



NASA's Space Launch System: *Positioning Assets for Tele-Robotic Operations*

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Space Launch System



One Ship, Many Destinations



***Ships of exploration
shouldn't limit
destinations...***

***...they should open
opportunities***



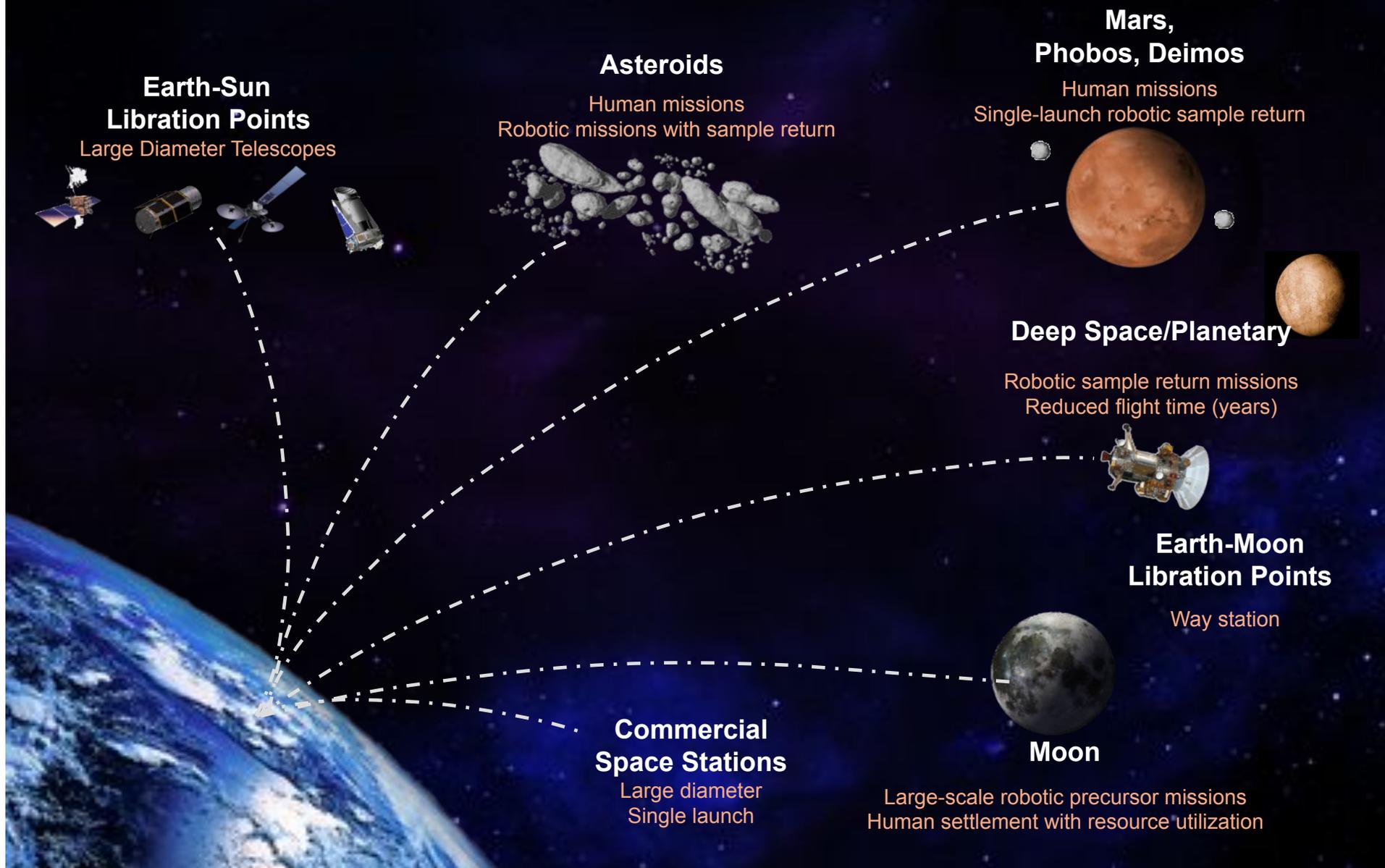
The Next Great Ship



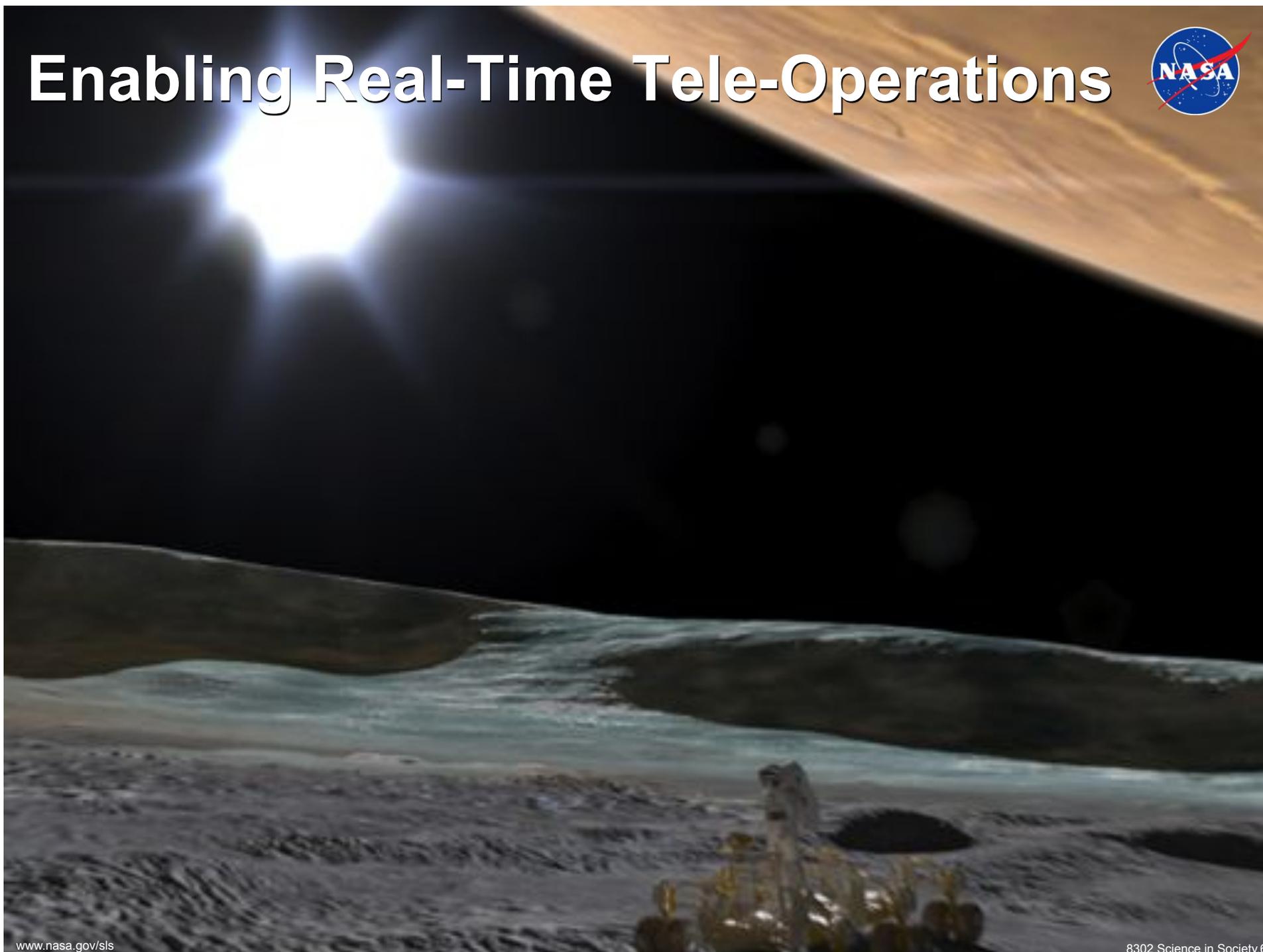
“The New Ocean”



