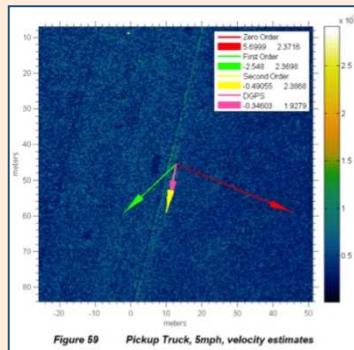


Miniaturized Synthetic Aperture Radar (MiniSAR)

Research

Multiple LDRD Projects FY2000-FY2011

Development of MiniSAR technologies



Data-driven algorithm prediction of velocity (yellow) comparable to Differential GPS (LDRD)



Components of Sandia's MiniSAR (LDRD)

Development



MiniSAR on the LM Sky Spirit Unmanned Aerial Vehicle (UAV). (Funding provided by Lockheed Martin Corp.)



MiniSAR Image—Baseball diamond on Kirtland Air Force Base in New Mexico.

Mission Impact

MiniSAR provides tactical eyes for the warfighter and actionable intelligence for the decision maker.



MiniSAR Applications

- Intelligence
- Surveillance
- Counter-IED ISR
- Nonproliferation
- Damage assessment
- Search & rescue
- Environmental monitoring



MiniSAR onboard Lunar Reconnaissance Orbiter