



ESRI Federal UC

Integration of Capabilities to Provide a Truly "Common"
Operational Picture



Enhancing ArcGIS Desktop Analysis: Satellites, Sensors, & Communications Systems

Marc Simmons



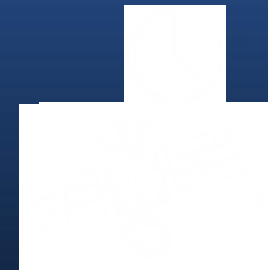
Common operating picture

- Elements of mission planning crucial to having a battlespace visualization
- Need for analysis whether Web-enabled or in standalone 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



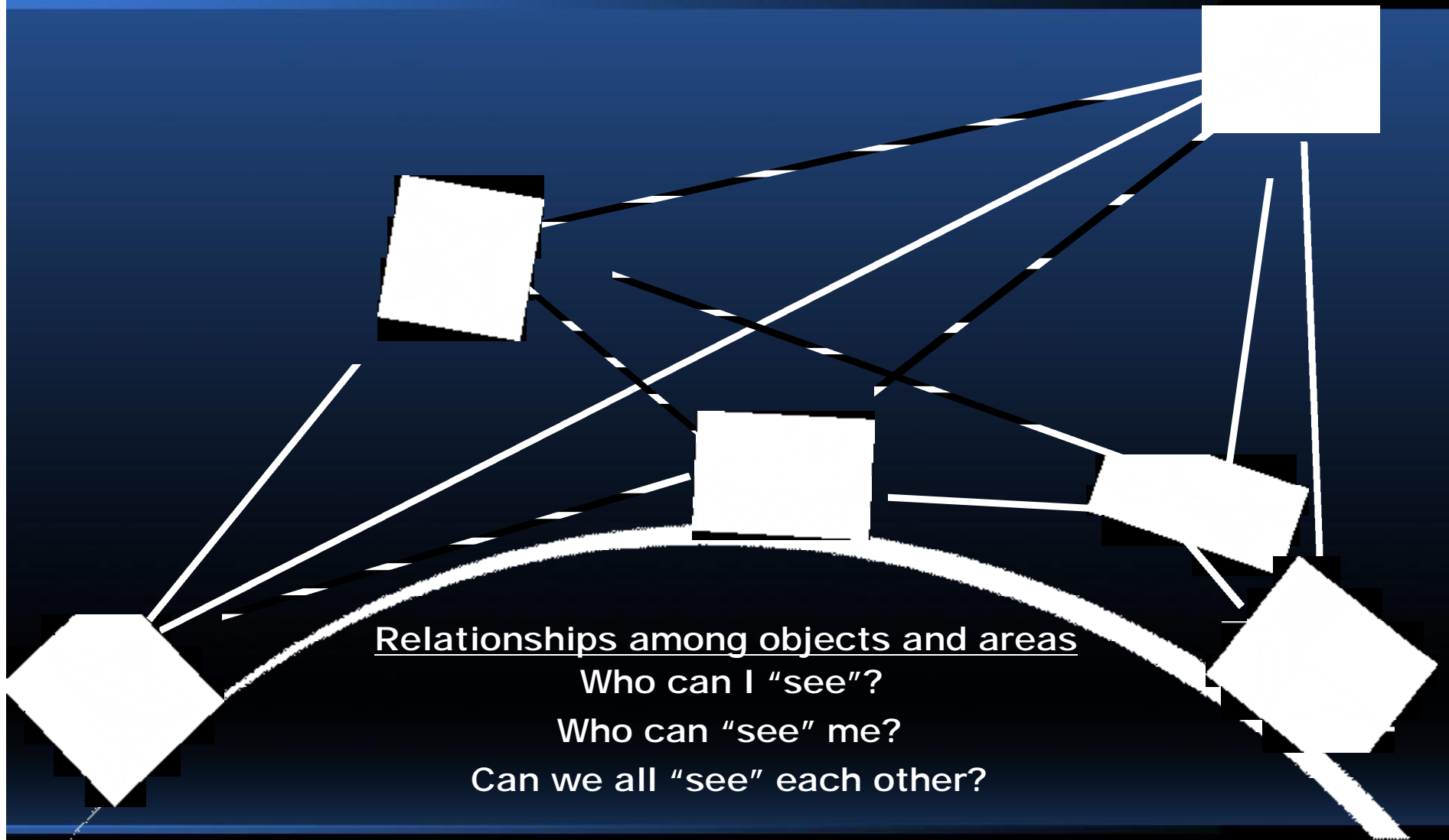
Temporal position and attitude

Where am I now?

