

Space Cooperation in the Aftermath of the Iridium / Cosmos Collision

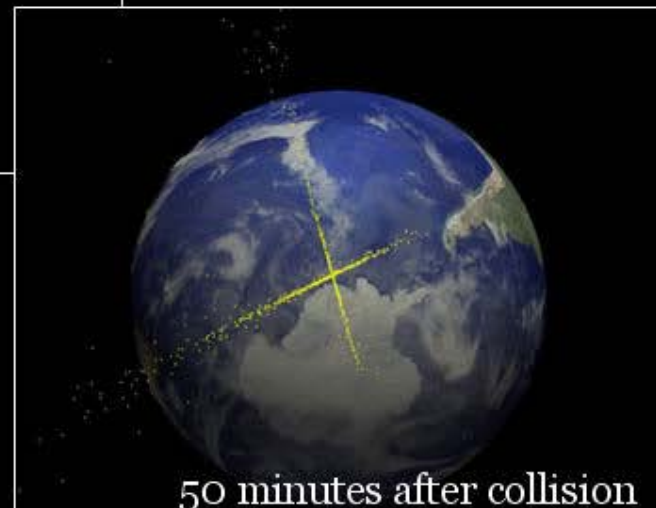
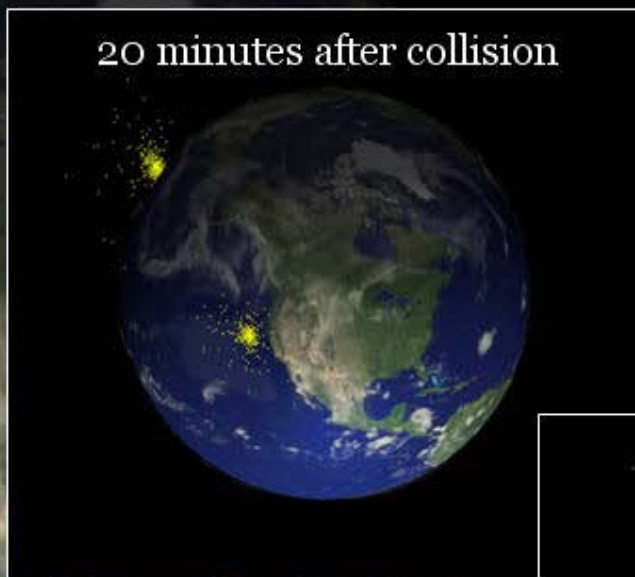
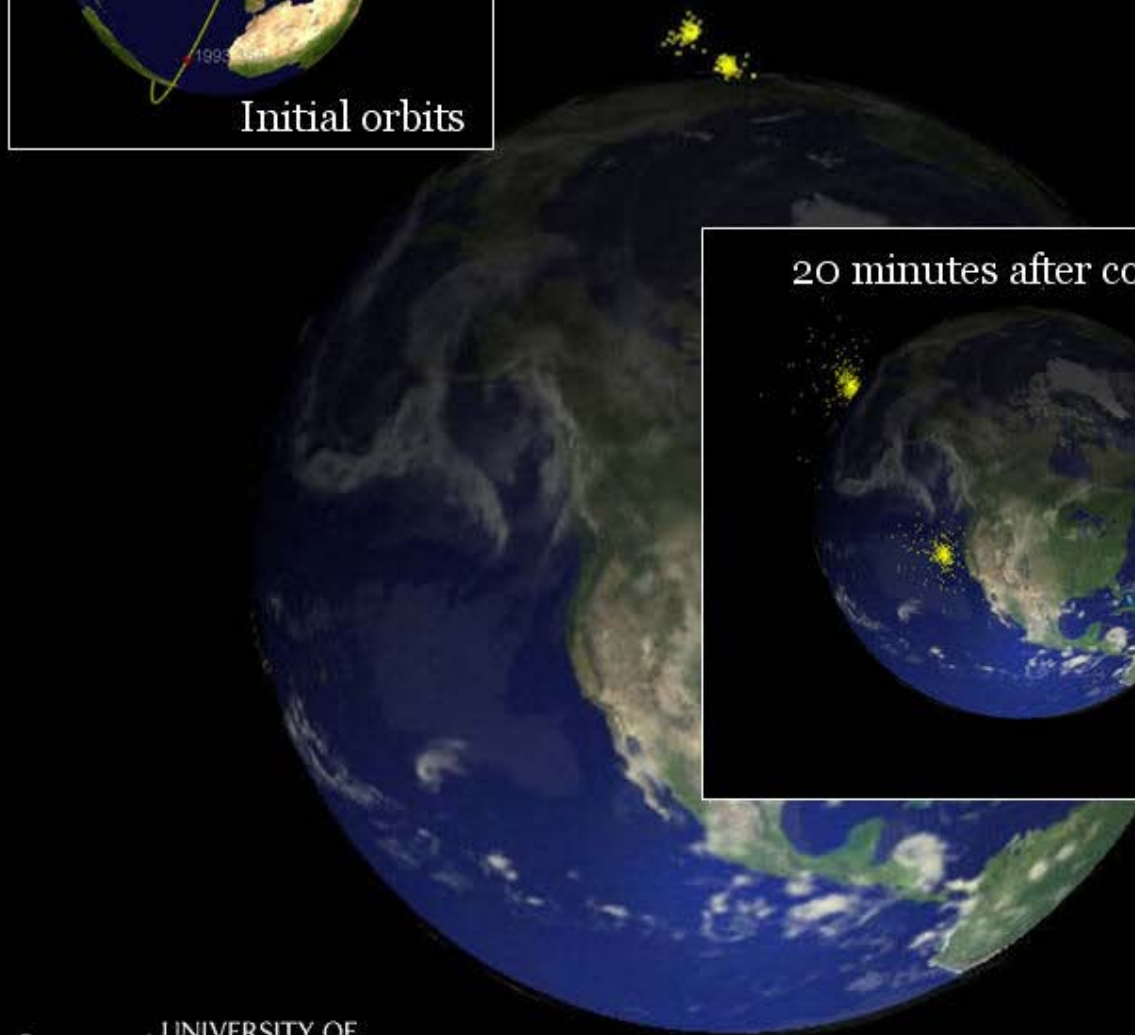
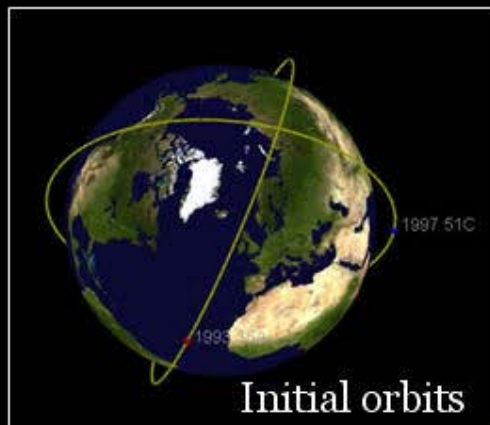
Lt Col Brandon L. Hart

