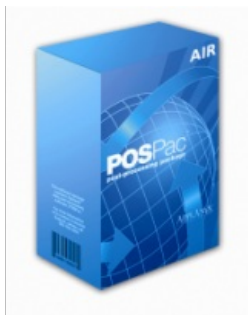# POSPac Air Software V4.4

Applanix (Canada) has introduced POSPac AIR Version 4.4, a post-processing software used to extend the accuracy potential of the POS AV system. Designed to maximise data quality and optimise workflow from project planning through to project completion, POSPac AIR 4.4 is specifically configured for the airborne environment and is compatible with a variety of aerial sensors.

New processing features include a new dual frequency single point carrier phase processing algorithm for Precise Point Positioning (PPP). PPP is a GPS processing technique that uses precise ephemeris data to help solve for the floated carrier phase ambiguities without the need for base stations. This is ideal for remote areas that do not have dense reference station coverage. Typical accuracies range from 10cm to 50cm, depending upon mission conditions.

POSPac AIR Version 4.4 also includes updated integer Glonass processing capabilities that enables both GPS and Glonass satellites to be used in Kinematic Ambiguity Resolution (KAR) for faster and more reliable fixes with cleaner trajectory processing. Glonass processing allows a user to process Glonass L1 and L2 observables along with the L1 and L2 GPS observables to produce the final integer carrier phase DGPS solution. For airborne surveying, this can provide an advantage by reducing periods of poor Dilution Of Precision (DOP), particularly at high latitudes, thereby extending the survey window for highest accuracy surveying.

POSPac AIR 4.4 is expected to be available early in the second quarter of 2007 through the Applanix sales network.

Source: Applanix

https://www.gim-international.com/content/news/pospac-air-software-v4-4