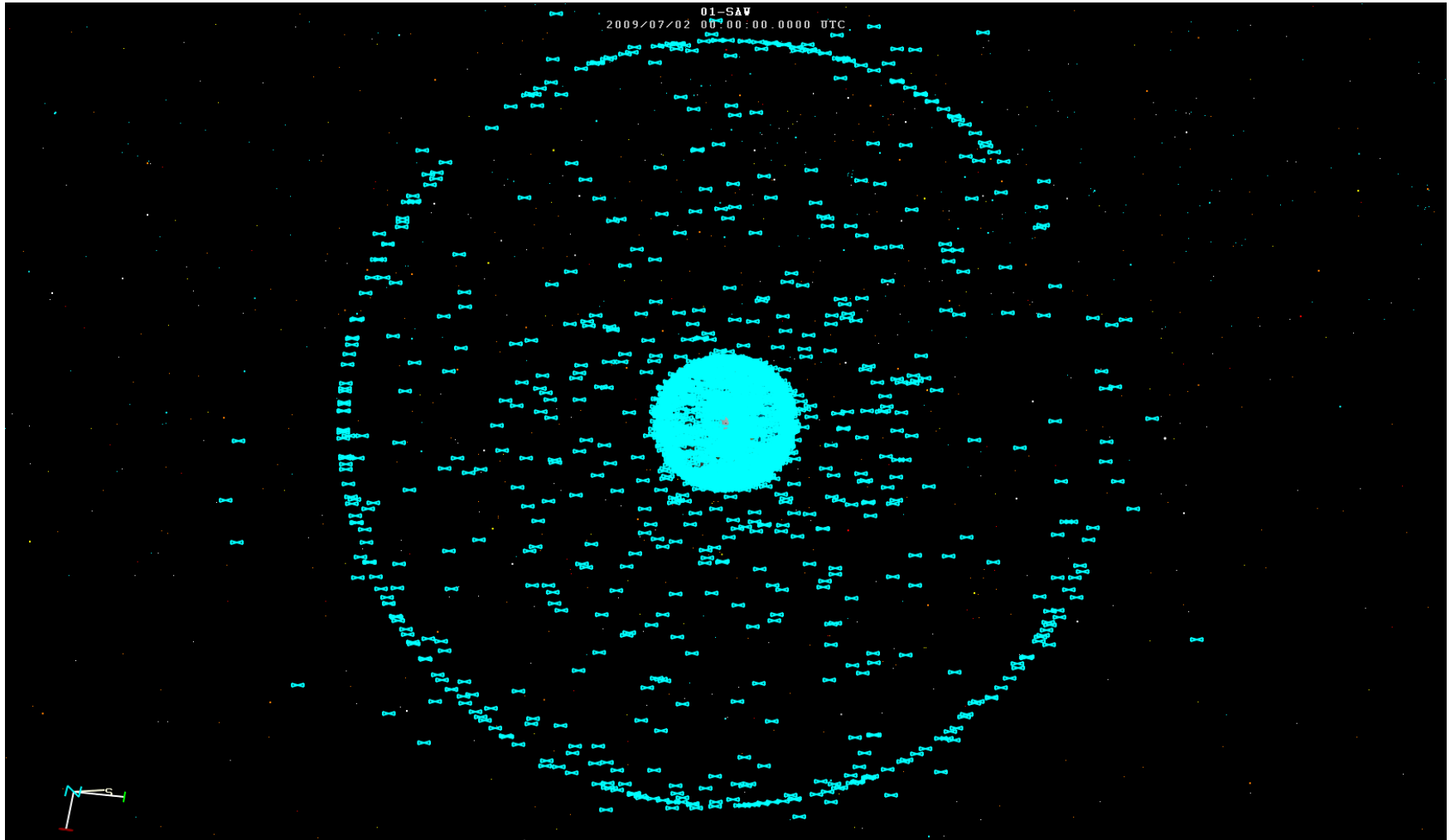


Space Policy Issues

- Space Choke Points -

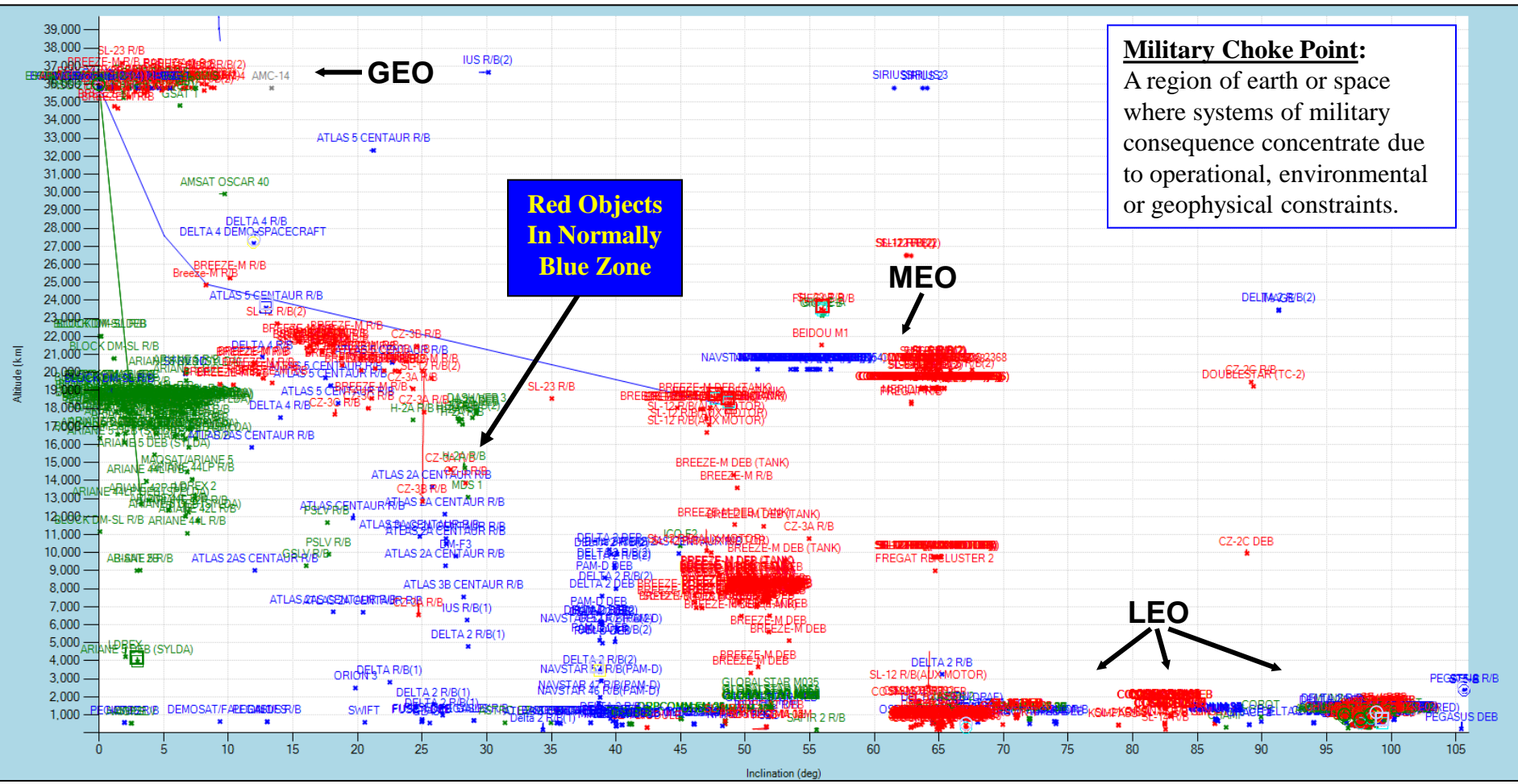
12 December, 2012

Traditional Orbital View



Satellite Attack Warning (SAW)

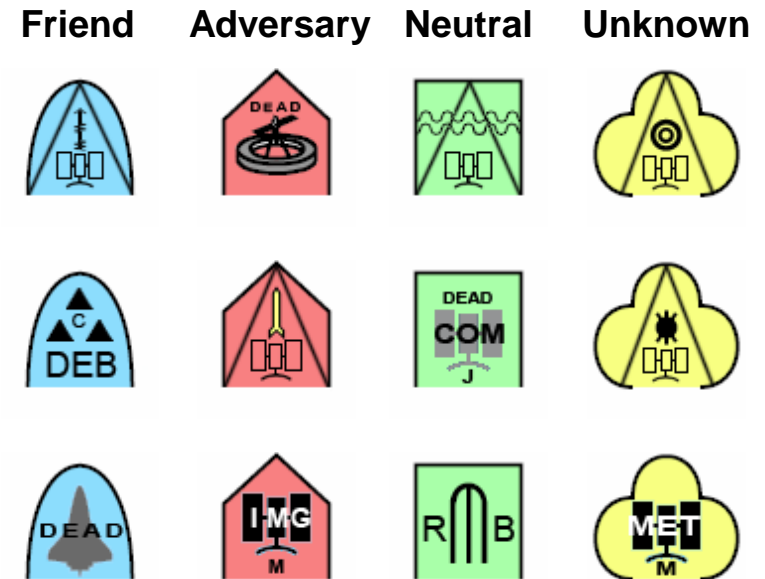
Military Choke Point:
