

National Aeronautics and Space Administration



**NASA Astronaut  
Alvin Drew  
STS-118, STS-133**

**UN COPUOS 2014**

**The future of human spaceflight:  
Celebrating Apollo and looking to  
Mars**





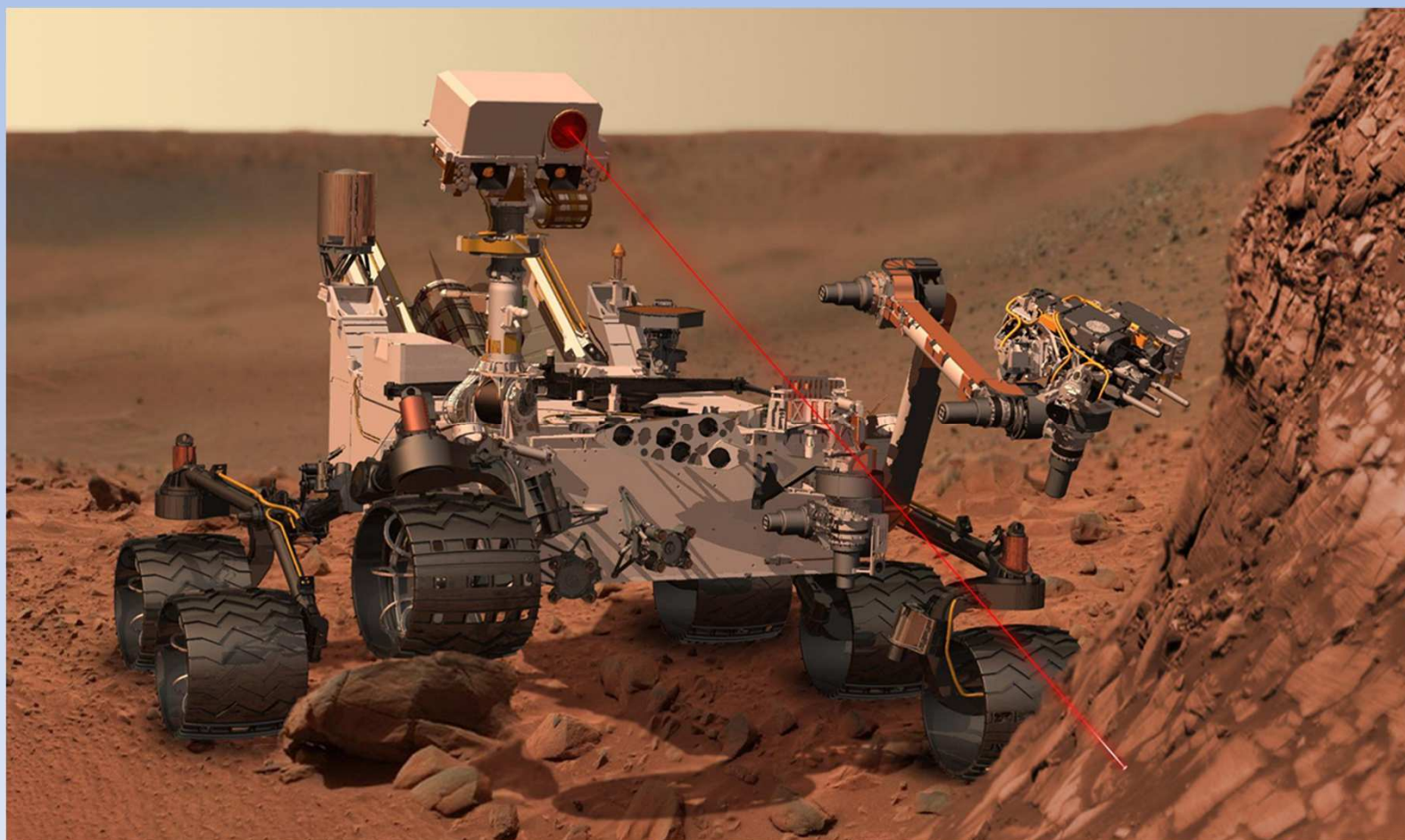
# Expedition 40 Crew

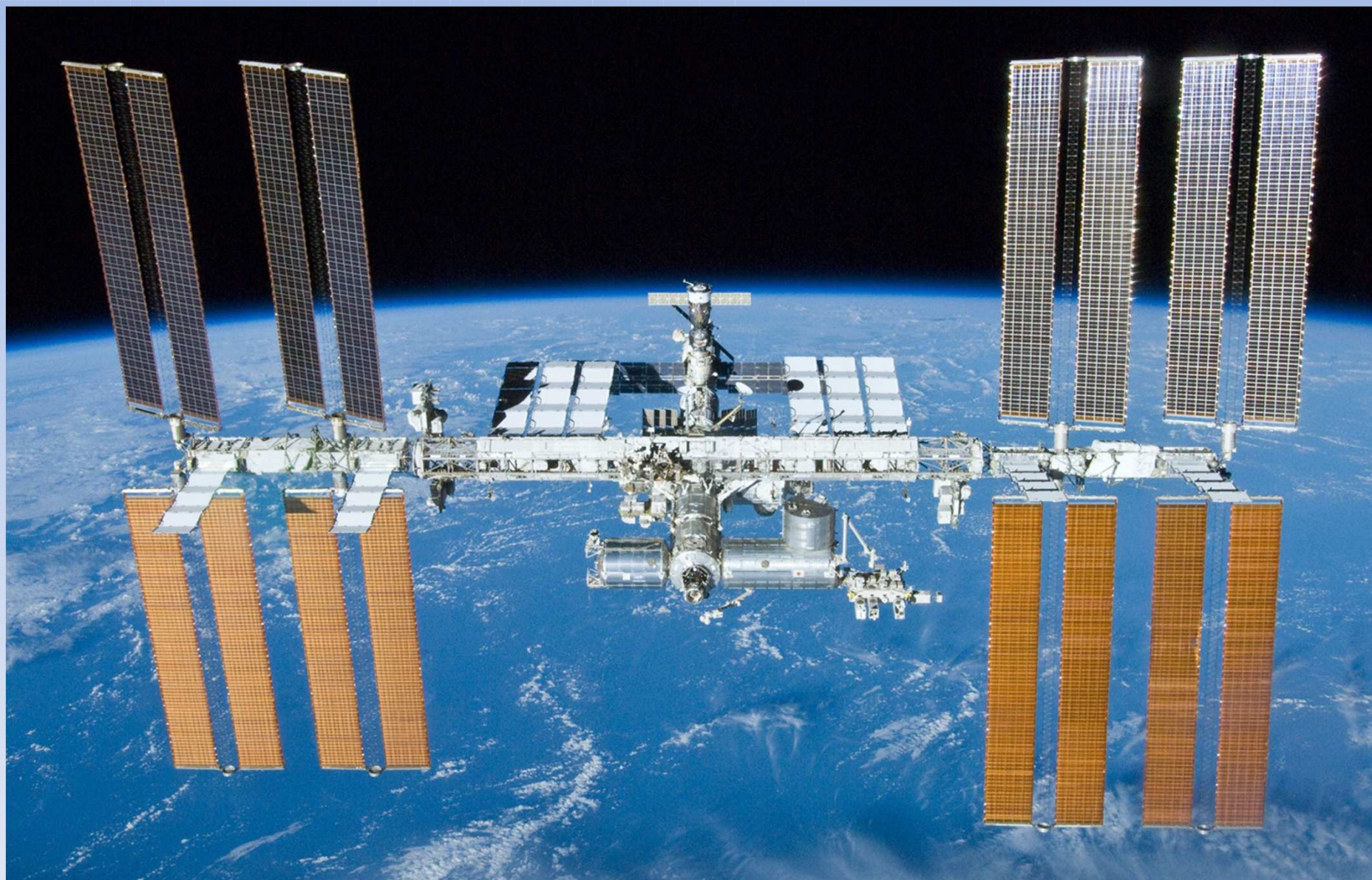




ISS018E044335











# STS-118



# STS-133





# HUMAN EXPLORATION

NASA's Path to Mars



## EARTH RELIANT

MISSION: 6 TO 12 MONTHS  
RETURN TO EARTH: HOURS



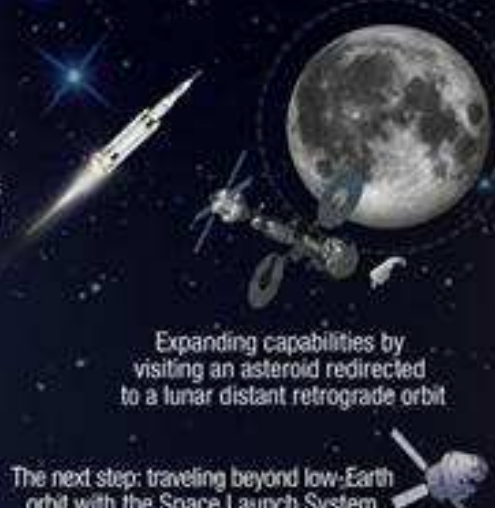
Mastering fundamentals  
aboard the International  
Space Station

U.S. companies  
provide access to  
low-Earth orbit

[www.nasa.gov](http://www.nasa.gov)

## PROVING GROUND

MISSION: 1 TO 12 MONTHS  
RETURN TO EARTH: DAYS



Expanding capabilities by  
visiting an asteroid redirected  
to a lunar distant retrograde  
orbit

The next step: traveling beyond low-Earth  
orbit with the Space Launch System  
rocket and Orion spacecraft

## MARS READY

MISSION: 2 TO 3 YEARS  
RETURN TO EARTH: MONTHS



Developing planetary independence  
by exploring Mars, its moons and  
other deep space destinations



