Space UT Research: Strategic Impact Areas

**RESEARCH AREAS**
- Space Science Institute (UT Austin)
  - Plasma in LEO/NEO
  - LEO “weather” Forecasting
- Space Safety and Mission Assurance
  - Materials Analysis and Failure modeling (UTEP)
  - Conducts analytical, experimental and computational research in energy, propulsion and aero structures engineering.
- Space-based Water Measurement

**RESOURCES:**
- William B. Anderson Center for Space Sciences (UTD)
- Center for Space Exploration and Technology Research (cSETR) (UTEP)
- Center for Space Research (UT Austin)
- Center for Gravitational Wave Astronomy (UTB)
- McDonald Observatory (UT Austin)
- Center for the Advancement of Space Safety and Mission Assurance Research (CASSMAR) (UTEP)

**Strategic Partnerships:**
- NASA JPL
- Texas Space Grant Consortium: TSGC (53 organizations)
- STARGATE will be a cooperative effort ($9M EMF) with SpaceX to develop and support commercialization of phased-array technology for satellite and space vehicle communication