

Enhancing ArcGIS Desktop Analysis: Satellites, Sensors & Communication Systems

Marc Simmons

Common operating picture



- Elements of mission planning crucial to having a battlespace visualization
- Need for analysis whether web enabled or in stand alone mode
- Analysis available within an enterprise architecture

Application areas



- Satellite analysis
 - Line of sight analysis
 - Imaging opportunities
 - Communications availability
- Sensor modeling
 - Swath or footprint analysis
- Communications analysis
 - Link availability
 - Transmission durations

AGI technology basics





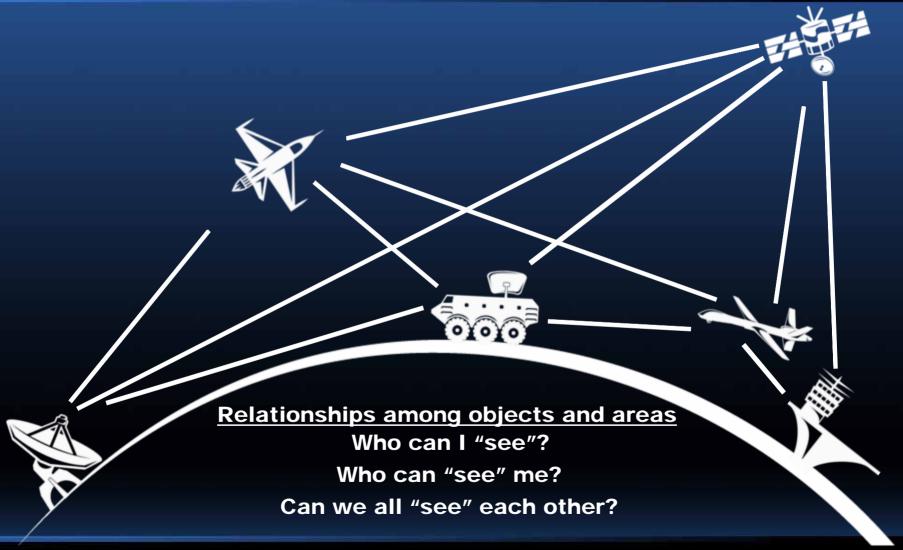




Temporal position and attitude
Where am I now?
Where will I be?
How am I oriented?

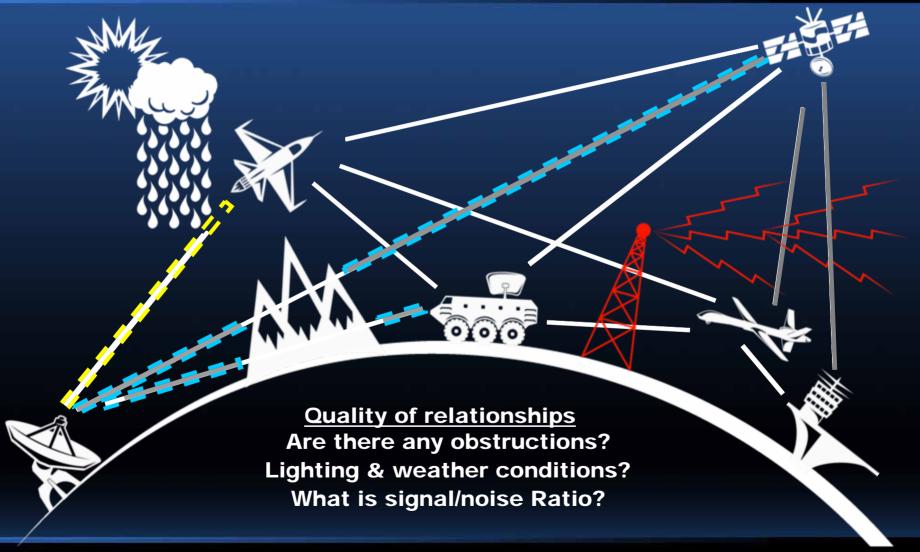
AGI technology basics





AGI technology basics

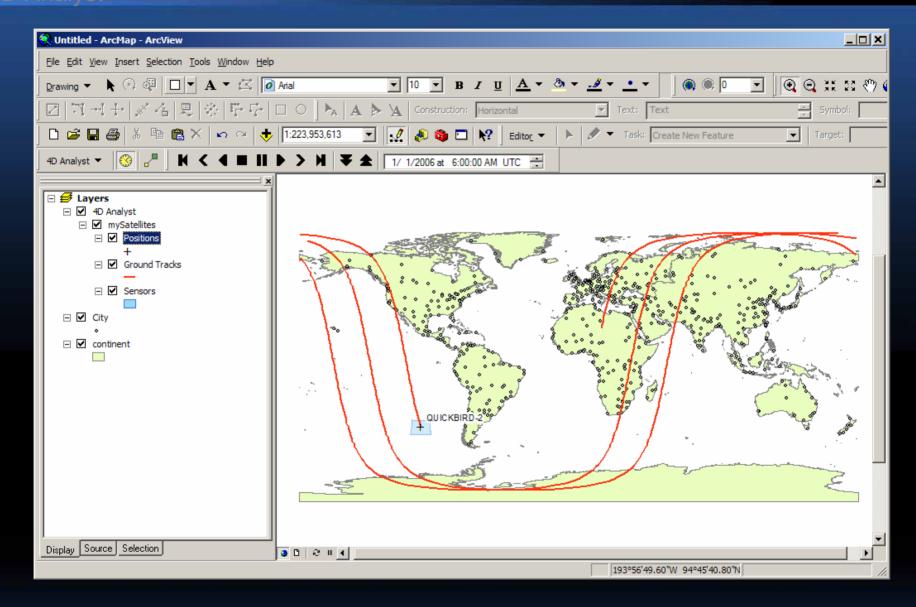




Case Study



- Integration of satellite and sensor data into the ArcGIS desktop
- Government agency would like to know imaging opportunities for commercial satellite
- Satellite ground track buffered for further analysis



Questions?



 Further information email 4DAnalyst@agi.com

Marc Simmons
 AGI Product Management
 msimmons@agi.com