NASA Ames Research Center



Occupants

- *~1,200 civil servants*
- *~1,900 on-site contractors*
- *~2,500 NRP workforce*
- *~700 summer students in 2019*

FY20 Budget

- *~$1B (includes reimbursable/EUL)*

Real Property

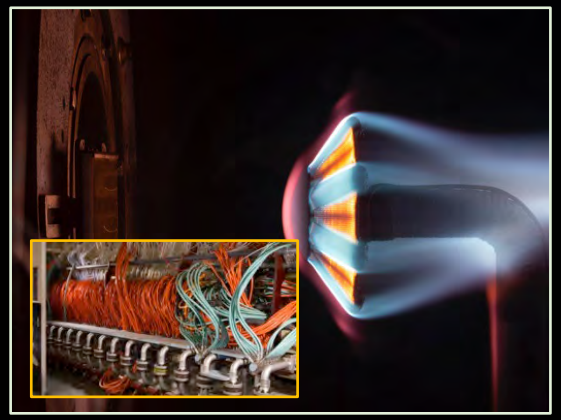
- *~1,900 acres*
- *400 acres security perimeter*
- *5M building ft^2*
- *Airfield with ~9,000 and 8,000 ft. runways*

Core Competencies

Air Traffic Management



Entry Systems



Advanced Computing & IT



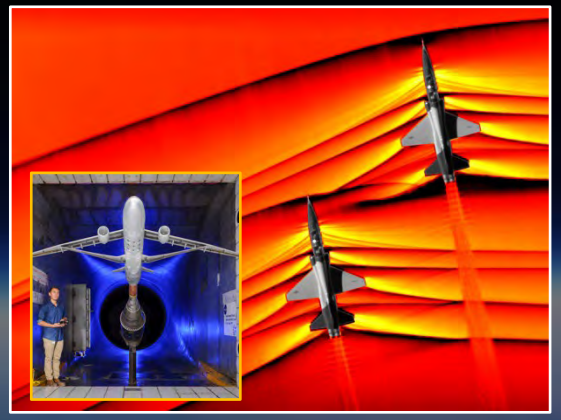
Intelligent / Adaptive Systems



Cost-Effective Space Missions



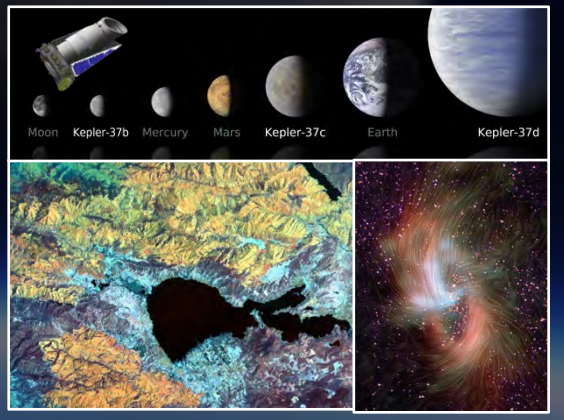
Aerosciences



