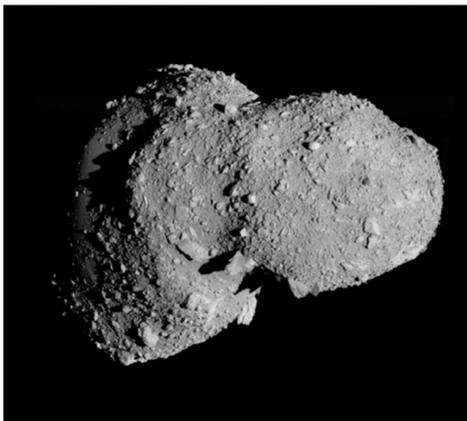


National Aeronautics and Space Administration



Asteroid Initiative Opportunities Forum Next Steps

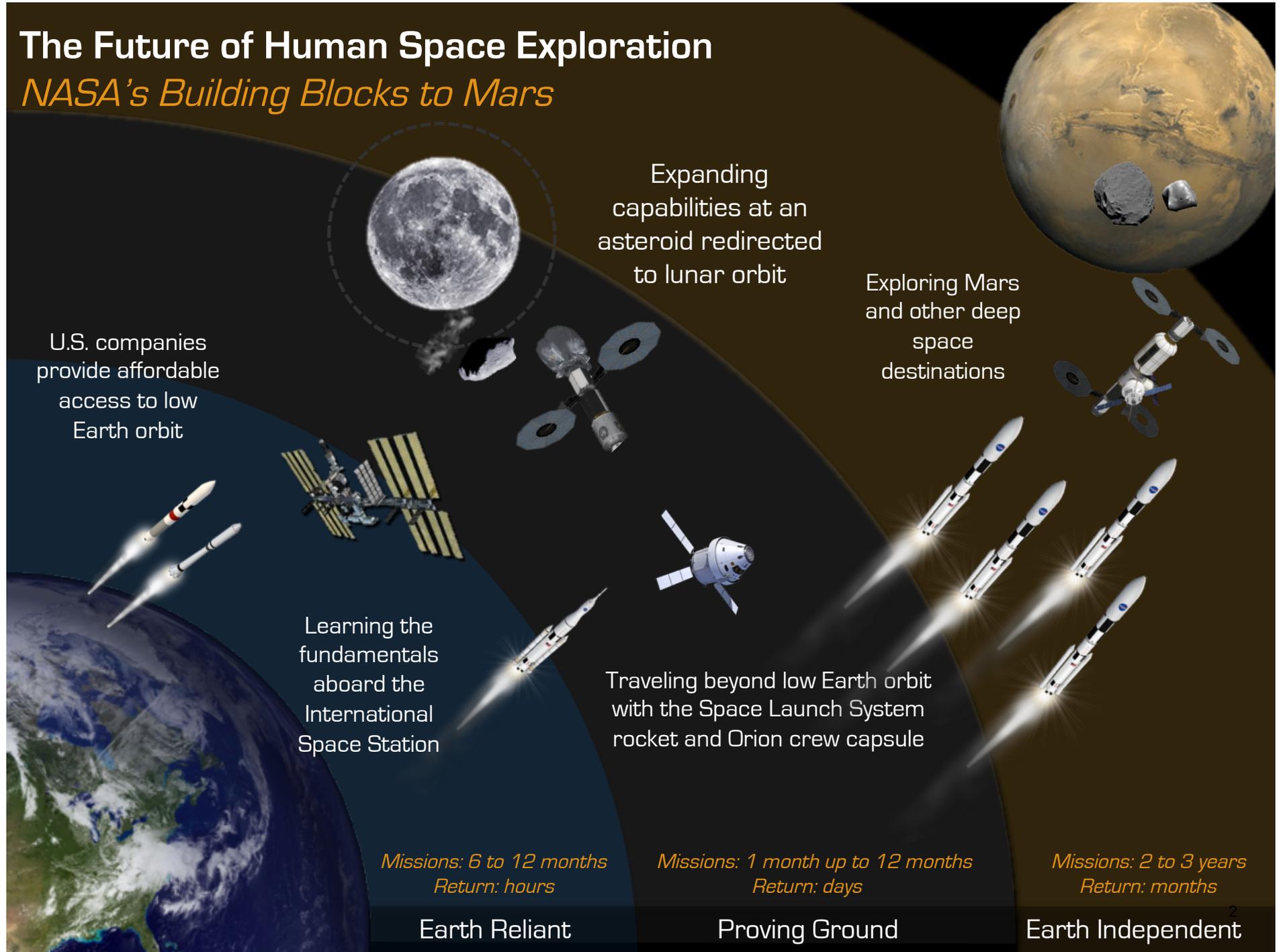
Robert Lightfoot, Associate Administrator



NASA Asteroid Initiative Opportunities Forum • #AskNASA

The Future of Human Space Exploration

NASA's Building Blocks to Mars



Next Steps for the Mission



- **Include inputs via the Broad Agency Announcement (BAA).**
 - Capture systems
 - Automated rendezvous and docking sensor suite
 - Potential adaptation of commercial bus
- **Include potential for target of opportunities that may serve scientific and partnership interests via the BAA.**
- **Continue working with science communities and key experts to refine robotic concepts assessment and approach.**
- **Continue advanced solar electric propulsion (SEP) technology development activities.**
 - SEP Module will be nearly the same for either concept; the critical technologies will be the same.
- **Pursue risk mitigation activities for the capture system concept options.**
- **Pursue risk mitigation activities and extensibility assessments for the crewed mission.**
- **Conduct planning and preparations for an ARM Robotic Mission Concept Review in early 2015.**

Next Steps for the Grand Challenge



- **Seminar Series with Al Harris discussing NEA populations and impact frequency March 28, 2014 <https://ac.arc.nasa.gov/nagcss>**
- **Support asteroid theme in International Space Apps Challenge April 12-13, 2014**
- **Develop educational materials for amateur astronomer NEA characterization skill development**