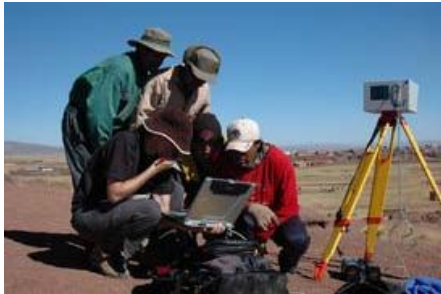# Geospatial Modeling & Visualization

A Method Store for Advanced Survey and Modeling Technologies

GMV   Geophysics   GPS   Modeling   Digital Photogrammetry   3D Scanning   Equipment   Data and Projects by Region

Tiwanaku, Bolivia

The Center has been involved in a multi-year project in collaboration with Dr. Alexei Vranich at the University of Pennsylvania to scan and document the Pre-Incan site of Tiwanaku, Bolivia. Read a short synopsis of the project at Tiwanaku Project Details and for full details on the entire survey, refer to Geophysics and Geomatics at Tiwanaku.
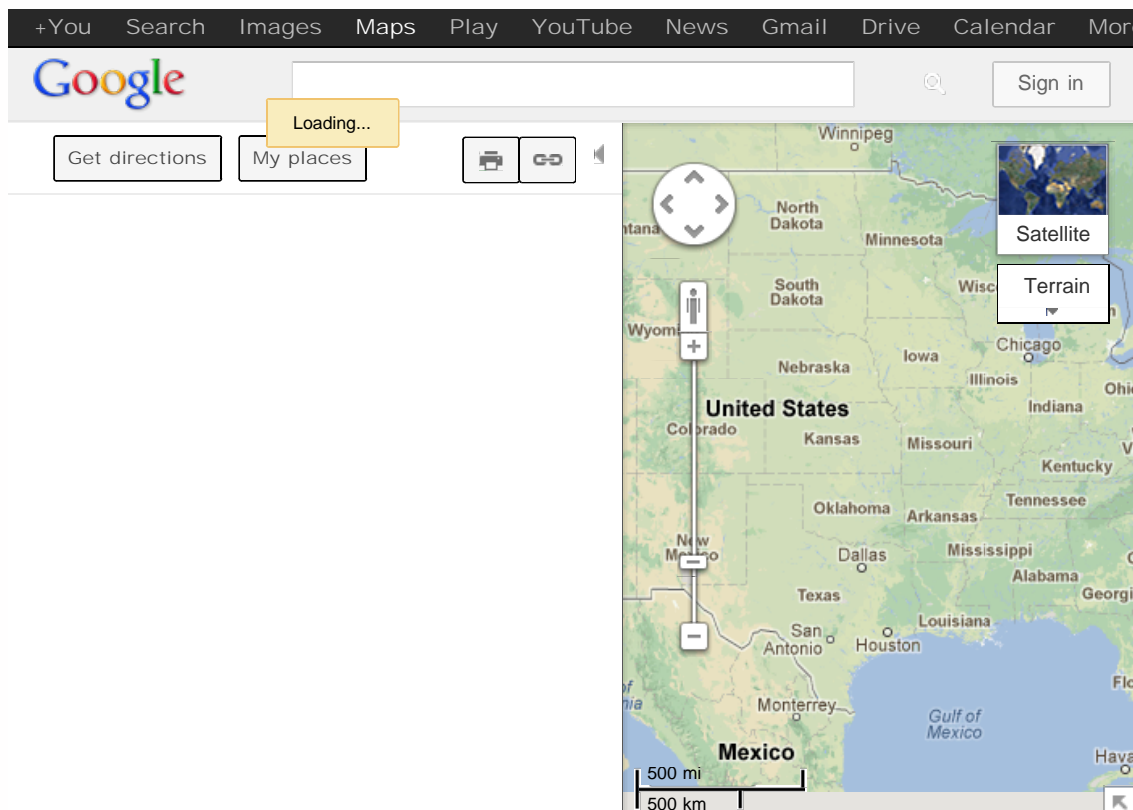

View Tiwanaku, Bolivia in a larger map
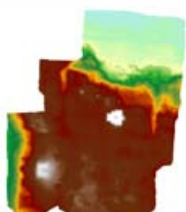
dem_72_05m.tif
dem_72_05m.tfw (File size – 69 mb) *Collected 2006*
Photogrammetric processing was performed on 10 historic vertical aerial photographs from 1972 to produce this digital elevation model (DEM) covering the monumental core and surrounding areas of Tiwanaku. Ground sample distance – 0.5-m, Coverage – 330-ha

dem_92_1m.tif
dem_92_1m.tfw (File size – 26 mb) *Collected 2006*
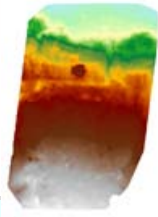
Photogrammetric processing was performed on two historic vertical aerial photographs from 1992 to produce this digital elevation model (DEM) covering the monumental core and surrounding areas of Tiwanaku. Ground sample distance – 1-m, Coverage – 550-ha