

Digital Aerial Imagery Quality Assurance in the United States: A Progress Report

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Since 1973 the US Geological Survey (USGS) has provided aerial camera calibration services for aerial film cameras in the United States. In 2000 a special panel of the American Society of Photogrammetry and Remote Sensing (ASPRS) recommended that the USGS take the additional responsibility for developing standards for quality and calibration of digital aerial sensors.

The USGS is now developing a Quality Assurance program for digital aerial imagery for use in the United States. This program includes research in to the performance of digital aerial sensors, methods for calibration, and understanding issues that affect the quality and usability of the final products. The USGS, in coordination with other US federal agencies, is initiating a comprehensive quality assurance plan for digital aerial imagery that addresses quality issues throughout the entire procurement cycle for digital aerial imagery.

This presentation will describe the foundation for these efforts, the progress that has been made to date, and future plans. We will also discuss areas for further research and opportunities for collaboration with the international community.

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