

Suusamyр Basin, Dzhalpaksu River (west)

Target: Fault scarp of a E-W striking, S-dipping reverse fault in the Suusamyр Basin in Kyrgyzstan

Purpose: Measuring the offset from the 1992 M7.3 Suusamyр Earthquake

Uploader:

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Survey date: 2015-06-03

Survey method: Structure-from-Motion from UAV aerial images

UAV: DJI Phantom 2

Flight altitude: 60-80 m

Camera: Canon PowerShot SX230 HS

Positioning: built-in camera GPS, ground control points measured with RTK DGPS

SfM software: AgiSoft Photoscan Professional

DEM size: 7,867 x 4,771 pixels

DEM extent: 256,791 m²

DEM elevation: 2511 - 2600 m asl

DEM Resolution: 0.124 m/pixel

DEM EPSG: 4326

DEM filetype: GeoTIFF

Orthophoto size: 28291 x 15251 pixels

Orthophoto EPSG: 4326

Orthophoto filetype: GeoTIFF

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Reference: Ainscoe, E. A., Abdrakhmatov, K. E., Baikulov, S., Carr, A. S., Elliott, A. J., Grützner, C., Walker, R. T. (2019). Variability in surface rupture between successive earthquakes on the Suusamyр Fault, Kyrgyz Tien Shan: implications for palaeoseismology. [Geophysical Journal International](#) 216(1), 703-725.