Where will I be?

How am I oriented?

AGI technology basics



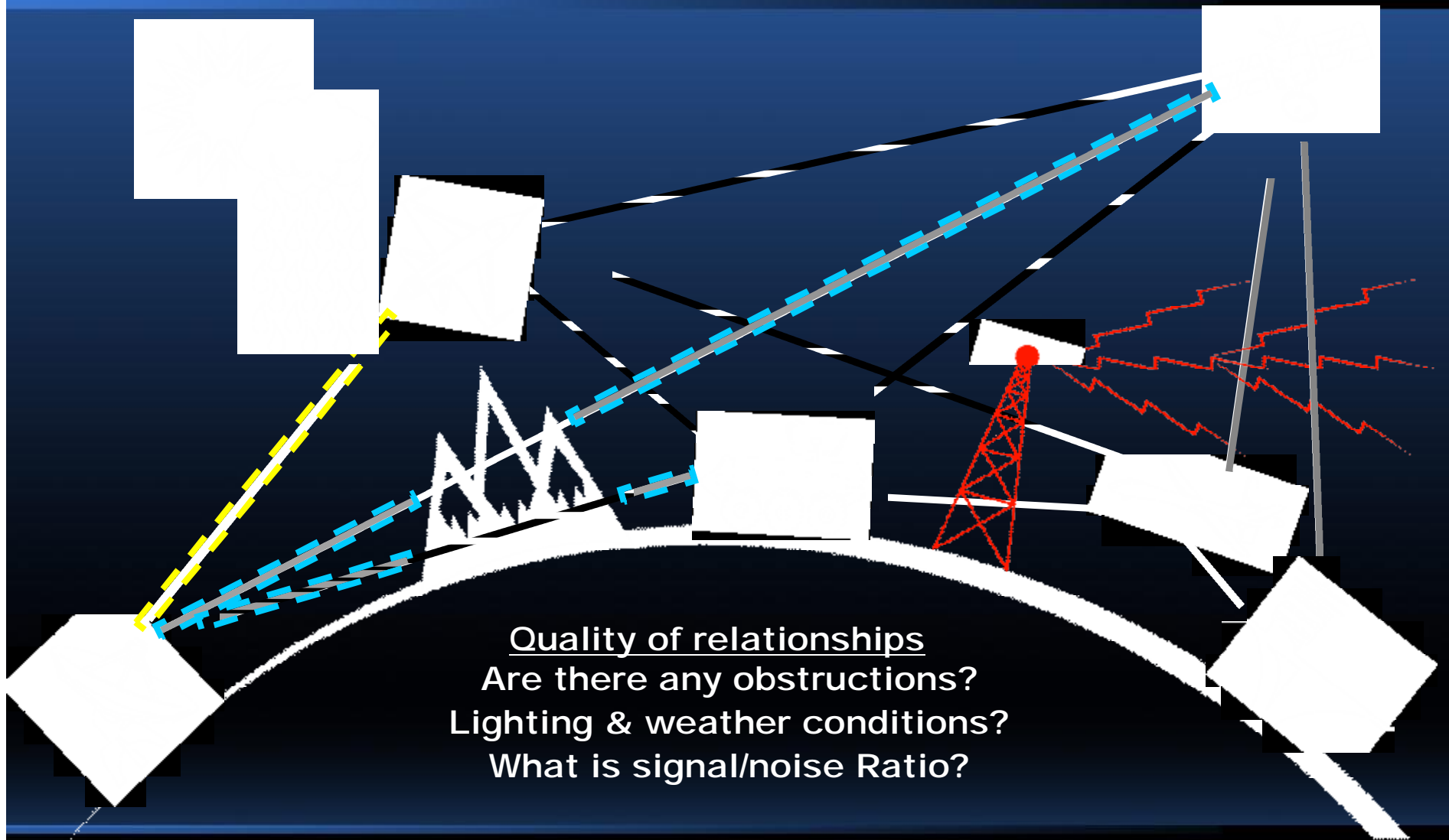
Relationships among objects and areas

Who can I "see"?