Astrobiology & Life Science

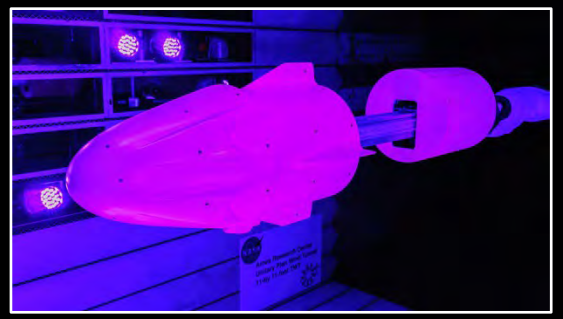


Space & Earth Sciences



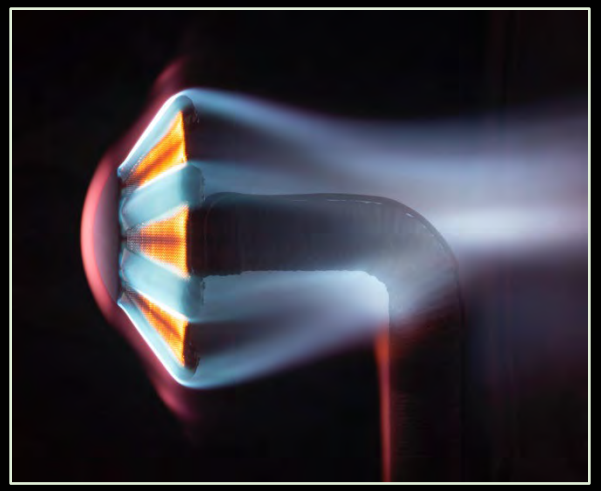
Major Research Facilities

Wind Tunnels





Arc Jet Complex





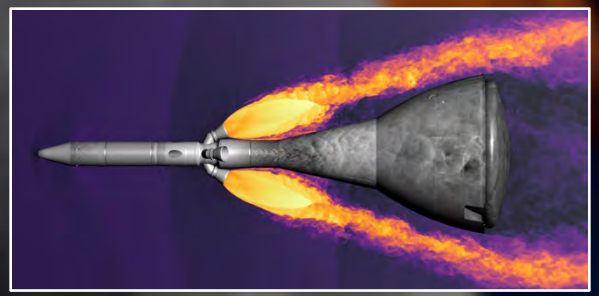
Simulators

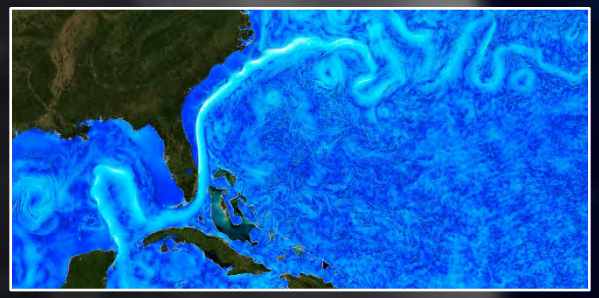






Supercomputing









