

Leica IPAS Freebird

Cut Corners. Not Quality.

NEW!



Leica IPAS Freebird – Improves flight economy and simplifies GNSS-IMU processing

Leica IPAS Freebird, the new generation of Leica Geosystems' leading IPAS GNSS-IMU processing software, sets new standards in efficient data acquisition and accurate image georeferencing.

Economize your data acquisition by allowing tighter turns

Leica IPAS Freebird no longer requires a continuous lock of satellites. Leica IPAS Freebird frees up your mission planning because it allows much tighter turns between flight lines. The results are up to 25% improvement in flight economy for sensor missions and several minutes of time savings per turn.

Simplified GNSS-IMU processing in one step

Leica IPAS Freebird offers the easiest way to achieve accurate image georeferencing by using GNSS raw measurements and tightly coupled GNSS-IMU processing in one step.

Leica IPAS Freebird not only saves you time, it really saves you money.

And best of all: it comes standard with all Leica Geosystems imaging and LIDAR sensor systems.

- when it has to be **right**

Leica
Geosystems

Leica IPAS Freebird

Better flight economy – fast GNSS-IMU processing

Leica IPAS Freebird economizes your data acquisition by allowing tighter turns!

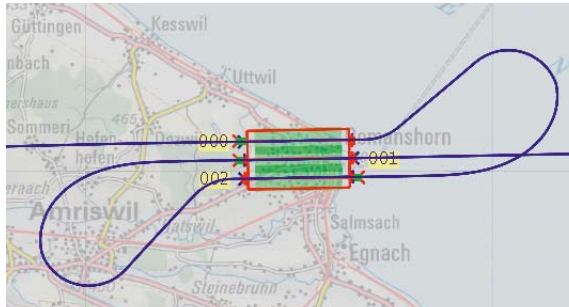


Fig. 1: Flight without Leica IPAS Freebird.

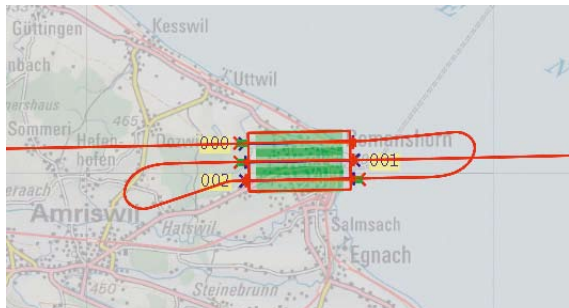


Fig. 2: Flight with Leica IPAS Freebird.

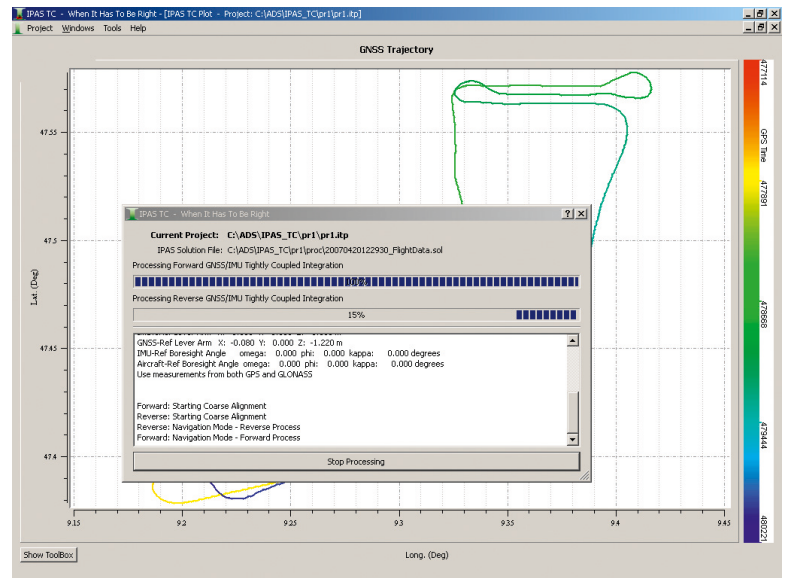
User Benefits

- Up to 25% improvement in flight economy for sensor missions
- Allows sharper turns between the flight lines – does not require continuous lock of satellites
- Saves several minutes of time per turn
- Does not require the separate step of GNSS trajectory processing
- GNSS-IMU post processing is simplified and faster
- Precise Point Positioning – solutions without GNSS base station data
- Upgrade path available for older systems
- Standard with all new Leica Geosystems imaging and LIDAR platforms

Leica IPAS Freebird allows you to put together one and one – simplified GNSS-IMU processing in one step!

Previously, GNSS-IMU processing for accurate image georeferencing required two steps: In a first step, GNSS trajectory was processed using GrafNav/GrafNet software. This required a continuous lock of 5 or more satellites. In a second step, IPAS Pro blended the trajectory with the IMU data.

Now, the all new Leica IPAS Freebird with IPAS TC allows you to combine those steps into one by using GNSS raw measurements and tightly coupled GNSS-IMU processing.



Total Quality Management – our commitment to total customer satisfaction.

Ask your local Leica Geosystems dealer for more information about our TQM program.

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