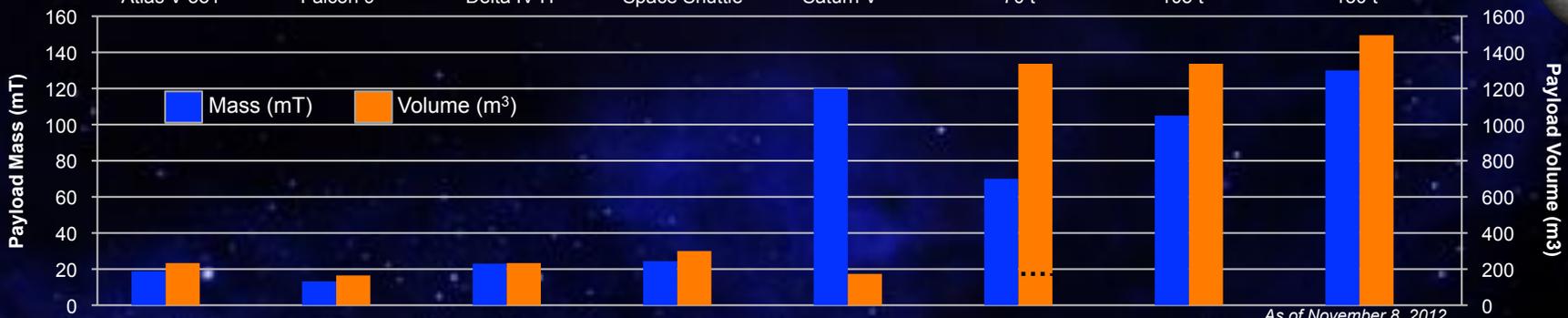
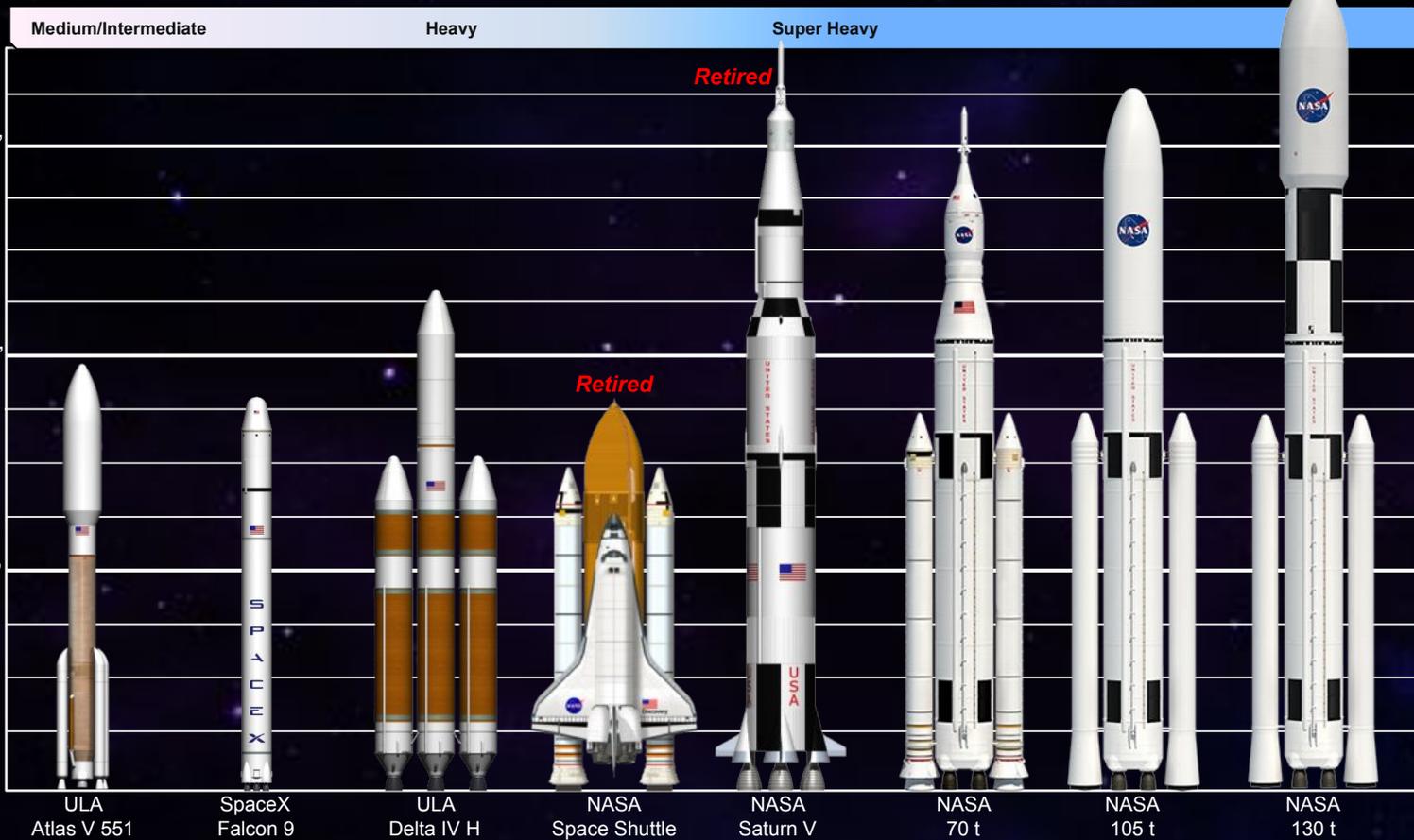
Islands in Our Ocean



