

Metadata Report

Note: This is a suggested template for descriptive metadata for datasets uploaded to the OpenTopography Community Dataspace. Information below is optional, but please fill in fields as appropriate. The goal of this document is to enable data reuse, so please provide as much information as possible.

Project Name

Survey of Displaced Geomorphic Surfaces of the Yamadu Fault, China 2022

Summary

The Yamadu fault displaced the piedmont alluvial fan and river terraces. The vertical displacements is ~3.6 m, ~9.1 m and ~15.2 m at the T1, T2 terraces and alluvial fan, respectively.

Personnel

- PI(s) : Chuanyong Wu, Kezhi Zang
- Field staff: Tao Huang
- Additional team members: Sihua Yuan, Xiangdong Bai, Chengyao Guan

Site Information

- Site description: Faulted geomorphic surfaces
- Site objective: Yamadu Fault
- Site location (GPS cords and/or map): 43°38'27",81°41'06"
- Site conditions: Piedmont alluvial fan and river terraces covered by loess. The T2 terrace and alluvial fan have been artificially modified on the north side (upthrown block) of the fault.
- Date/time spent at each site: half a day

Survey Results

- Equipment used: Small four-rotor unmanned drone and differential GPS
- GPS solutions: Differential measurement
- Errors: Horizontal error of 2 cm and vertical error of 4 cm.
- Alignments: Manual identification of the GCP targets
- Collection methods:

Products

- Date of dataset collection: July, 2022
- Coordinate system of datasets: WGS 84 / UTM zone 44N (EPSG:32644)
- Spatial resolution: <0.3 m/pixel
- Horizontal Accuracy:
- Vertical Accuracy:
- Data formats: Tiff
- Data processing methods: Structure-from-motion

Misc Notes