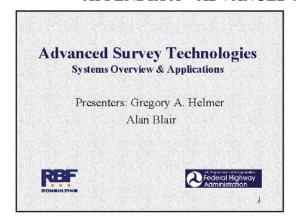
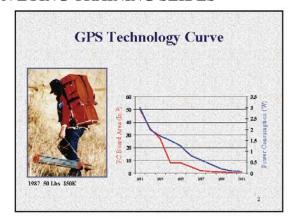
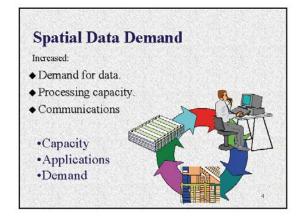
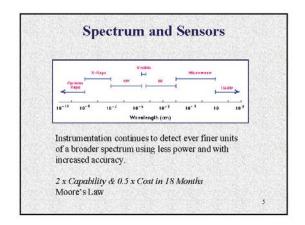
APPENDIX A – ADVANCED SURVEYING TRAINING SLIDES

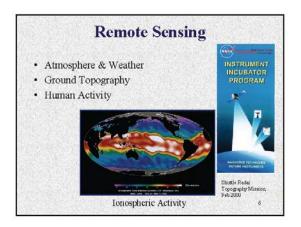


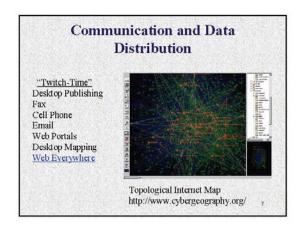






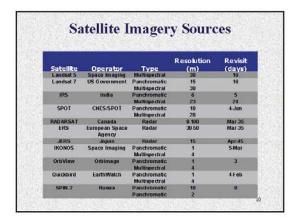


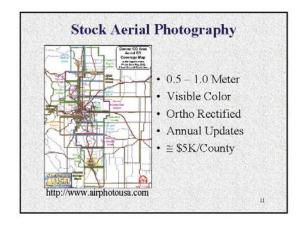


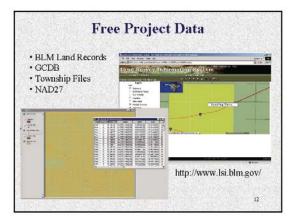


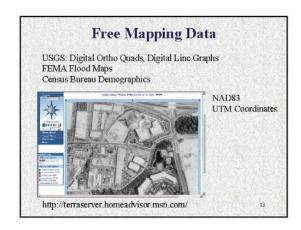


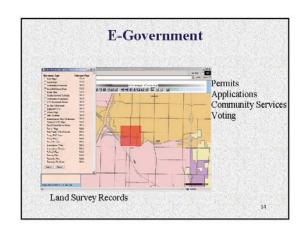


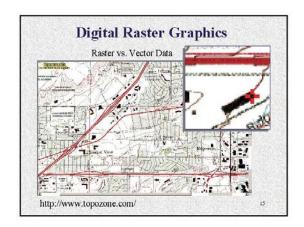


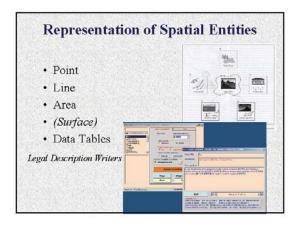


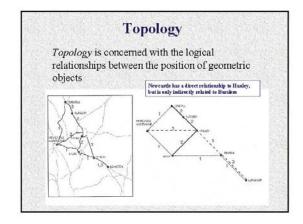


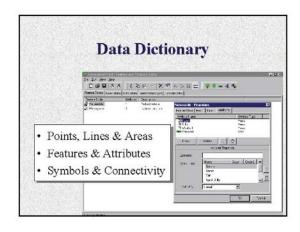


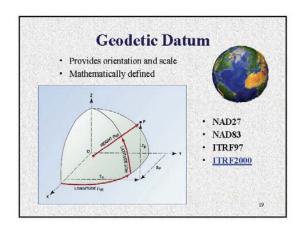


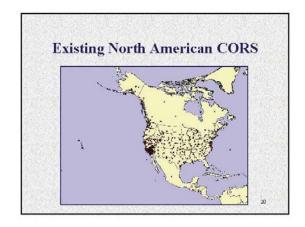


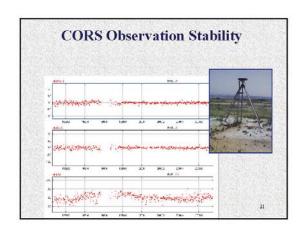


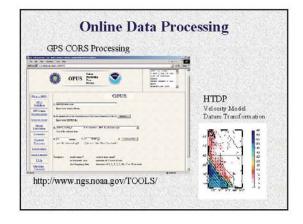


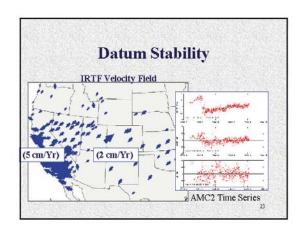


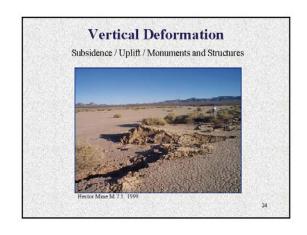


