

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

Faulted late Quaternary geomorphic surfaces of the Kashihe Fault in the northern Tian Shan, NW China, June, 2018.

Summary

To the north of Huocheng city, a WNW-trending fault valley that results from the long-term activity of the KSHF is present. Several beheaded channels indicate obvious strike-slip motion along the KSHF. In the fault valley, a fresh surface rupture of the N-facing scarp can be clearly observed.

Personnel

- PI(s) :Chuanyong Wu, Guangxue Ren, Jingxing Yu
- Field staff: Ying Ren
- Additional team members: Siyu Wang

Site Information

- Site description: Faulted alluvial fans
- Site objective: Kashihe Fault
- Site location (GPS cords and/or map): 44°18'20",81°02'40"
- Site conditions: Alluvial fans covered by grass
- Date/time spent at each site: about 3 hours

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: June, 2018
- Coordinate system of datasets: WGS 84
- Spatial resolution: <0.3 m/pixel
- Horizontal Accuracy:
- Vertical Accuracy:
- Data formats: Tiff
- Data processing methods: Structure-from-motion

Misc Notes