 A region of earth or space where systems of military consequence concentrate due to operational, environmental or geophysical constraints.



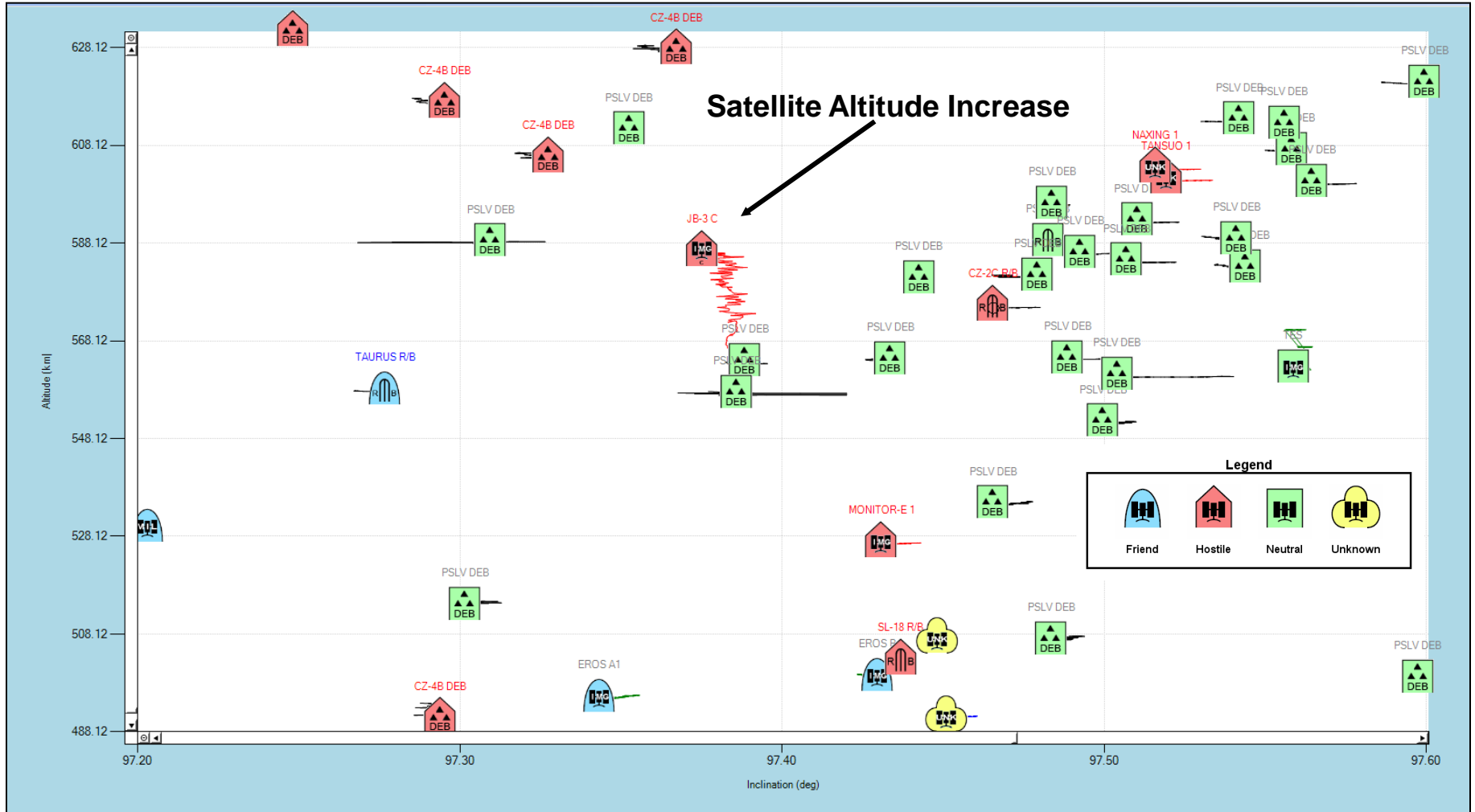
Space Has Choke Points As In Terrestrial Systems – They Just Are Not Stationary

