

Leica Geosystems

Release Notes

ADS40 Ground Processing Software GPro 3.3.3

Introduction

This Document provides important information about GPro 3.3.3

- Essential updates to installation and configuration instructions.
- Facts to know. Workarounds, helpful hints and last-minute information we could not include in the documentation.

The Installation/Configuration section that follows contains important updated information which is crucial to the successful installation and operation of the software. Please read this section before trying to install or run GPro.

See the GPro User Manual for complete installation and configuration instructions.

Hardware Requirements

System	Disk Space	Memory	Operating System
Intel Pentium 4 and up	200 MB	2 GB	MS Windows XP / SP3 MS Windows 2003

Installation and Configuration

- It is recommended that you install the software in the following order:
 1. LPS 9.2
 2. ORIMA DP for LPS, version 9.2
 3. GPro 3.3.3
- Installation of GPro 3.3.3 will check the existence of suitable LPS installation in your system, including the two LPS fixes/service packs (C08041, L08062).

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Release Notes Enhancements in GPro 3.3.3:

- Speed enhancement for L1-, L2 rectifiers and minifier with using OpenMP parallelization
- Use of local proxy for rectifier for allowing to submit larger jobs
- Function for orthorectification to filter out from DEM smaller values than GPro Project min. elevation
- Add To Project update for supporting data from new FCMS and IMU versions
- Improved minifier:
 - Minifier detects empty tiles – it results with smaller image size depending on the image content
 - Minifier updates the files in GPro Flight even if started from Project
- Fix for GPS week rollover handling
- APM fixes
- Updated to work with LPS 9.2 installation libraries
- Minor bug fixes and enhancements

GPro installation on Computational Nodes for HPC

For High Performance Computing (HPC) it is required to install GPro_HPC_3.3.3.exe.

Please read the updated installation instruction in the GPro User Manual. The recommended Condor version to use is v7.0.5.

Condor downloads are available from the home page of the University of Wisconsin: <http://www.cs.wisc.edu/condor/downloads/>

Software required for HPC installation is also available at GPro download location on ftp:

<ftp://ftp.leica-geosystems.com/Outgoing/Software&Tools/GPro/Release/>

user: airborne

password: LsA36GmW

UTM projects

By definition, UTM projects can only be associated with the meters unit.

SOCET SET® export

Export function of GPro projects to SOCET SET .prj is not provided. Users would have to set up the .prj in SOCET SET and use the Import function.

Using of ORIMA for SOCET SET

In case ORIMA for SOCET SET is intended to use for the ADS40 triangulation then the Leica Geosystems' ADS40 Sensor Model for SOCET SET is required.

Concurrent processing

Attempting to create image statistics for the same image concurrently may cause errors. For example, you cannot minify the same image in multiple projects at the same time.

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Support of PRO terrain format files (Terramodeler TIN files)

.PRO files are supported within GPro. However, usage of this format is checked against an LPS ATE license. Usage of LTF (Leica Terrain Format) will mitigate the need for such license.

Support of DTH terrain format discontinued

.DTH terrain format is not further supported by LPS 9.2 and thus also not available in GPro any more.

Unattended installation

Unattended installation of GPro is not supported.