



5...4...3...2...1...

SPACE LAUNCH SYSTEM

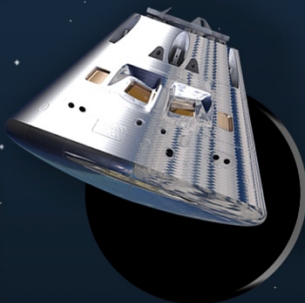
Future Opportunities for CubeSats
on NASA's Space Launch System

David Hitt
August 7, 2018

EXPLORATION MISSION-1: LAUNCHING SCIENCE & TECHNOLOGY SECONDARY PAYLOADS

1
PRIMARY MISSION
TESTING SLS
AND ORION
SPACE LAUNCH SYSTEM (SLS)
LIFTS MORE THAN ANY EXISTING LAUNCH VEHICLE

ORION STAGE ADAPTER
SUPPORTS BOTH
PRIMARY MISSION
AND SECONDARY
PAYLOADS



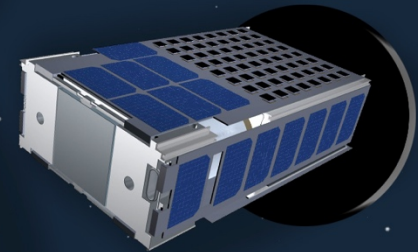
ORION SPACECRAFT
TRAVELING THOUSANDS OF
MILES BEYOND THE MOON,
WHERE NO CREW VEHICLE
HAS GONE BEFORE



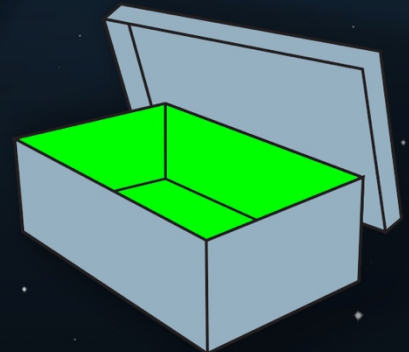
AVIONICS
(SELF-CONTAINED AND INDEPENDENT
FROM THE PRIMARY MISSION)
SEND CUBESATS ON THEIR WAY

13
CUBESAT EXPLORERS

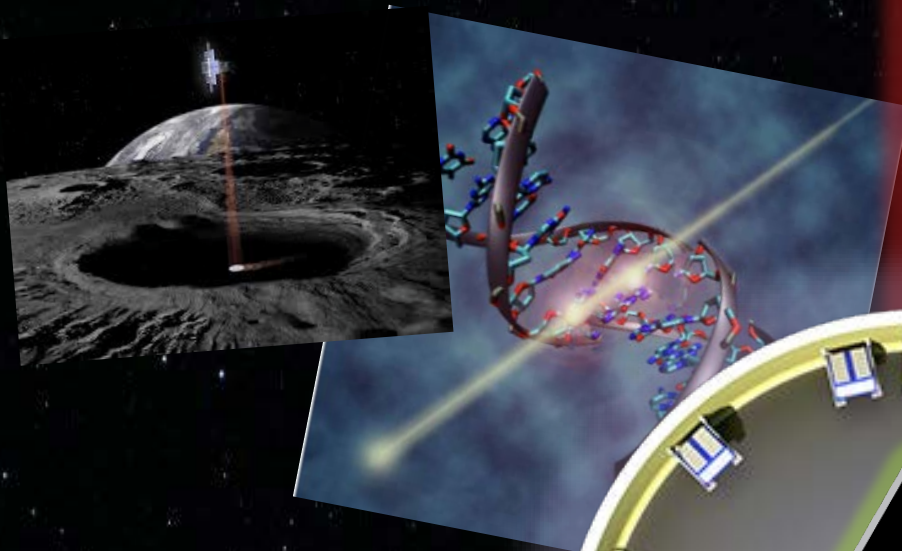
GOING TO DEEP SPACE
WHERE FEW CUBESATS
HAVE EVER GONE
BEFORE.



SHOEBOX SIZE
PAYLOADS EXPAND
OUR KNOWLEDGE
FOR THE JOURNEY
TO MARS



#RIDEONSLS



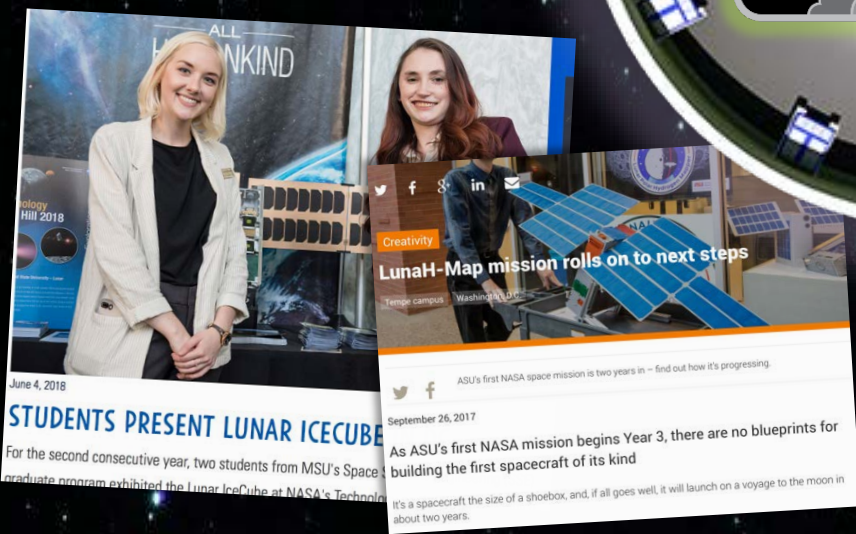
SCIENCE

EDUCATION



COLLABORATION

TECHNOLOGY



SPACE LAUNCH SYSTEM

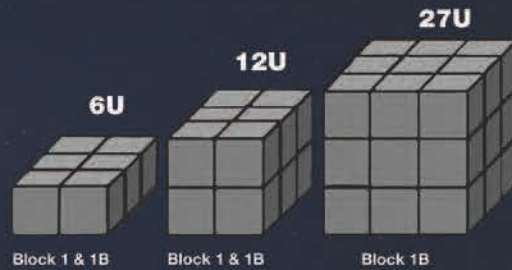
National Aeronautics and
Space Administration