SAW – Icons

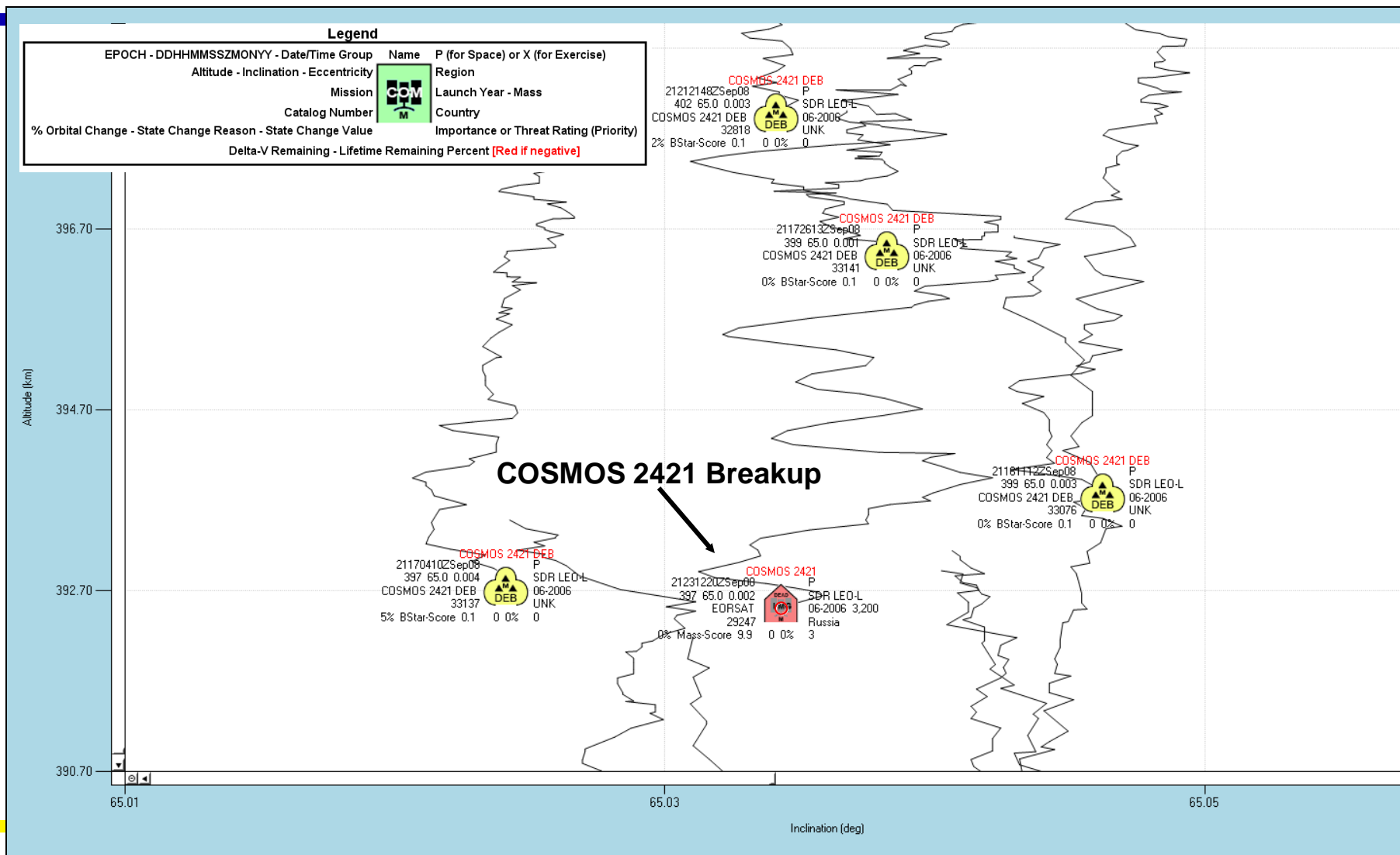
- Based on Mil-Std-2525B
- 220 New Space Icons



