



LaserGIS for ArcPad® Extension

User Guide for Laser GPS Offset

Introduction

LaserGIS is a toolbar extension that greatly enhances the data collection workflow by making the process quicker and easier. All ArcPad® users have a huge advantage in receiving the quickest return on their investment because LaserGIS is built on ArcPad's underlying structure.

LaserGIS simply streamlines the workflow when using an LTI TruPulse® measurement and mapping laser. The TruPulse 360 compass laser eliminates the need to occupy a feature's location and it allows you to remotely measure heights, spans and elevation just by taking a few shots.

LaserGIS expedites the process of storing the laser's positioning and measurements right into ArcPad® with fewer steps and a clear understanding and control as to how you want to manage your data collection.

LASERGIS FOR ARCPAD®

Seamless Integration.

Your laser rangefinder can now work seamlessly within your GIS software.
Laser GIS...what a concept!



The image shows a composite graphic. On the left, there is a grey box containing text. On the right, there is a yellow laser rangefinder. Below the rangefinder, there are two screenshots of the ArcPad software interface. The top screenshot shows a 'Accept measurements?' dialog box with fields for 'Hors Dist: 87.0 Feet', 'Slope Dist: 88.0 Feet', 'Azimuth: 33.4°', 'Declination: 33.2°', and 'Slope: 17.94%'. The bottom screenshot shows a toolbar with options like 'Set Reference Point by GPS Receiver', 'Set Reference Point by Point Feature', 'Set Reference Point by Map Tap', 'Set Reference Point by X,Y,Z', and 'Clear Reference Point'.



Supported Workflows

- Get length/area via a traverse (with or without GPS)
 - Timber sale, stream channel, etc.
- Offset point feature capture
 - High efficiency
 - Works with standard ArcPad maps or start from scratch
 - Raw laser data captured automatically in attributes and csv file
- Height and Diameter capture direct to attributes
 - Utility poles, forestry applications, buildings, etc.



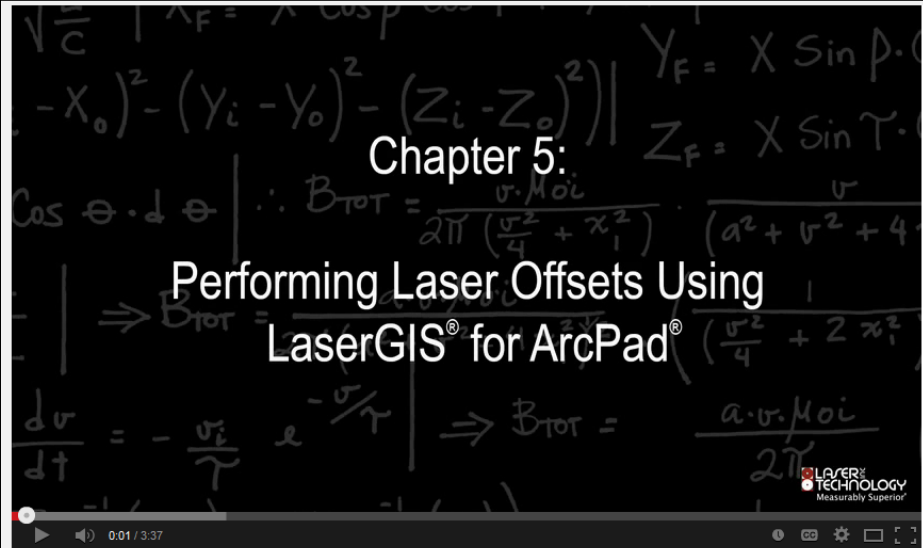
Requirements

- LaserGIS
 - LaserGIS works with ArcPad® 8 and ArcPad® 10,
 - Windows Mobile devices as well as desktop OS's (Windows XP/Vista/7).
 - WM5.0, 6.0, 6.1, 6.5, Embedded
 - It is recommended that the latest ArcPad® service packs are installed
- Laser Technology Inc. Lasers
 - TruPulse Series 200/360 models
 - Impulse series
 - Criterion RD 1000
 - Any Criterion 400 output laser.
- Data Collector:
 - Any GPS receiver that works with ArcPad® (Trimble, Magellan, Topcon, Garmin, Javad, etc.)

YouTube Training Videos

[LTI's YouTube Channel](#)

- YouTube Training [Chapter 1](#)
- YouTube Training [Chapter 2](#)
- YouTube Training [Chapter 3](#)
- YouTube Training [Chapter 4](#)
- YouTube Training [Chapter 5](#)
- YouTube Training [Chapter 6](#)
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Chapter 5:
Performing Laser Offsets Using
LaserGIS® for ArcPad®

ArcPad LaserGIS TruPulse Training 5 – Performing Offsets Using LaserGIS for ArcPad

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This Laser Technology ArcPad LaserGIS TruPulse training video will address all the steps it takes to perform a GPS laser offset through the LaserGIS for ArcPad extension. It covers how to set up a new project, activating layers and capturing reference points with and without a GPS signal. It also explains how to do the complete



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