

# Ili Basin, Shonzhy

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**Target:** Fault scarp of a E-W striking, S-dipping reverse fault near Shonzhy in the Ili Basin in Kazakhstan

**Purpose:** Measuring the height of the cumulative fault scarp

**Uploader:**

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**Survey date:** 2015-08-22

**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:** 4,192 x 3207 pixels

**DEM extent:** 694,049 m<sup>2</sup>

**DEM elevation:** 720 - 756 m asl

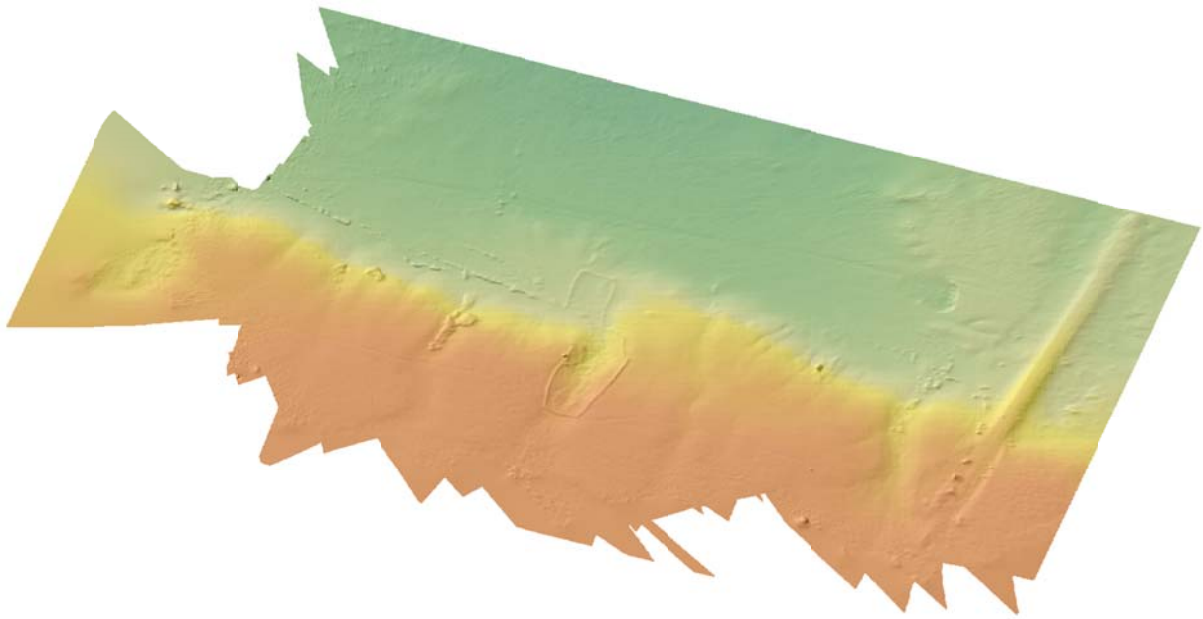
**DEM Resolution:** 0.33 m/pixel

**DEM EPSG:** 4326

**DEM filetype:** GeoTIFF

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**Reference:** Grützner, C., Campbell, G., Walker, R. T., Jackson, J., Mackenzie, D., Abdrakhmatov, K., & Mukambayev, A. (2019). [Shortening accommodated by thrust and strike-slip faults in the Ili Basin, northern Tien Shan](#). *Tectonics* 38(7), 2255-2274.



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