

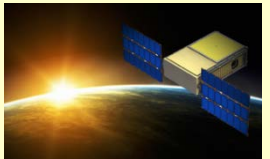

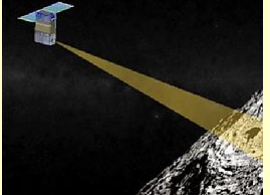
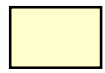
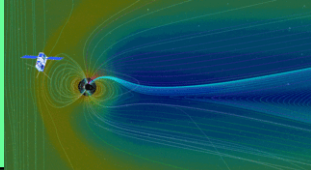


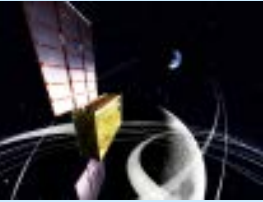



CubeSats (3 CubeSats have not yet been decided) -1-


Project name (Organization)	Orbit	Mission	Artist image
NEAScout (NASA JPL)	Flyby and go to Asteroid 1991VG	Determine its size, movement and chemical composition of the asteroid	
Lunar Flashlight (NASA Marshall, JPL, UCLA)	Moon orbit	Explore, locate, and estimate size and composition of water ice deposits on the Moon	
BioSentinel (NASA Ames, Johnson)	Flyby	Effect of deep space radiation to living organisms over long durations	
Lunar IceCube (NASA Goddard, Morehead State Univ.)	Moon orbit	Electric RF ion engine, prospect, locate, and estimate size and composition of water ice deposits on the Moon	
SkyFire (Lockheed Martin)	Moon close flyby	Spectroscopy and thermography of moon surface	

 “Missions for future human exploration” selected by Human Exploration and Operations Mission Directorate

CubeSats (3 CubeSats have not yet been decided) -2-

Project name (Organization)	Orbit	Mission	Artist image
CuSP (Southwest Research Institute)	Flyby	Space weather station. Demonstration for future cubesat network observation.	
LunaH-Map (Arizona State University)	Moon orbit	Mapping hydrogen within craters and permanently shadowed regions	
OMOTENASHI (JAXA)	Moon impact	The smallest moon lander launched by the most powerful rocket in the world	
EQUULEUS (JAXA, Univ. of Tokyo)	Multi-gravity assist and go to EML2	Demonstrate trajectory control in Cis-lunar region and observation of Earth's plasma sphere and lunar impact flash	
ArgoMoon (ASI, Argotec)	Earth orbit	Taking photo of SLS and technology demonstration for communication system.	

 Science missions selected by Science Mission Directorate

 Missions proposed by international partners