Enabling Real-Time Tele-Operations



Most Capable U.S. Launch Vehicle



As of November 8, 2012

SLS: Taking Shape Today



Systems Engineering and Integration
SLS model undergoes wind tunnel
testing at Langley Research Center
Nov 2012



J-2X power pack assembly hot fire
test at Stennis Space Center
Nov 2012



Multi-Purpose Crew Vehicle Stage
Adapter Pathfinder Hardware
at Marshall Space Flight Center
June 2012



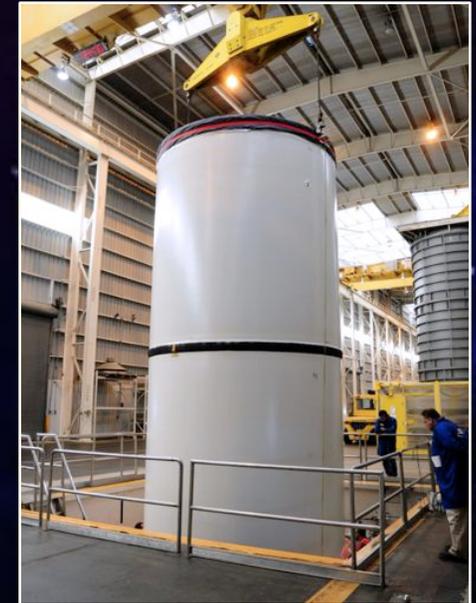
Kennedy Space Center
Launch Complex 39B
(artist's concept)



RS-25 Engines
at Stennis
Space Center
Oct 2012,
shown with
future RS-25
Test Stand A1



F-1 engine gas generator hot fire test at Marshall Space Flight
Center, Jan 2013 – technology development for an optional
Advanced Booster concept



Qualification Motor 1 casting at ATK
Oct 2012

SLS Maiden Voyage 2017

For More Information

www.nasa.gov/sls

www.twitter.com/nasa_sls

www.facebook.com/nasasls

