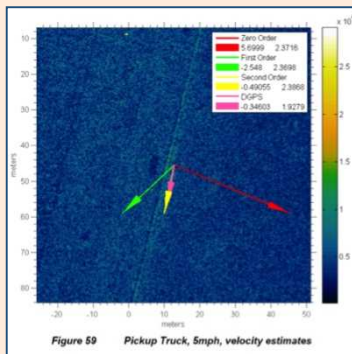


# Miniaturized Synthetic Aperture Radar (MiniSAR)

## 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