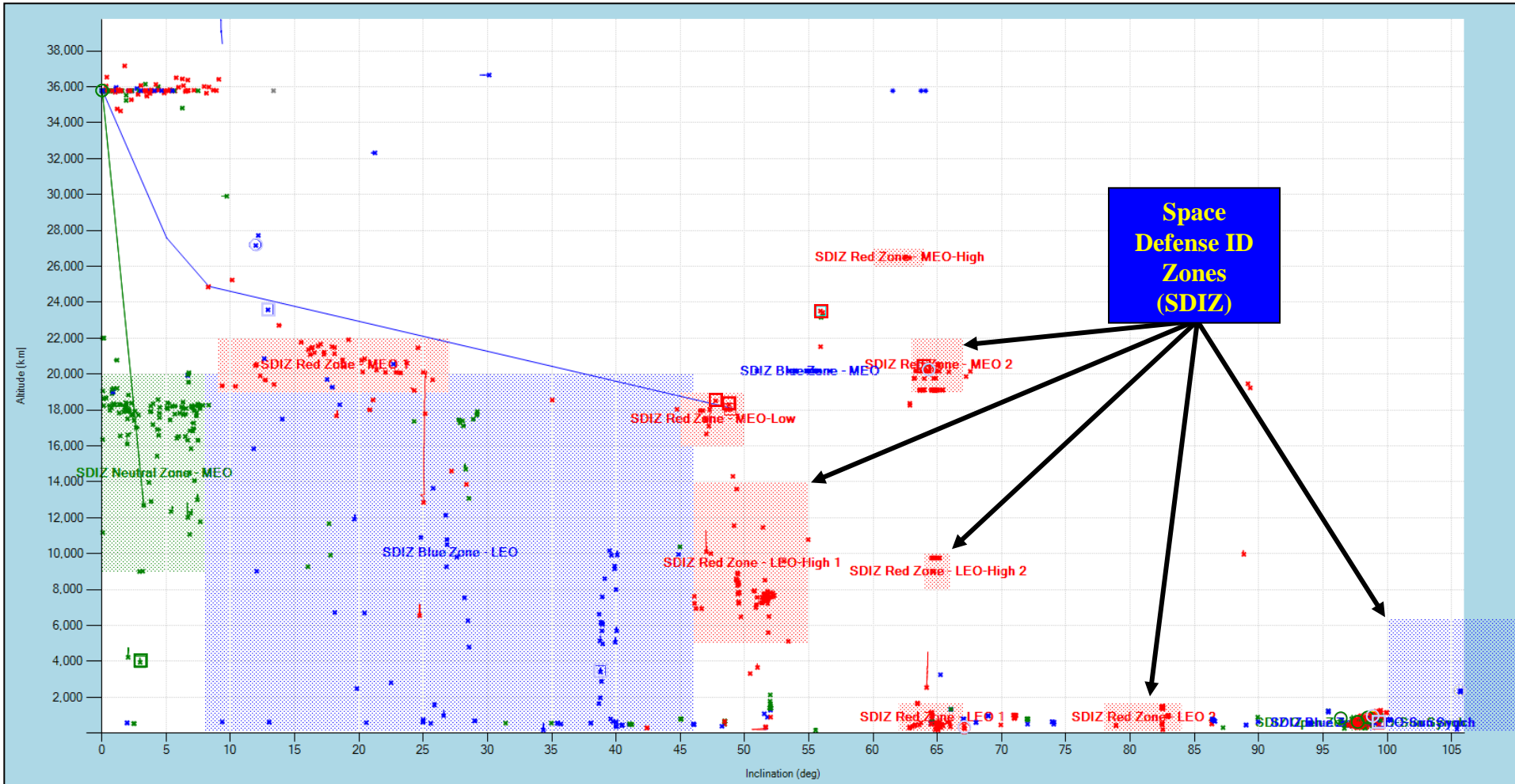
SAW – View 1



SAW – View 2

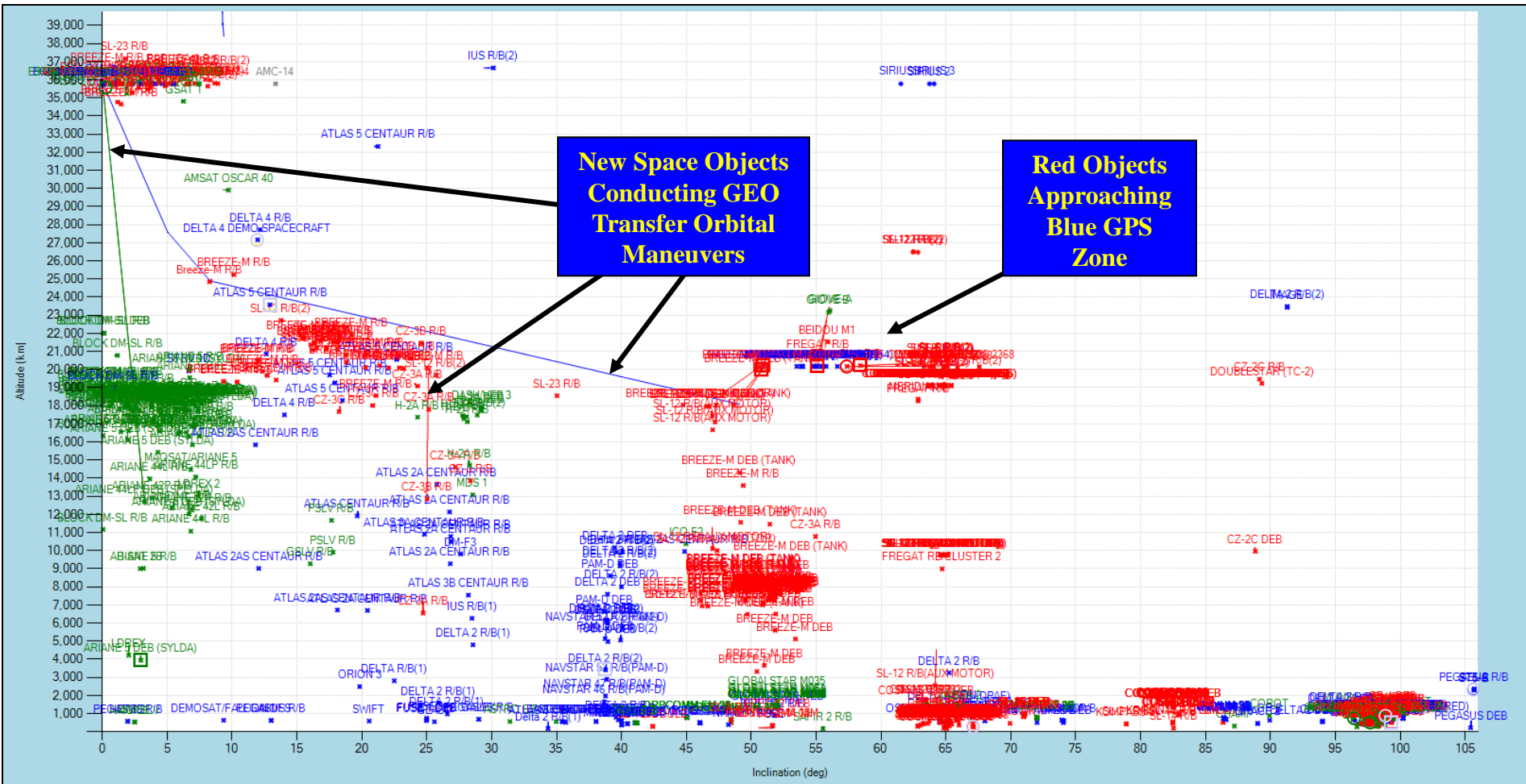


SAW – SDIZ

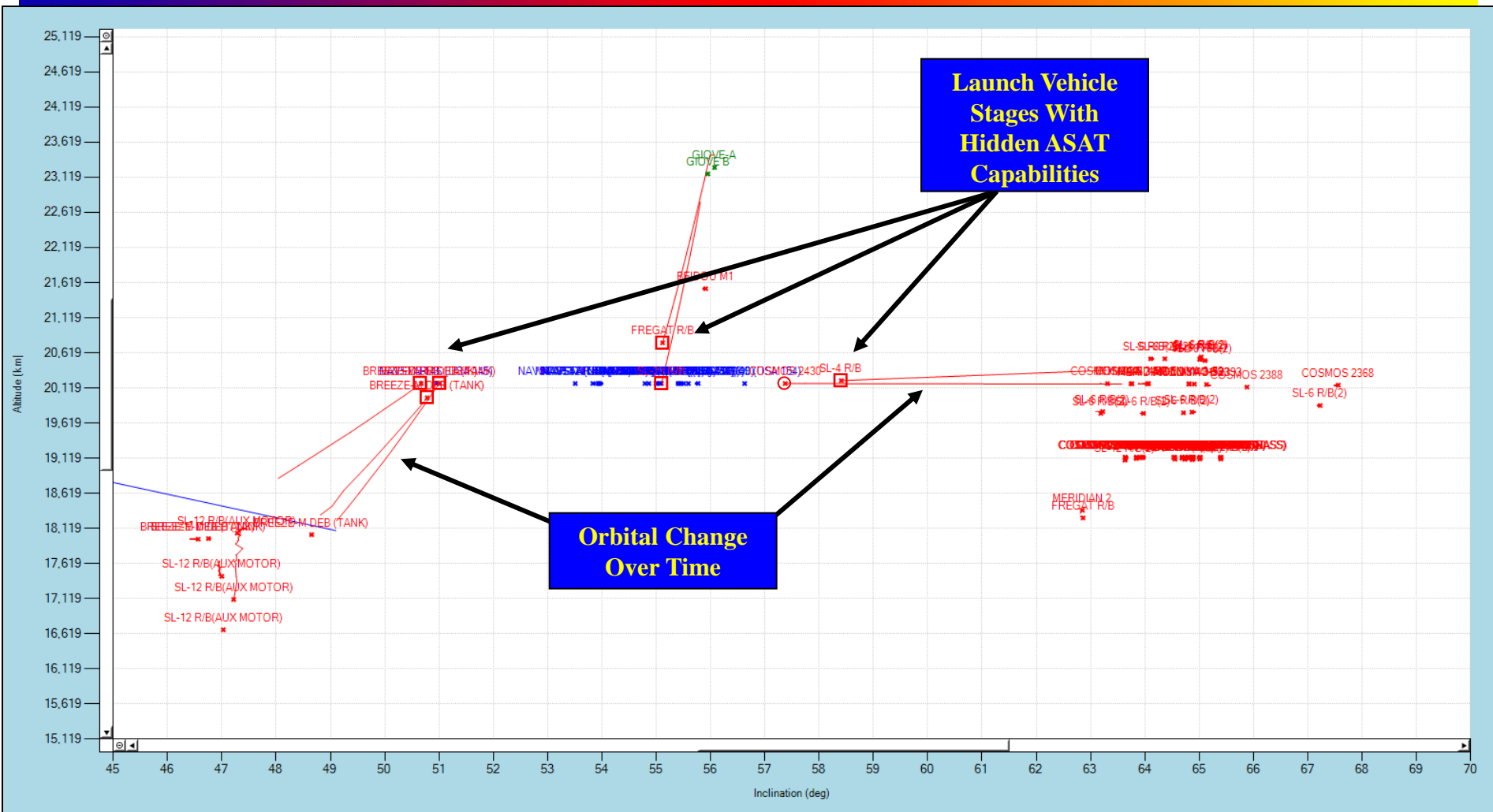