SECONDARY PAYLOAD (SPL) ACCOMMODATIONS

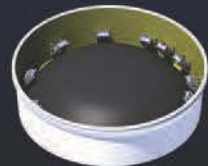
SLS Block 1 Elements

(Crew Configuration)



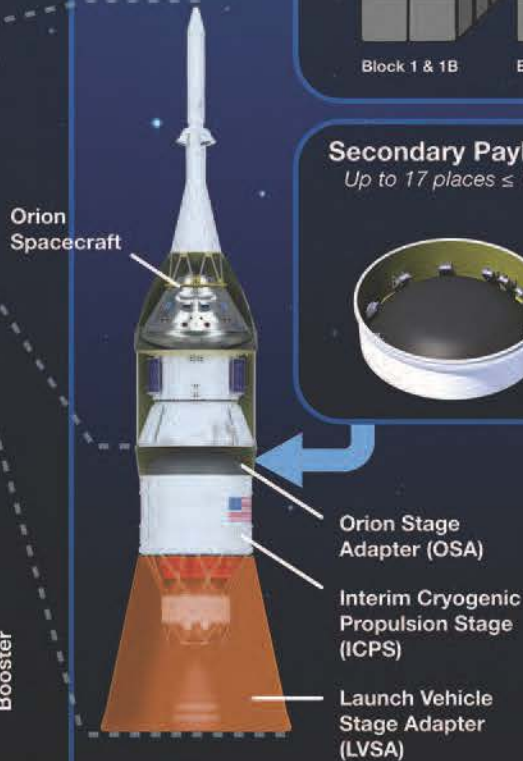
Secondary Payload

Up to 17 places $\leq 12U$



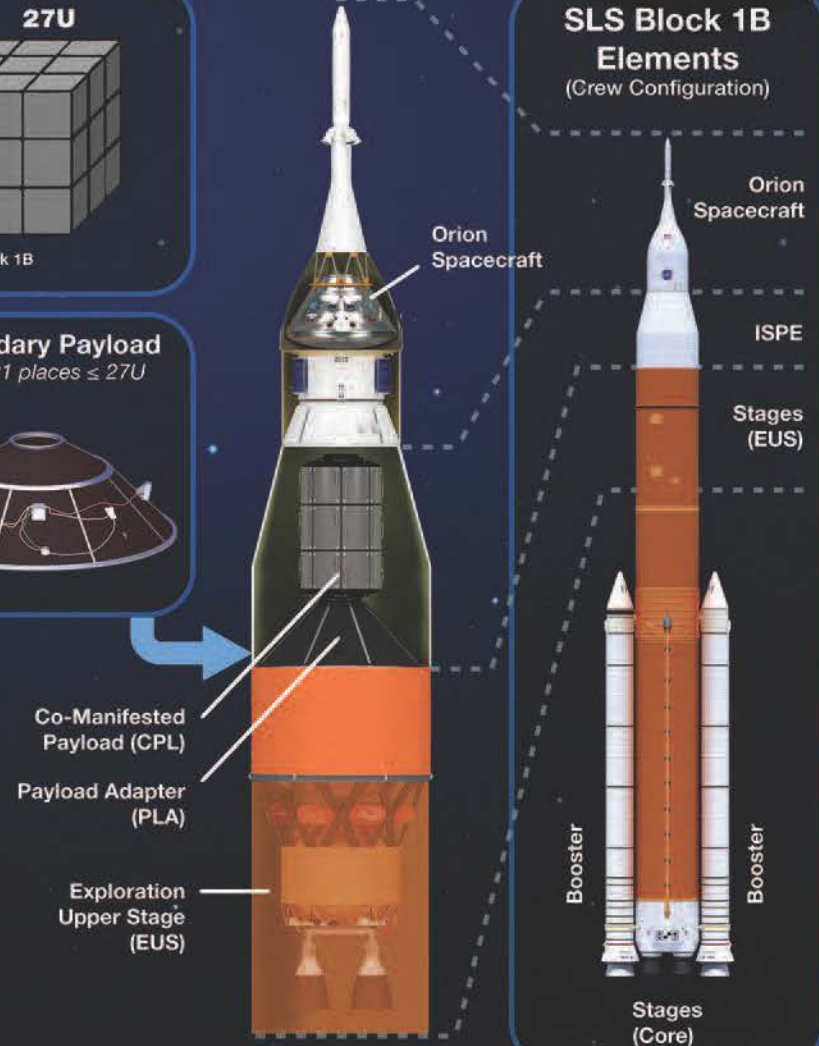
Secondary Payload

Up to 21 places $\leq 27U$



SLS Block 1B Elements

(Crew Configuration)



DEEP-SPACE EXPLORATION AND CUBESATS

