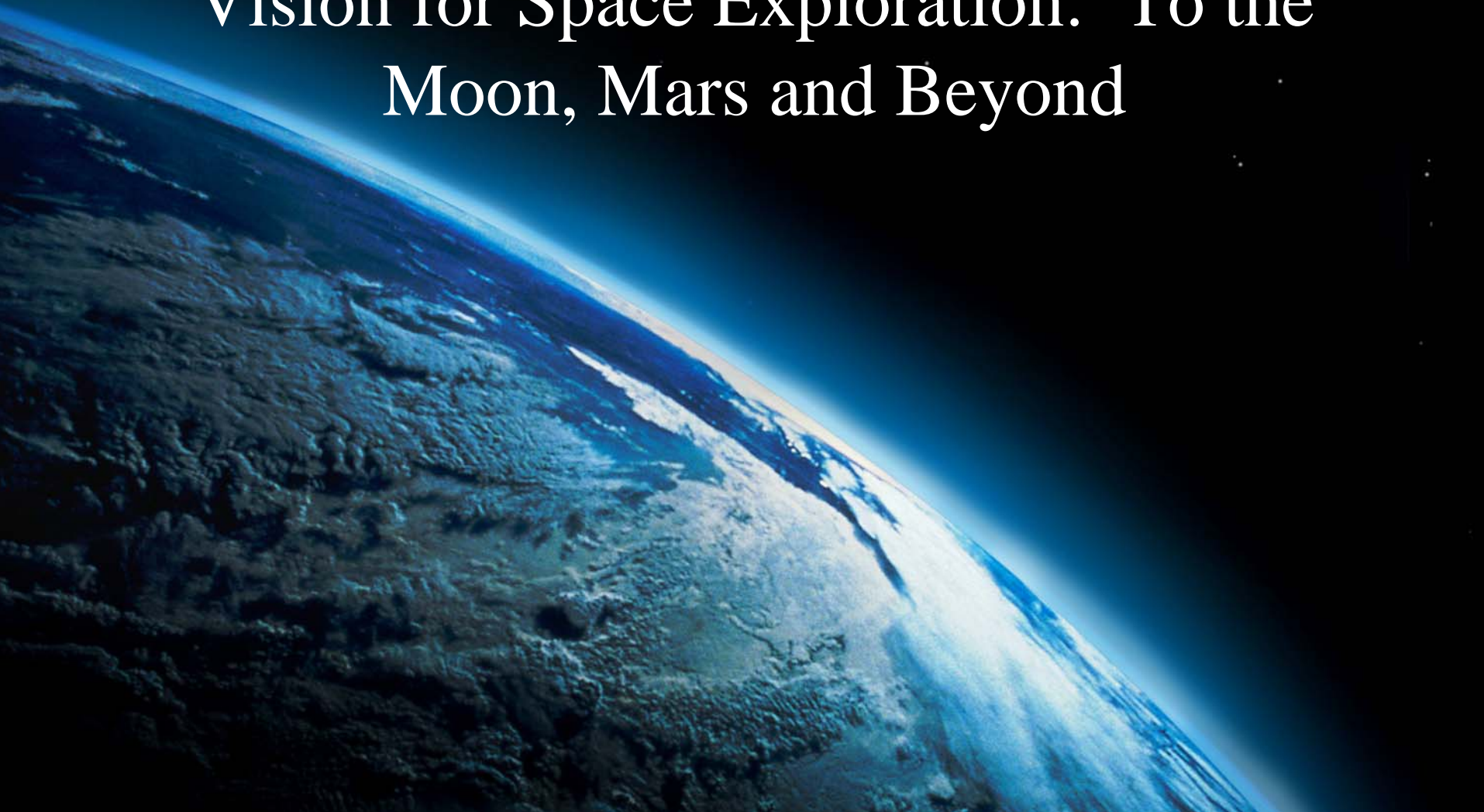


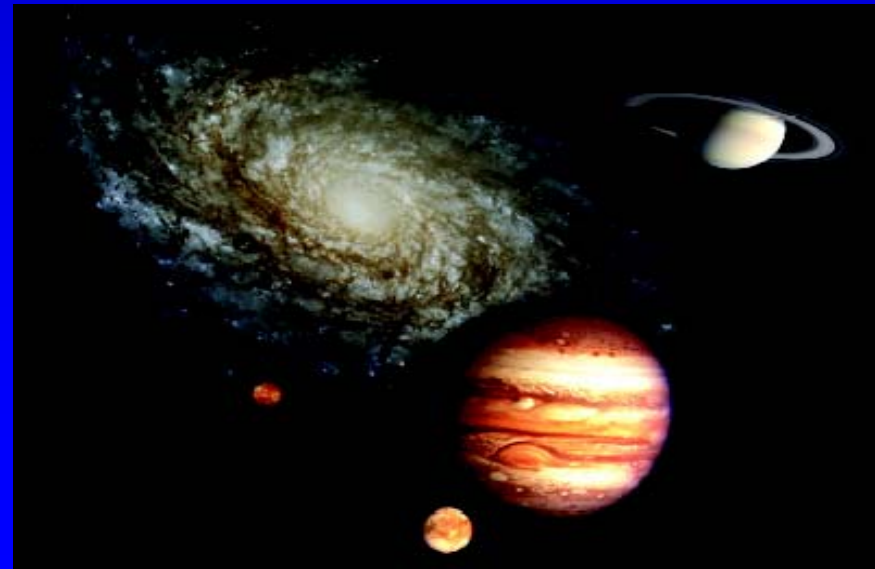


Vision for Space Exploration: To the Moon, Mars and Beyond



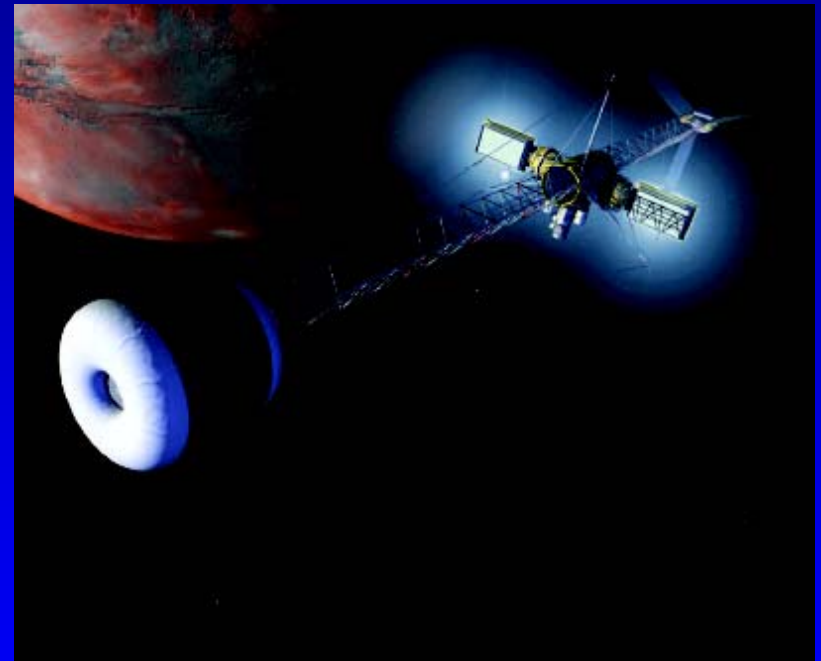
Background

- On January 14, 2004, US President Bush proclaimed a new exploration initiative for NASA---go to the Moon by 2020, Mars next and beyond Mars later
- NASA working on architecture and funding for new initiative
 - Tentative plans include completing ISS development by 2010, ending Shuttle flights by 2010 and re-directing other funding to exploration priorities



Current Initiatives

- Some of ARISS USA team currently participating in exploration initiative
 - Frank Bauer was on the NASA “Blue Team” to develop requirements and flesh out architecture
 - Debbie Brown-Biggs (NASA HQ Education) has requested Rosalie White and Frank Bauer to develop tentative plans/ideas for the role of amateur radio in the exploration initiative
 - Frank Bauer is on the Strategic Roadmapping Team for Lunar Exploration



The Future

- ARISS team developing Exploration Initiative strategy
- ARISS's solid performance and outstanding international teamwork is recognized and respected by the Space Agencies
- Some hardware thoughts:
 - Repeater on the moon?
 - Mars telecom satellite?
 - Hamsats at Moon-Earth libration point?
 - Audio? Video? Astronaut psych ops support?
- The challenges will be high due to the long path lengths
- The time to act is **NOW**, while interest within NASA is high