Advanced Air Mobility

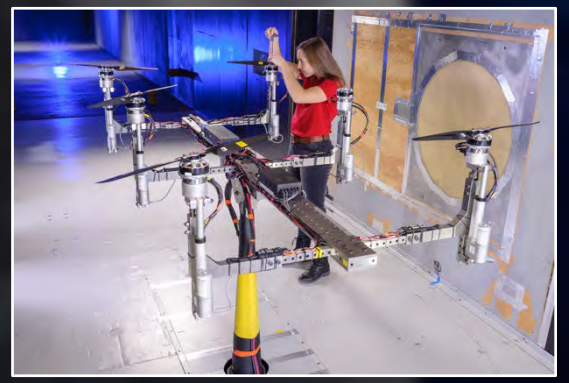




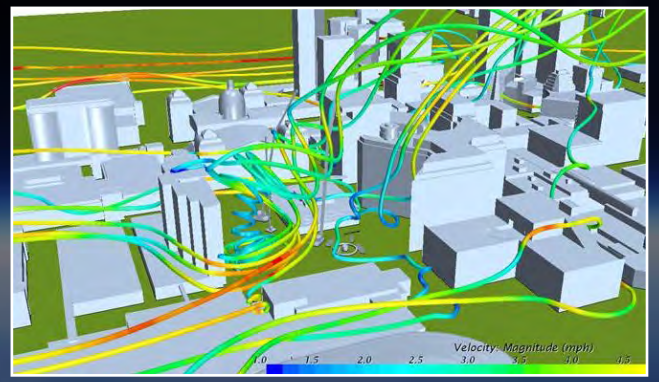








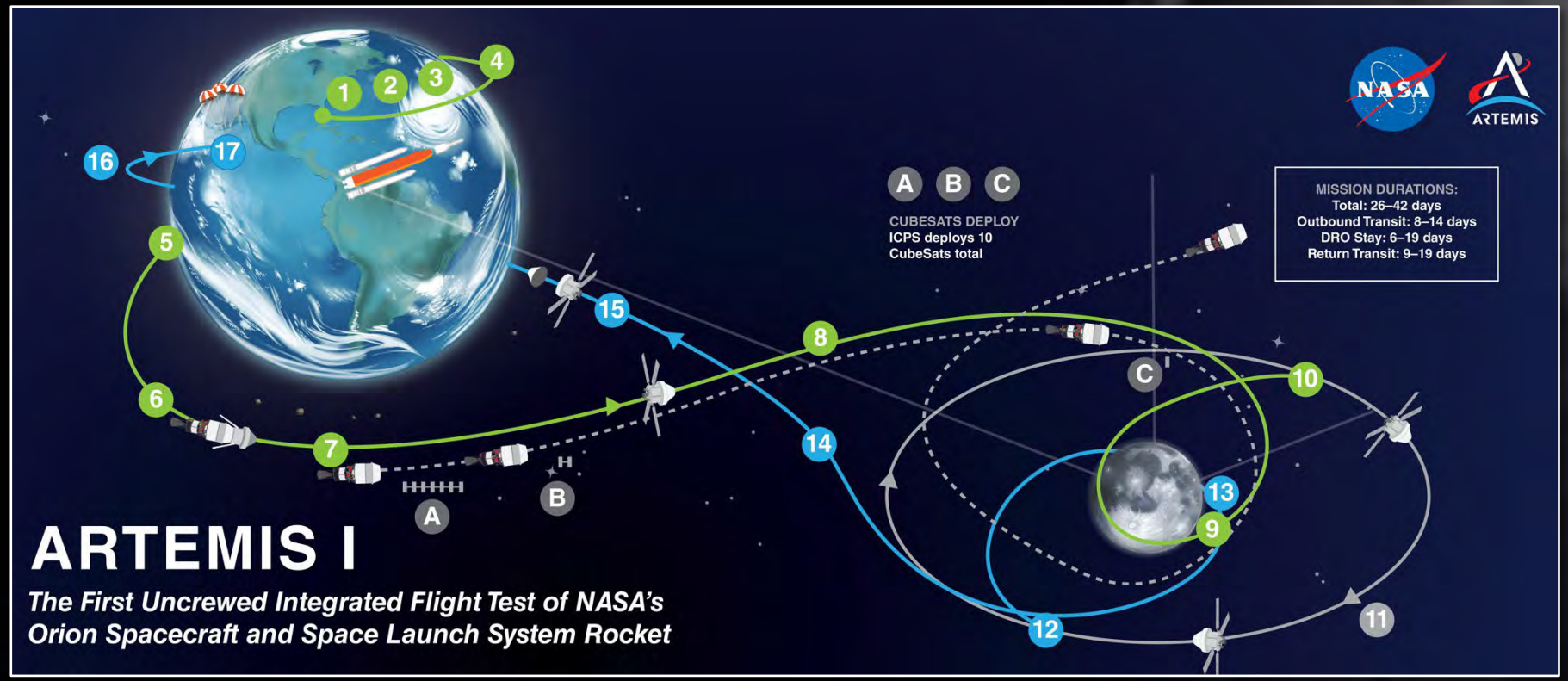






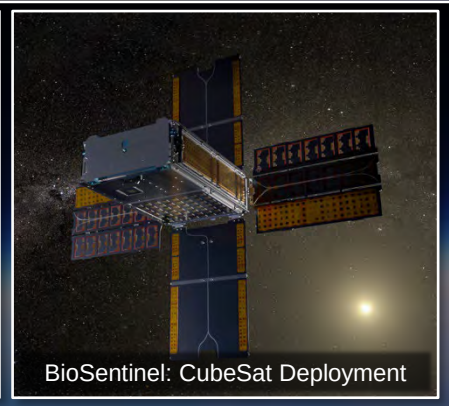


Artemis I





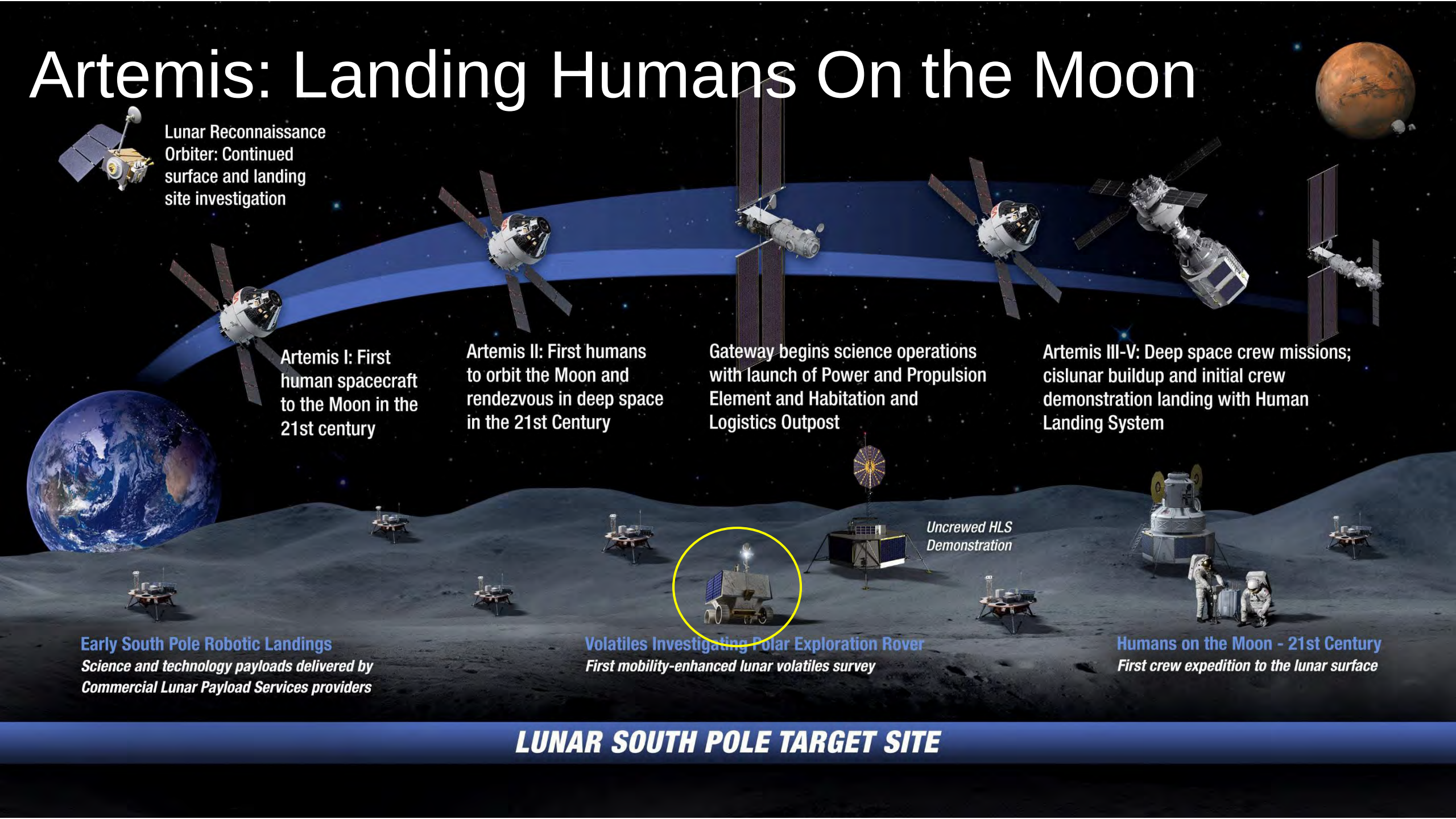

Launch Pad 39B, KSC
Aug. 29, 2022
8:33 a.m. EDT to 10:33 a.m.


