Institute for Earth Science and Disaster Prevention (NIED) (2011) 2011 Off the Pacific Coast of Tohoku earthquake, Strong Ground Motion, http://www.k-net.bosai.go.jp/k-net/topics/TohokuTaiheiyo_20110311/nied_kyoshin2e.pdf

Tsuji, Y., B.H.Choi, K.O. Kim, H.W. Kim et al. (2011a) Tsunami Investigation of Northern Sanriku, Earthquake Research Institute, The University of Tokyo, http://outreach.eri.u-tokyo.ac.jp/eqvolc/201103_tohoku/eng/#sanrikutsunami.

Tsuji, Y. et al. (2011b) Tsunami height in Ibaraki and Chiba coasts, Earthquake Research Institute, The University of Tokyo, http://outreach.eri.u-tokyo.ac.jp/eqvolc/201103_tohoku/eng/#tsunami%20height.

Yomiuri Shinbun (2011) Article on 26th March (in Japanese).

Additional references for Table 1, p.9

A reference for Table 1, Japan Weather Association (2011), summarizes the items based on the references listed below. We add them to indicate the sources of data. Also note that the inundation heights in Table 1 were observed at certain points in the cities/towns, and that they vary with locations.

1) “Inundation height”

The 2011 Tohoku Earthquake Tsunami Joint Survey Group(2011) Prompt report of surveys results, <http://www.coastal.jp/tsunami2011/> (The referred date was 13th April).

Japan Meteorological Agency(2011) Press Release(5th April, 2011) <http://www.jma.go.jp/jma/press/1104/05a/tsunami20110405.pdf> (in Japanese).

Port and Airport Research Institute and National Institute for Land and Infrastructure Management(2011) Executive Summary of Urgent Field Survey of Earthquake and Tsunami Disasters, <http://www.pari.go.jp/en/eq2011/20110325.html>.

2) “Inundation Areas”, “Rate of inundation area” and “Rate of inundated residential area” Geographical Survey Institute(2011) Inundation areas by land use-Renewal using aerial photos over Chiba Prefecture etc, and satellite images taken on 18th and 29th March, <http://www.gsi.go.jp/common/000060371.pdf> (in Japanese).

3) “Dead and missing people”

The figures of “Dead and missing people” are based on the reports from Iwate(15th April) and Miyagi(16th April) Prefectures.