Outline

- Iridium / Cosmos Collision
- Commercial & Foreign Entities Legislation
- Space Posture Review
- Conclusion

Collision of Iridium-33 with Cosmos-2251

Fragments ≥ 10 cm



Iridium / Cosmos Collision



Commercial & Foreign Entities Legislation

- Allows DoD to share "satellite tracking services" and "space surveillance data and analysis" with CFEs
- Only allowed if in US "national security interests"
- Requires Agreement
 - No 3rd-party transfer w/o permission
 - Reimbursement charges—SecDef discretion

Commercial & Foreign Entities Legislation, Cont'd

■ Pre-Collision

- No agreements
- TLE data available on spacetrack.org
- Conjunction assessments on ~120 satellites daily

■ Post-Collision

- Agreements being signed (~15 so far)
- Discussion re: quality of data to share
- Conjunction assessments on ~800 satellites daily (all maneuverable)

Commercial & Foreign Entities Legislation, Cont'd

- New CFE legislation signed 28 Oct 09
 - Changed Title etc. to reflect "SSA services and information" rather than "satellite tracking support"
 - Specifically allows DoD to "receive" SSA data and services from CFEs
 - Allows SecDef to add "other terms" to agreements
 - Added "immunity" clause
 - Made program permanent—no duration

Space Posture Review

- "Comprehensive" Review of US Space Posture req'd by law
- Joint report from SECDEF / DNI due 1 Dec 09
- Must cover several matters:
 - SSA
 - Space Control
 - Force Enhancement / Force Application
 - Space-based ISR

Conclusion

- Collision of 10 Feb 09 was "wake up" call for need for more cooperation
- USG is increasing cooperation efforts

Questions?