

# 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

At northeast of Huocheng County, a series of active channels incised into the piedmont fan and flowing perpendicular to the fault strike have been right-laterally displaced. Along the Mukuer River, two main grades of terraces of T1 and T2, and the piedmont fan can be identified. The KSHF displaces these geomorphic surfaces with obvious right-lateral offsets and vertical displacements component.

## Personnel

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

## Site Information

- Site description: Faulted alluvial fan and terraces
- Site objective: Kashihe Fault
- Site location (GPS cords and/or map): 44°17'23",81°06'10"
- Site conditions: Alluvial fan and terraces covered by grass
- Date/time spent at each site: about 5 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