Metadata Report

Project Name *"Survey of Segment of 1872 Owens Valley Rupture near Klondike Lake"*

Summary This is a short 1 km long x 175 m wide SfM data acquisition.

Personnel

- PI(s): Ian Pierce, Gordon Seitz
- Field staff: Ian Pierce

Site Information

- Site description: The site is generally flat, with a prominent scarp from 1872 running along the length of it. It is on the edge of Klondike Lake, just north of Big Pine, Ca, and appears to mostly consist of playa deposits and sagebrush.
- Site objective: To document fine scale detail of this site.
- Site location (GPS cords and/or map): 37.197863055, -118.31358292
- Site conditions: Dry/ late fall
- Date/time spent at each site: 1 hour in late morning of Nov 19, 2020.

Survey Results

- Equipment used: DJI Phantom 4 Pro v2.0 with Teokit AGNSS modification.
- GPS solutions: PPK corrected of camera positions to an Emlid Reach RS2.
- Errors:
- Alignments
- Collection methods: No GCPs were collected, this acquisition solely relied on the PPK corrected camera positions.

Products

- Date of dataset collection: Nov 19, 2020
- Coordinate system of datasets
- Spatial resolution: 3.5 cm orthoimagery & 7 cm DEM.
- Horizontal Accuracy: Unknown
- Vertical Accuracy: Unknown. GPS ellipsoidal heights have not been corrected for a geoid.
- Data formats: TIF, LAZ
- Data processing methods: Agisoft Metashape Pro

Misc Notes

No geoid model was used during GPS corrections, so any absolute elevation needs should consider using both a real-world-ground-point and a geoid correction. As there are no GCPs used in this model, the vertical uncertainty is likely on the order of +/- 10 m.