

Interactive comment on “Inversion method for initial tsunami waveform reconstruction” by V. V. Voronin et al.

Anonymous Referee #3

Received and published: 27 March 2015

This paper examined a SVD method for tsunami source inversion. I guess such an approach interesting. Optimization of strategy for setting inversion should be generally more investigated in future. The topic presented here had better to be published; however, current version needs modifications based on recommendations below, mostly in terms of technical corrections.

I must comment that qualities of the figures presented are low, as the reviewer #2 also commented. Readers will probably have difficulties in fairly understanding the figures.

1. All the figures needs units/labels.
2. Colored legends are necessary in Figs. 1, 5, 6, 8, and 9, since the author used lots of colors in drawing lines.

C3581

3. Font sizes are too small in Figs. 1, 2, 3, 4, 5, 6.
4. Why negatives values are presented in the middle panel in Fig. 6? err% is always positive.
5. Figure 7 had better specify latitude/longitude or name of cities/provinces. I guess that the low-dip-angle thrust should be located in landward-slope region (e.g., x=300, y=200 in Fig. 7), rather than the current location (outer-rise region).
6. Table 1 needs to specify understandable names for respective experiment; specifying row number (??th row) is not easy to read.

Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., 2, 7735, 2014.