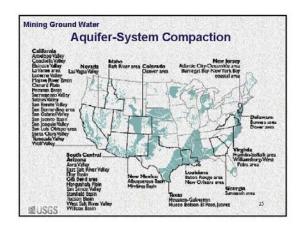


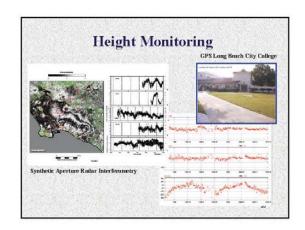


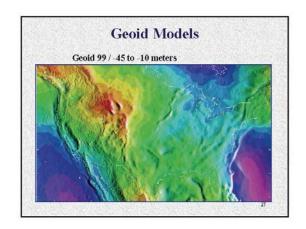


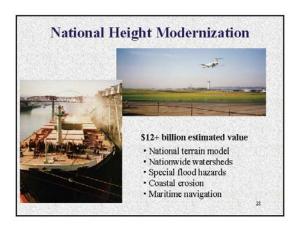


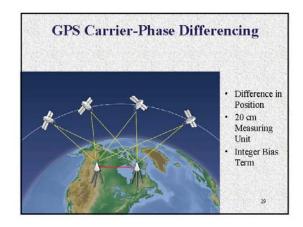


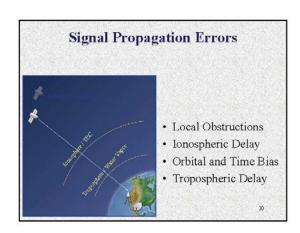


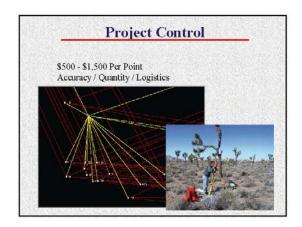


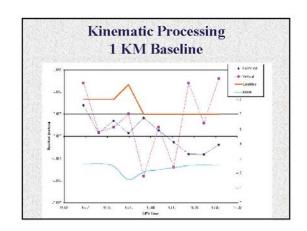


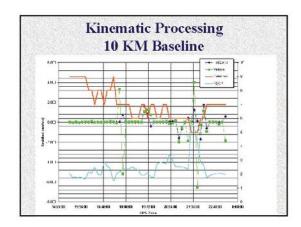


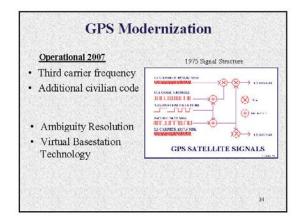


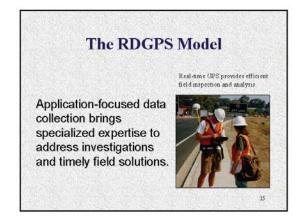


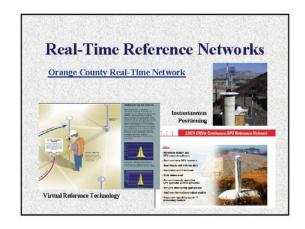


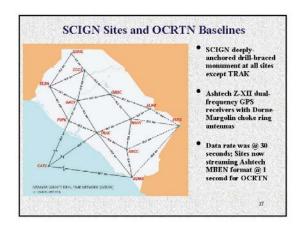


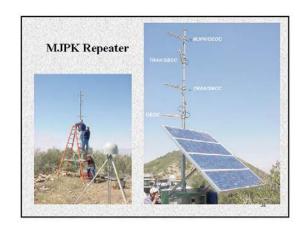




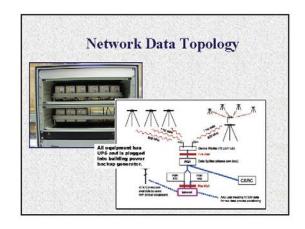




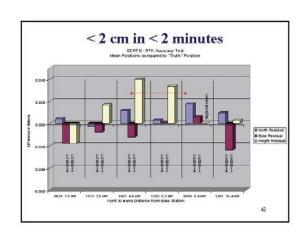


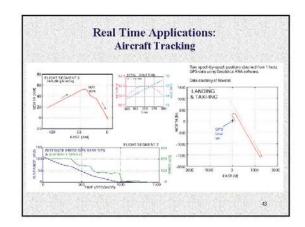


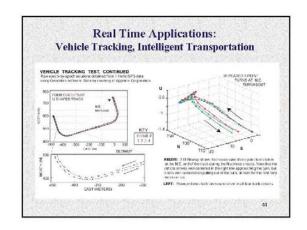




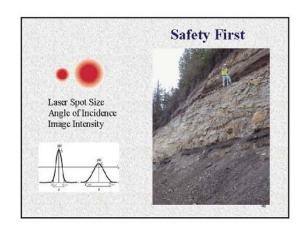




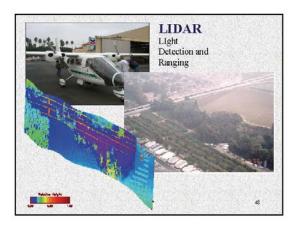


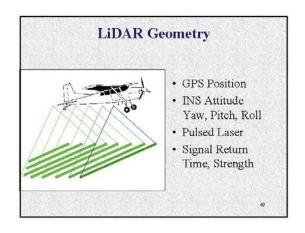


