

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

University of Arkansas, Fayetteville

2010 Collection of digital aerial imagery over UA Campus

In the winter of 2010, three-band color aerial imagery was captured by Eagle Forestry Services, Inc. (Monticello, AR) over the University of Arkansas campus and surrounding areas using an Applanix DSS-439 digital sensor. This digital imagery (and appropriate metadata) was delivered to CAST and photogrammetrically processed to create a mosaicked orthoimage.

Download a sample of these images (and metadata) [here](#) and follow the workflows for photogrammetric processing in [LPS](#) or [PhotoScan Pro](#).



2010 Mosaic of Campus

2012 Senior Walk close-range photogrammetry survey

Etched in the sidewalks stretching across the UofA campus are the names of every graduate that has received his or her degree. Collectively, this is known as Senior Walk and is the longest standing tradition at the University. The oldest portions of Senior Walk extend to the east from the east-facing side of Old Main, the oldest building on campus, and were hand written (before the advent of the "Sand Hog" machine).

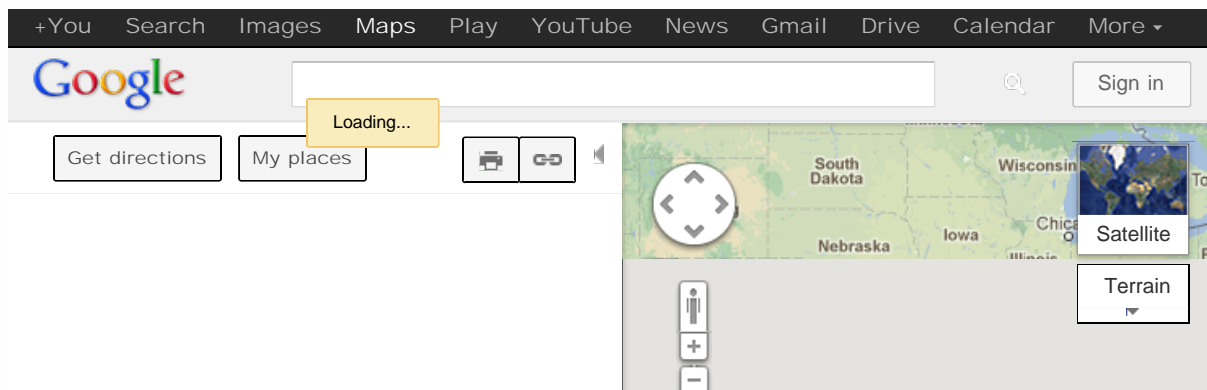
In order to document the oldest sections, high-resolution stereo photography was collected using the Canon 5D Mark II DSLR camera and a 28mm lens. The camera was mounted to a custom built wooden 'bipod' which allowed for the collection of vertical style photography from a height of ca. 2 meters. One section was documented at a time and all images were collected after sunset using two high-power strobes positioned at either end of the section (see image to right).



Senior Walk Documentation

Download a sample of these images (and metadata) [here](#) and follow the workflows for photogrammetric processing in [PhotoScan](#) or [PhotoScan Pro](#).

Mapview of the datasets.





View [this](#) in a larger map

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Credit: [Center for Advanced Spatial Technologies](#), (University of Arkansas) and [Eagle Forestry Services, Inc.](#) Monticello, Arkansas.

Longer version: Data collected on December 10, 2010 by Eagle Forestry Services, Inc. Monticello, Arkansas. Data distributed by the Center for Advanced Spatial Technologies.

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