Suusamyr Basin, Chet Korumdy ridge ruptures

Target: Secondary ruptures and extensional features formed in the 1992 M.3 Suusamyr earthquake.
Purpose: Identifying secondary environmental earthquake effects
Uploader:
Dr Christoph Grützner
Friedrich Schiller University Jena
Institute of Geological Sciences
Burgweg 11
07749 Jena
Germany
christoph.gruetzner@uni-jena.de

Survey date: 2016-06-16
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: 13,234 x 5840 pixels
DEM extent: 460,503 m²
DEM elevation: 2417 - 2541 m asl
DEM Resolution: 0.107 m/pixel
DEM EPSG: 4326
DEM filetype: GeoTIFF

Pointcloud # of points: 13,721,113
Pointcloud filetype: xyz

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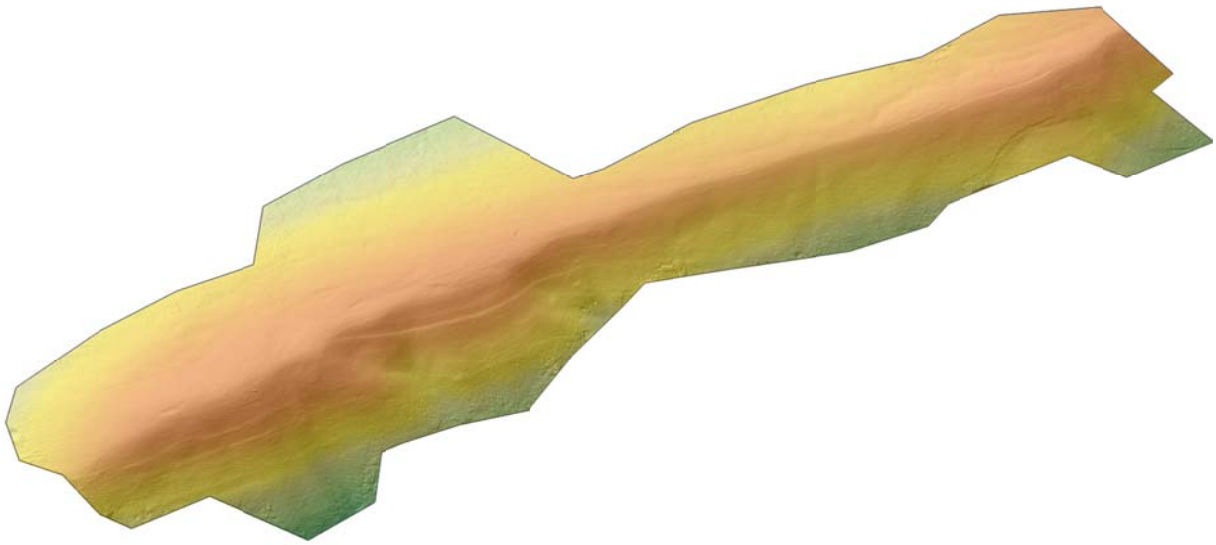
Reference: Grützner, C., Walker, R., Ainscoe, E., Elliott, A., & Abdrakhmatov, K. (2019). Earthquake Environmental Effects of the 1992 MS7. 3 Suusamyr Earthquake, Kyrgyzstan, and Their Implications for Paleo-Earthquake Studies. *Geosciences*, *9*(6), 271.



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