



TSTLE Dataset

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Contributors: [Takumi Yoshii](#), [Shiro Tanaka](#),
[Masafumi Matsuyama](#)

Description

This dataset provides the measurement data of tsunami sediment transport laboratory experiment (TSTLE) project conducted in 2014-2016.

The dataset includes the following materials. All files are encoded with UTF-8 format.

1. Fixed-bed: water level (WL), horizontal velocity (U), and vertical velocity (W) measured in the fixed-bed channel
2. Movable-bed: water level (WL), horizontal velocity (U), vertical velocity (W), and concentration (C) measured in the movable-bed channel
3. Topography: pre- and post-experiment and corrected difference (*)
4. Deposits (Bulk): area density, D50, Dvcs, Fe2O3 content, and Al2O3 content
5. Deposits (Layers): Sampling depth, D50, Dvcs, Fe2O3 content, and Al2O3 content

(*) We corrected bias error which pre- and post-experimental measurements may include.

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Dataset metrics

Usage

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