

Supporting Remote Sensing Research with Small Unmanned Aerial Systems

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We describe several remote sensing research projects supported with Small Unmanned Aerial Systems (sUAS) operated by NGA's Basic and Applied Research Office. The sUAS collections provide data supporting SBIR, NURI, and CRADA efforts in addition to in-house research. Some preliminary results related to 3D EO point clouds are presented, and some research goals discussed. Additional details related to the autonomous operational mode of both our multi-rotor and fixed wing sUAS platforms are presented.