SSA Detection Zones Help Partial Out Operational Responsibility

SAW – Simulated Attack Against GPS

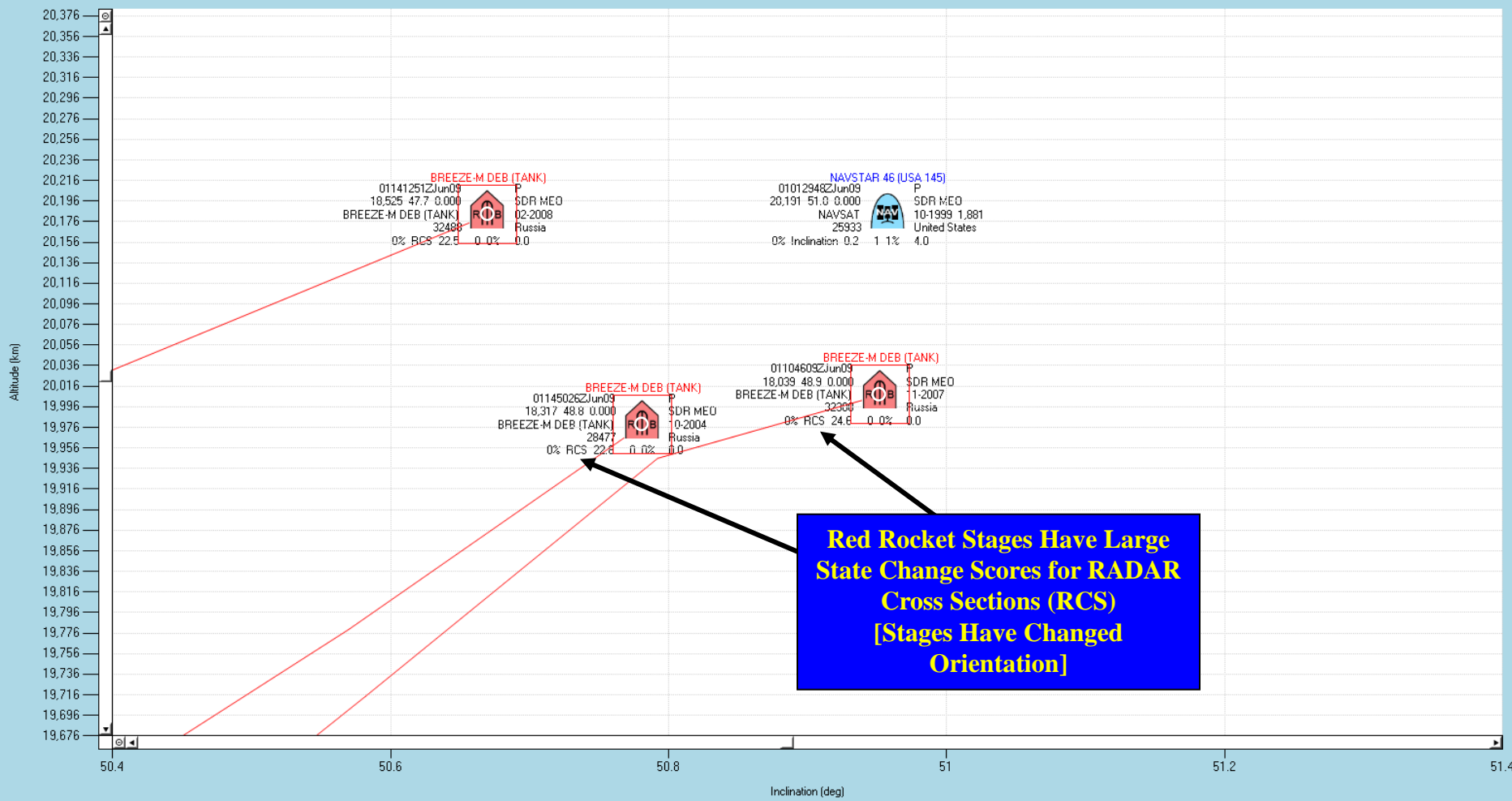


