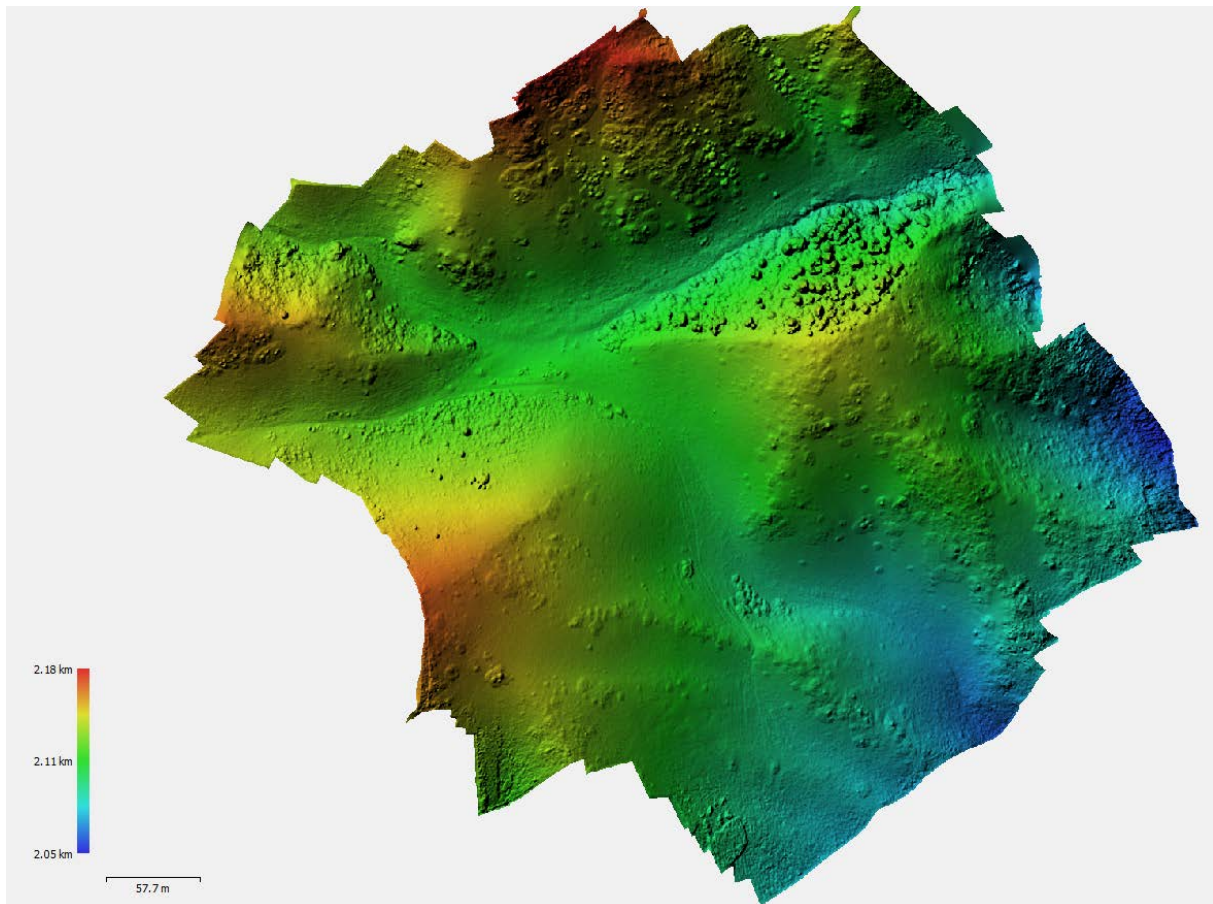


Chilik Fault, Kazakhstan, windgap and slip rate site

Uploader:

Dr Christoph Grützner
Friedrich Schiller University Jena
Institute of Geological Sciences
Burgweg 11
07749 Jena
Germany
christoph.gruetzner@uni-jena.de

Target: Chilik Fault (left-lateral strike-slip fault) in southern Kazakhstan; UAV survey to measure the vertical and horizontal offsets across the fault in a windgap setting.



Data collectors: Christoph Grützner, Angela Landgraf, Aidyn Mukambaev

Survey date: 2016-07-26

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; five ground control points measured with RTK DGPS

SfM software: Agisoft Photoscan Professional

of photos: 605

of tie points: 43,897

Dense cloud: 70,925,020 points

DEM size: 11,612 x 10,946 px

DEM Resolution: 0.06 m/px

EPSG: 4326 (WGS84 cartographic)

DEM filetype: GeoTIFF

Orthophoto Resolution: 0.03 m/px

Raw files: The original source images are available upon request from Christoph Grützner

GCPs:

<u>name</u>	<u>subname</u>	<u>long</u>	<u>lat</u>	<u>elev</u>
2	ch-rover1	78.23805417	43.24077806	2104.6776
3	ch-rover1	78.2370436	43.24083359	2119.3406
4	ch-rover1	78.23674106	43.24025248	2115.6507
5	ch-rover1	78.23777797	43.24018107	2114.1427
6	ch-rover1	78.23833816	43.23984698	2110.9688

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