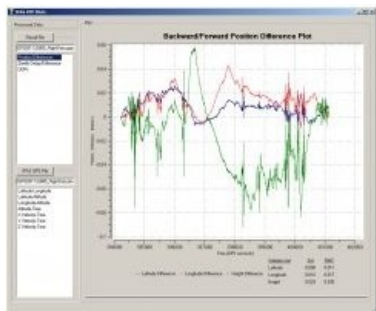


Leica IPAS PPP Post Processing Software



Leica Geosystems (Switzerland) has announced IPAS PPP, a new post processing software package within the IPAS product family. It provides high accuracy position and velocity determination using the data from a single GNSS receiver. The software provides accurate solutions for remote areas as no reference station data is required.

“Flying without ground reference stations is the opportunity we now can offer our sensor users with IPAS PPP”, describes product manager Tauno Saks. This new post processing software works with Leica Geosystems Airborne Sensors, such as the Leica ADS40-II Airborne Digital Sensor and the Leica ALS50 Airborne Laser Scanner, and is also suitable for use with other systems. High accuracy position and velocity determination is guaranteed using the data from a single GNSS receiver – no reference station data is

required to achieve accurate solutions.

Precise Point Positioning (PPP) technology

IPAS PPP uses the Precise Point Positioning (PPP) technology taking advantage of downloaded precise satellite orbit and clock corrections when post processing the trajectory of the sensor flight mission. This offers a range of advantages:

- Smooth and easy to use data flow with IPAS Pro integration
- RINEX input option for using the data from a wide range of receivers
- Automated download of the precise satellite orbit and satellite clock correction data. This provides intelligent correction selection corresponding to the flight mission time and to the data provided by multiple analysis centres
- Computes the precise position and velocity using the well proven algorithms for kinematic data processing
- Offers high solution accuracy confidence level from a set of quality validation tools
- ASCII Export option.

Typical position accuracy from IPAS PPP is 15 cm horizontal and 20 cm in height.