Johnson Space Center

The Home of Human Space Exploration

International Space Station

- Cornerstone of human space exploration
- International partnership of 15 countries
- Crew of six, 209 different people have visited
- Length of a football field, size of 5 bedroom house
- 170 space walks, almost 1,000 hours
- Speed: 17,500 mph
- Mass: 925,000 lbs
- 135 launches to ISS

Today, 220 miles above us, astronauts are working aboard the International Space Station

• 1550 experiments to date in Biology and Biotechnology, Earth and Space Science, Physical Sciences, Human Research, and more involving more than 1500 scientists and 67 countries

•Enables scientific discoveries that benefit us on Earth and provides a test bed for technologies to support future deep space exploration

• NASA Research, ISS National Laboratory, International Research, Education

•Center for Advancement of Science in Space (CASIS) manages the national lab

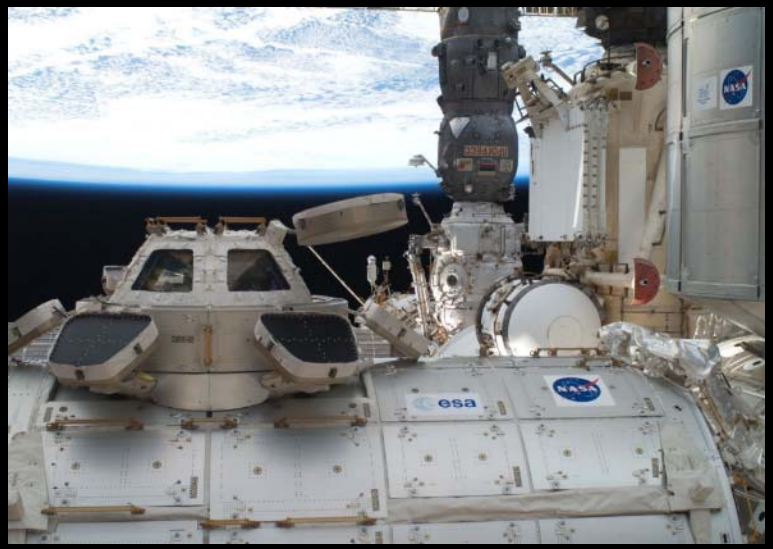



Powerful International Partnerships

- Partnerships are key to Station and serve as model for exploration of space

- Partners: Canadian Space Agency, European Space Agency, Japan Aerospace Exploration Agency, Russian Federal Space Agency

- Diversity in backgrounds, culture, and technical competencies significantly enhances ISS capabilities



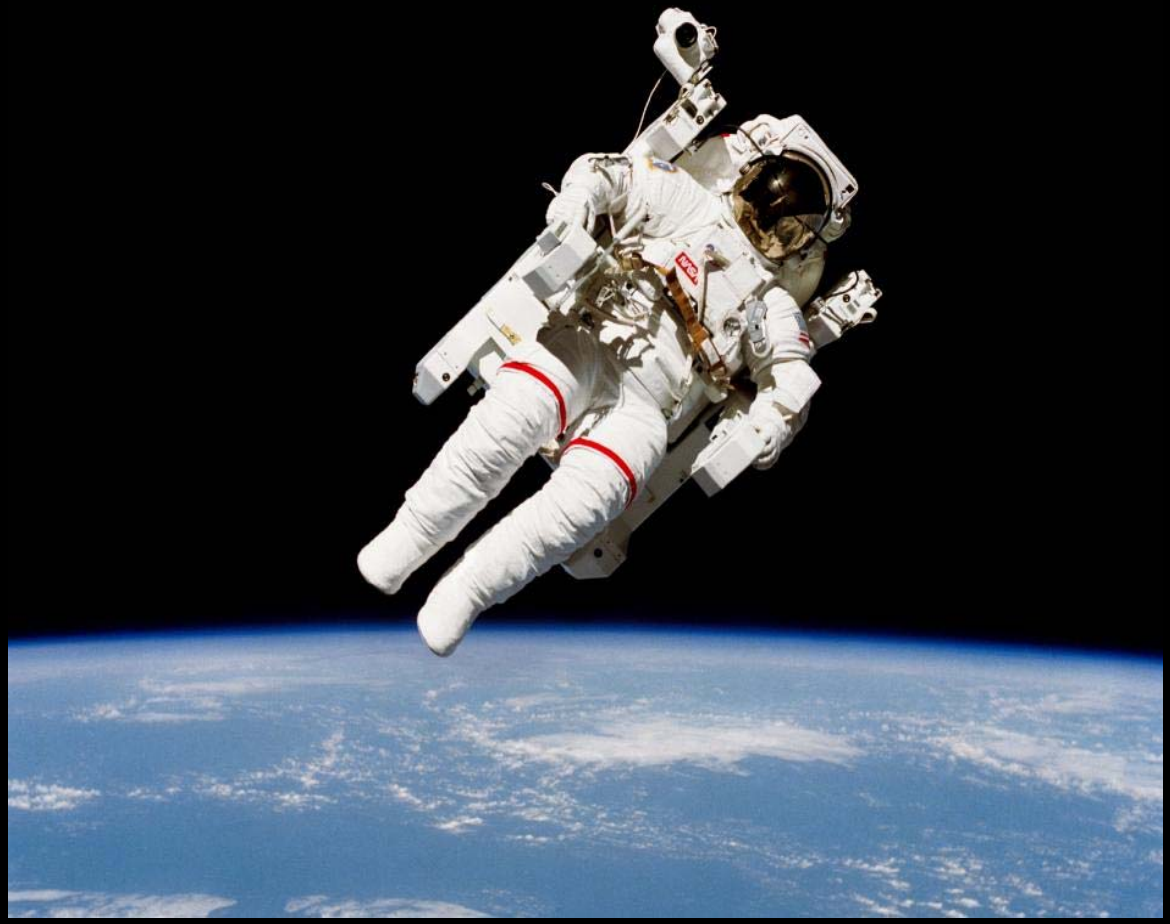
JSC technical teams watch over the space station and its crew

•Flight control is non-stop, 24/7/365, for crew activities, spacecraft systems, crew health and safety

• Technical specialists work behind the scenes to support the mission each day in the Christopher C. Kraft, Jr. Mission Control Center at JSC

Extravehicular Activities (EVA) Flight Controller
Mission Control Center (MCC)

Extravehicular Mobility Unit (EMU)



Neutral Buoyancy Laboratory (NBL)

Crew Training at the NBL

Space Vehicle Mockup Facility (SVMF)

Advancing High Quality Education

Advancing Science, Technology, Engineering and Mathematics (STEM) education using NASA's unique capabilities in human space exploration.

- Career Exploration Program
- NASA Aerospace Scholars
- Teaching From Space
- IS National Education Lab
- JSC Robotics
- Reduced Gravity Flights


NASA
Johnson Space Center
Making history in space exploration