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THE EFFECT OF DIFFERENT GNSS SOLUTIONS ON THE ORIENTATION ACCURACY

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Keywords: Digital Aerial Camera, GPS\IMU, Direct Sensor Orientation,

Abstract. Direct sensor orientation or direct georeferencing is the solution of exte
 GNSS\IMU data without ground control points. Accuracy of the system is based on GN
 The integrated system containing DGNSS and IMU calculates the approximate exteri
 flight. The exterior orientation accuracy is based on GNSS and IMU accuracy. In thi
 network and PPP GNSS data processes without ground control point on the accuracy
 evaluated. The area of the test region is approximately 1296 km². 393 images with
 study. It was calculated that single point solution horizontal accuracies are (XY) ± 2
 40cm, network solution horizontal accuracies are (X-Y) ± 24-27 cm, vertical accura
 horizontal accuracies are (X-Y) ± 20– 28 cm, vertical accuracy i

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