SAW – “Dead” Stages as Anti-Satellites (ASATS)



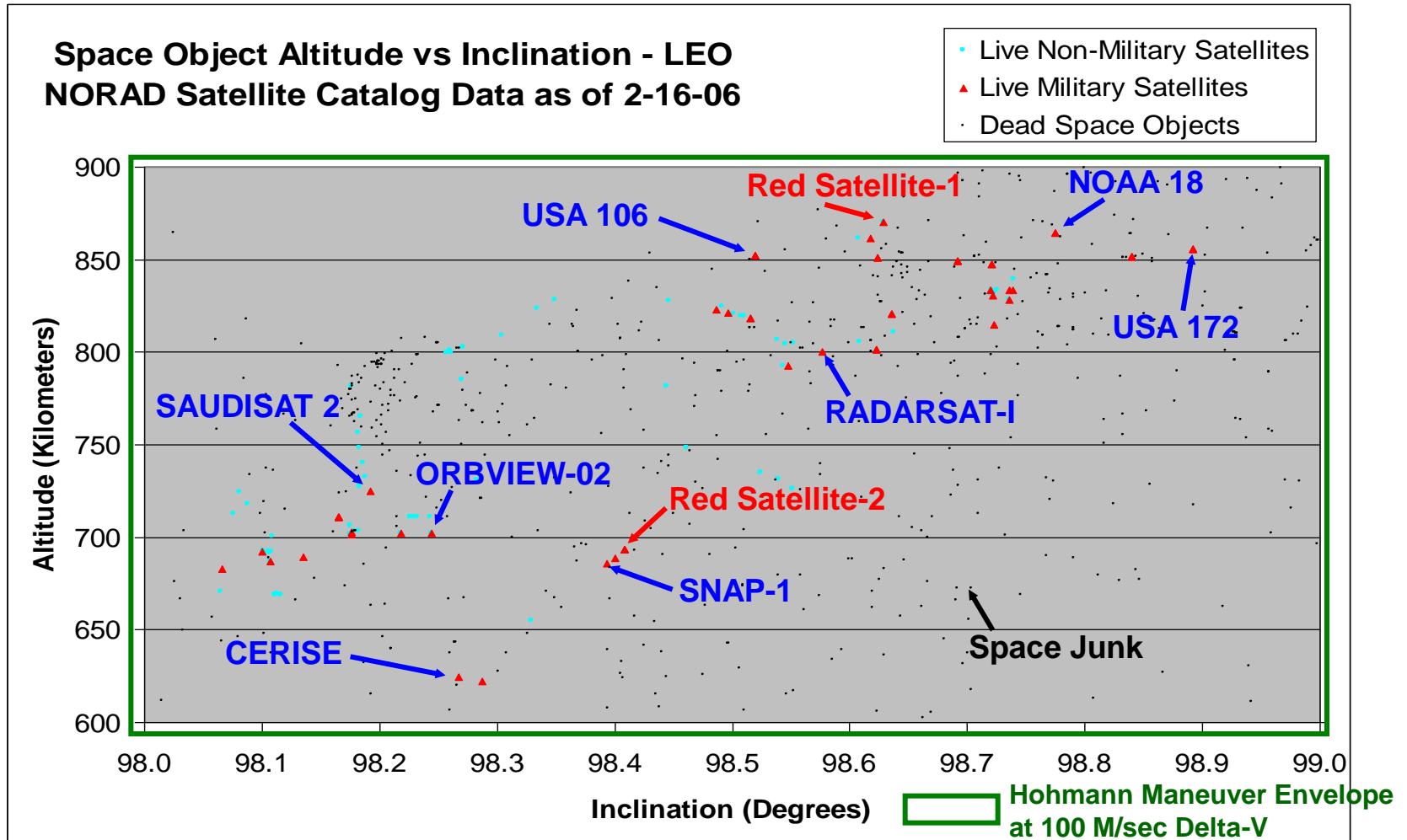
Simultaneous Attack Maneuvers Can Easily be Detected