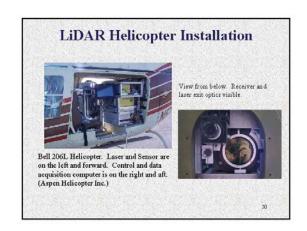




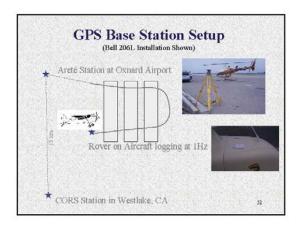


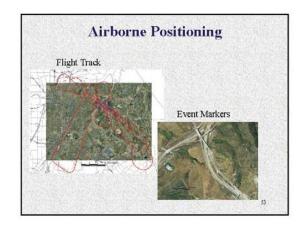


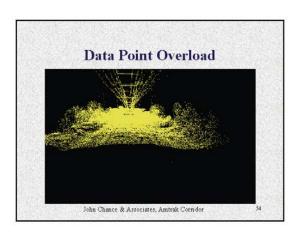


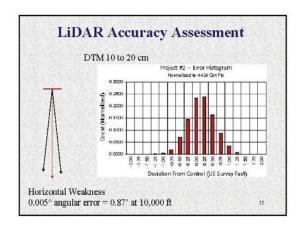


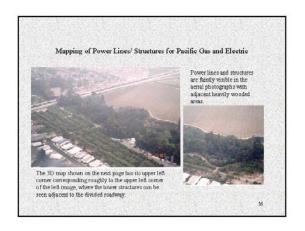


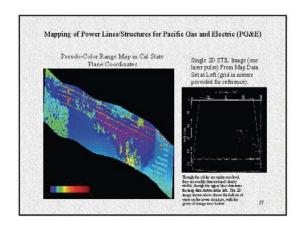


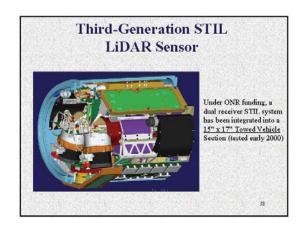












IFSAR Interferometric Synthetic Aperture Radar · Two X-band radar antenna mounted in a LearJet 36A (or Satellite) · Utilizes post-processed differential GPS and laser-based inertial measurement unit · Flown at 12 Km acquires 10 Km swath

· Designed to collect <1meter accuracy DEM

at a rate of 100Km² per minute

Interferometric Synthetic Aperture Radar IFSAR - Light Detection and Ranging Comparrison Lidar IFSAR Parameters Sensor Type Laser DEM Spacing 5-10 Meters 0.5 -3 Meters Vertical Accuracy 0.6 - 1.5 meters 6cm and up Typical Cost \$11 - \$80 Km^2 \$225 - \$1,500 Km^2

