

Suusamyr Basin, Dzhalpaksu River (east)

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

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

Uploader:

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Survey date: 2016-06-08

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: 3,748 x 2,070 pixels

DEM extent: 112,634 m²

DEM elevation: 2492 - 2554 m asl

DEM Resolution: 0.20 m/pixel

DEM EPSG: 32643

DEM filetype: GeoTIFF

Pointcloud # of points: 15,237,813

Pointcloud filetype: xyz

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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 Suusamyr Fault, Kyrgyz Tien Shan: implications for palaeoseismology. [Geophysical Journal International](#) 216(1), 703-725.



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