SAW – Multiple Attacks Against One GPS

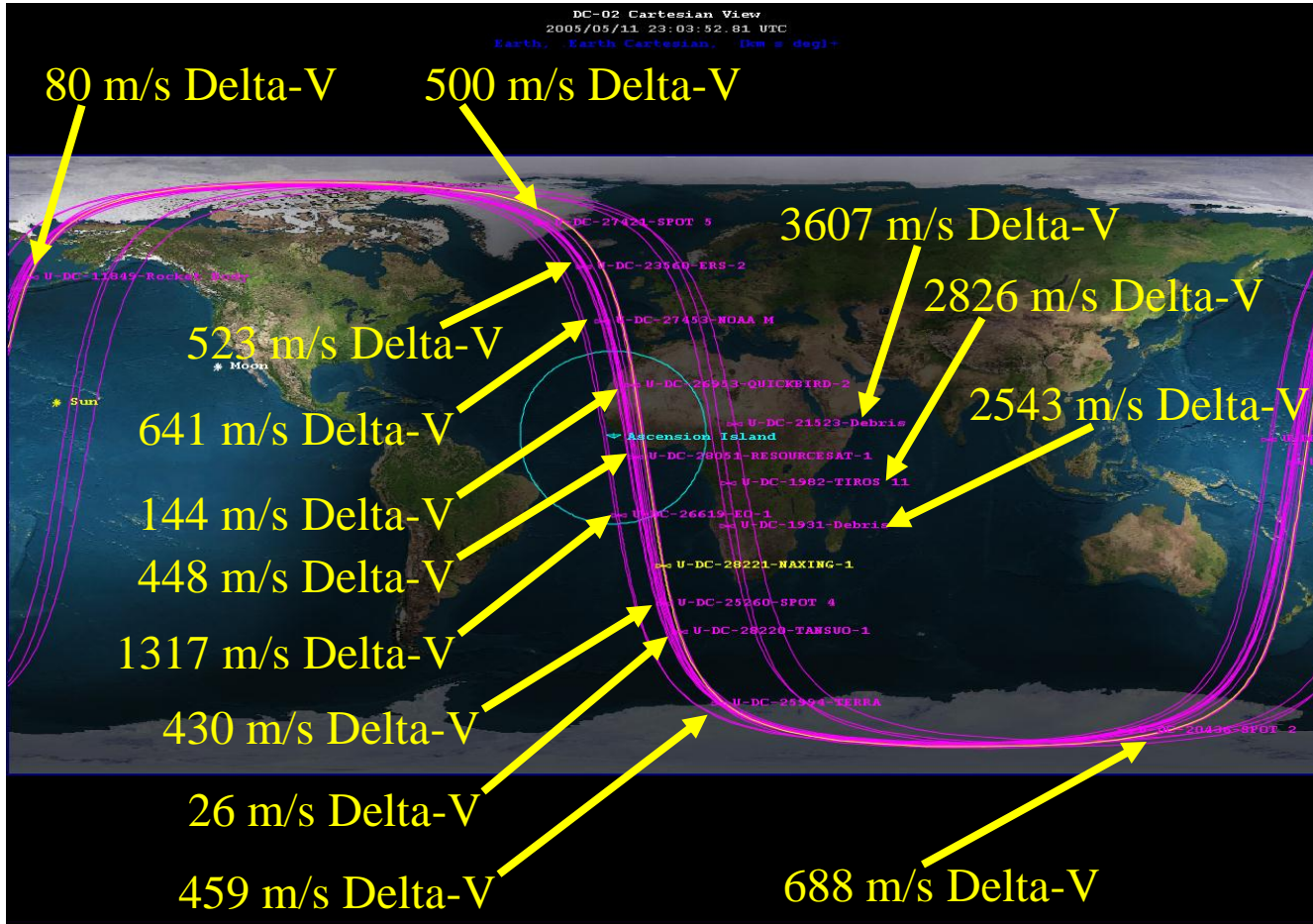


Space Objects Playing Dead Can be Detected With Unusual Movements

Space Choke Points



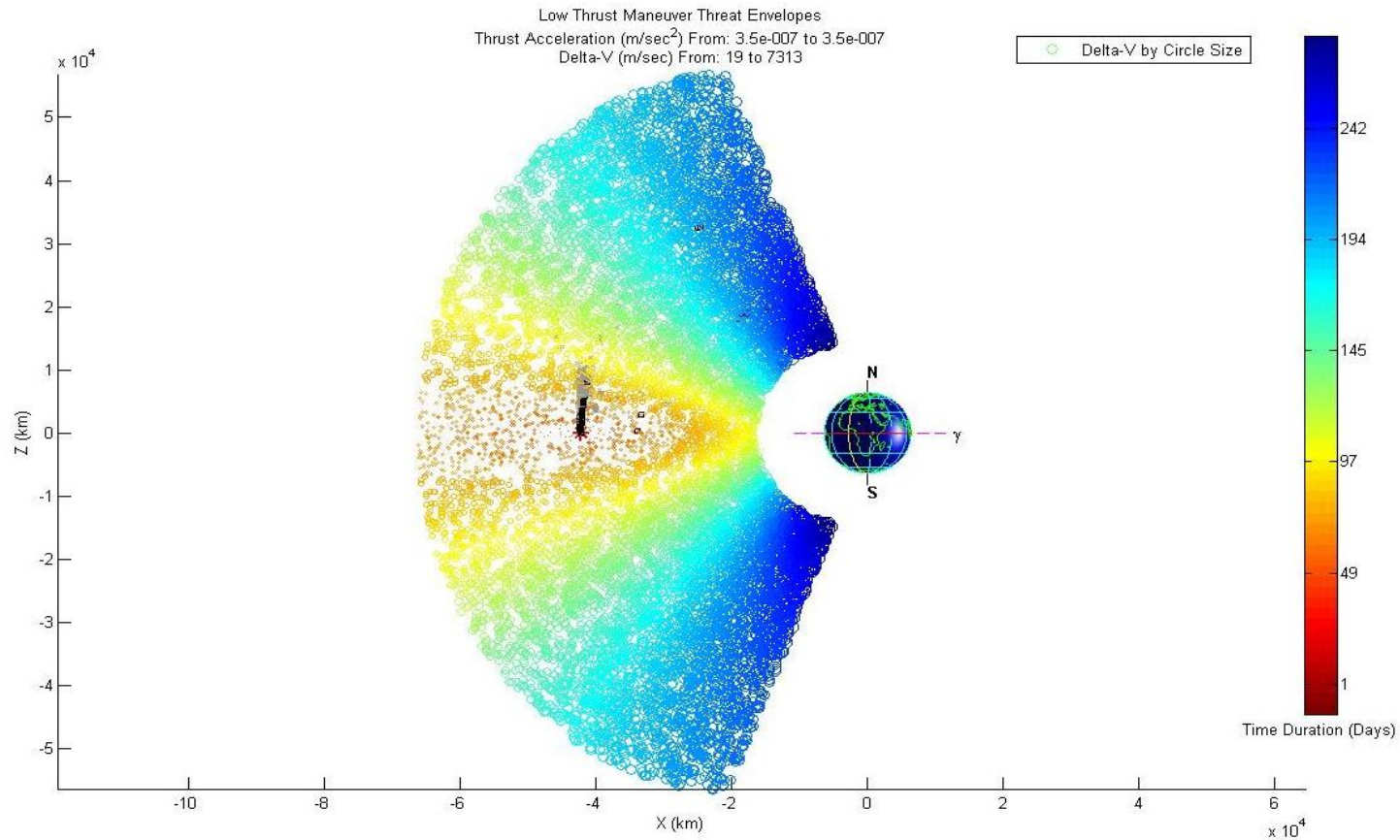
Sun-Synchronous Choke Points



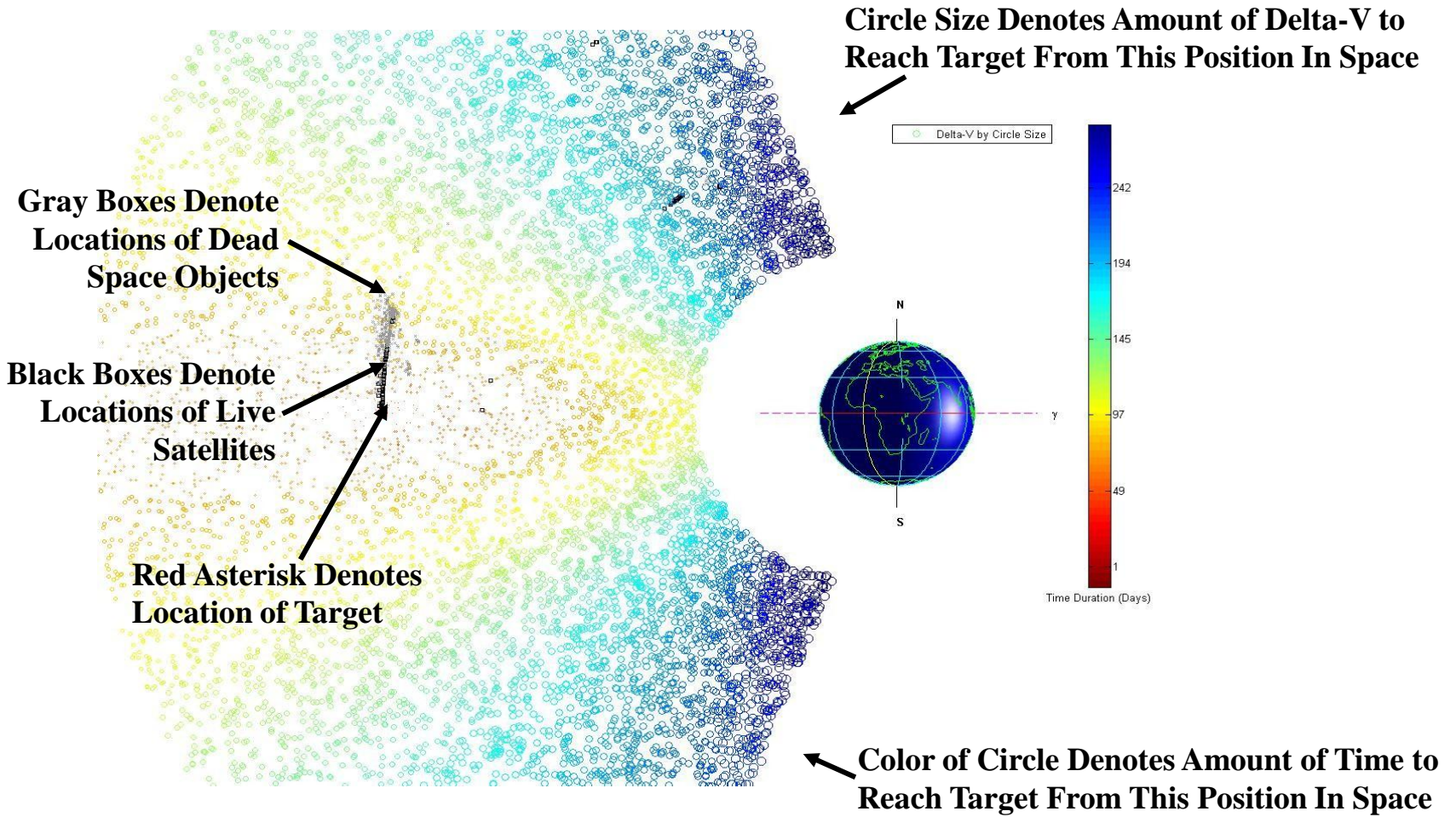
**Delta-V Required for
2-Burn Hohmann
Transfer Rendezvous
to Appear Like
Another Satellite**

Satellites Can Maneuver to Confuse Targeting Assets

Threat Envelope Chart (TEC) View 1



Example Threat Envelope View 2



Some Regions of Space May be More Threatening than Others

Example Threat Envelope View 3

