

New GNSS Receiver Option for Applanix POS AV

Applanix (Canada) has introduced a new GNSS receiver option for its airborne vehicle position and orientation system, POS AV, which fully supports both GPS and Glonass signals.

Raw data can now be logged from the receiver along with IMU data for GNSS-Aided Inertial post processing through the Applanix POSPac V4.4 software. The option will be available both in new deliveries and as an upgrade to existing POS AV V5 systems.

The new GNSS receiver option expands the POS AV capabilities so that users can take advantage of GNSS base station networks that are being upgraded to include GPS and Glonass capable receivers. The overall result is an improved operational efficiency and robustness for the direct georeferencing of airborne sensors employed for geospatial imaging, including Lidar, SAR, and digital or film cameras.

Processing of signals from both GPS and GLONASS satellites means faster and more reliable ambiguity fixes with cleaner trajectory processing. For airborne surveying, the extra GLONASS satellites also provide a significant advantage by decreasing periods of reduced Dilution Of Precision (DOP), particularly at high latitudes, thereby extending the window for maximum surveying accuracy.

The new GNSS receiver option for POS AV is expected to be available towards the end of the second quarter of 2007 through the Applanix sales network.

<https://www.gim-international.com/content/news/new-gnss-receiver-option-for-applanix-pos-av>