Who can "see" me?

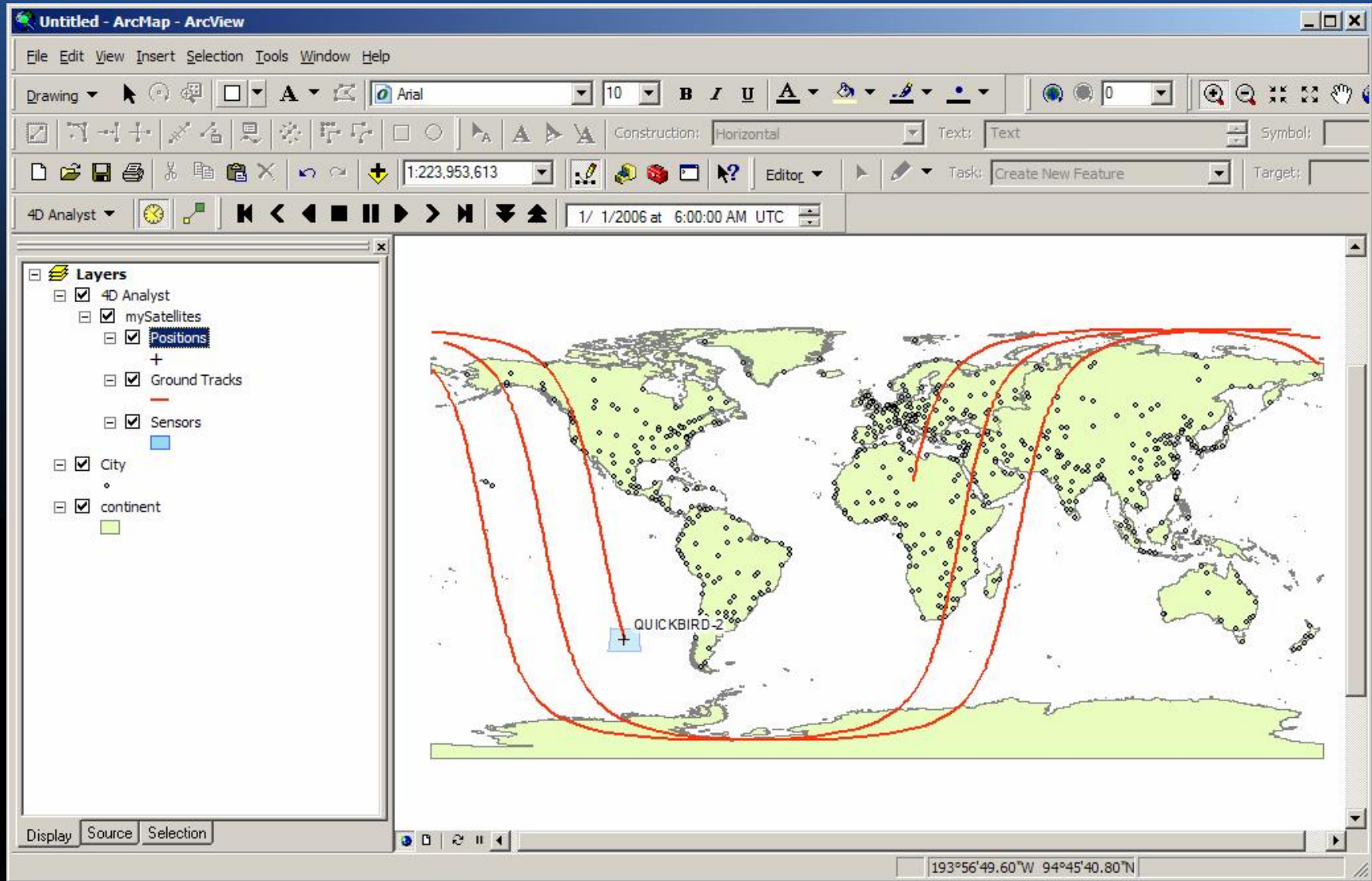
Can we all "see" each other?

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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, e-mail
4DAnalyst@agi.com
- Marc Simmons
AGI Product Management
msimmons@agi.com