BioSentinel: CubeSat Deployment



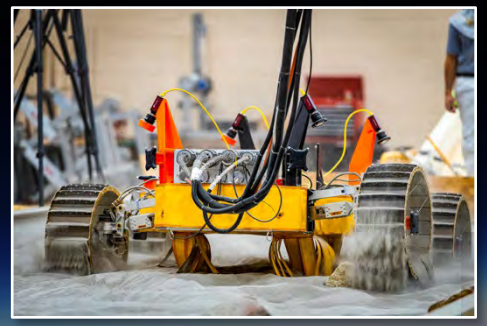


Artemis: Landing Humans On the Moon



VIPER Surface Segment (Rover + Instruments)





Subsurface excavation
TRIDENT Drill

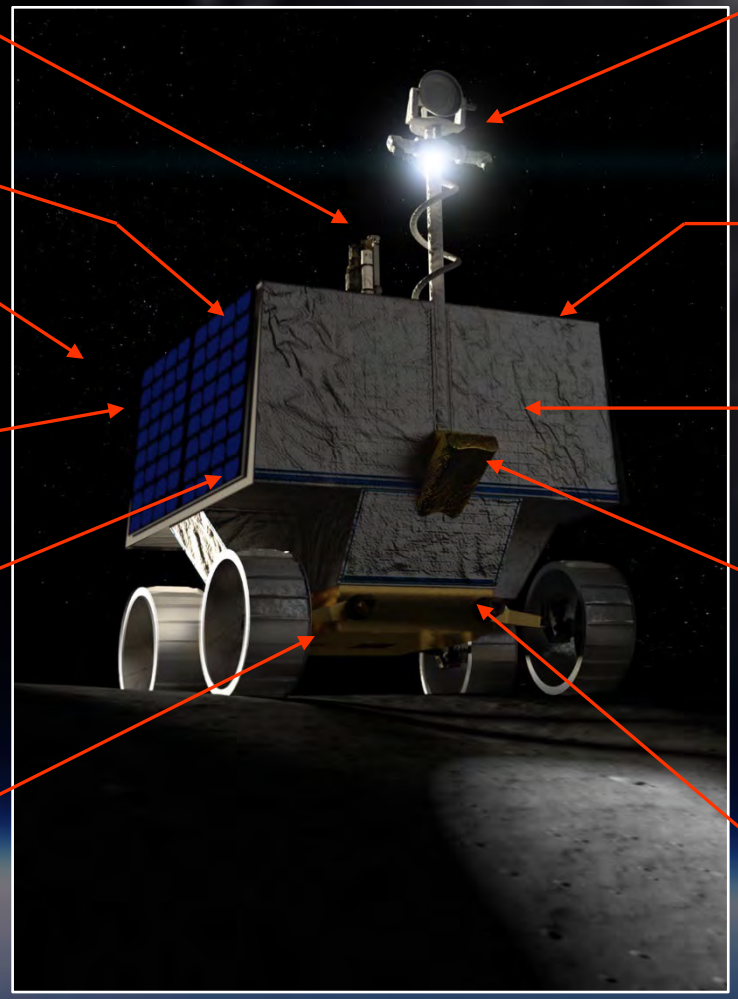
Localization
Star tracker

Situational Awareness
Aft Cams (1pr)

Situational Awareness
Hazard Cams
(2 cams x 2 sides)

Power
Solar Array (3-sides)

Prospecting & Evaluation
Mass Spectrometer Observing Lunar Operations (MSolo) Instrument



Situational Awareness & Communication
Nav Cams (1pr)
Lights (1pr)
Antenna Mast

Heat Rejection
Radiator (on top)

Rover Control
Flight Avionics (internal)

Prospecting
Neutron Spectrometer System (NSS) Instrument

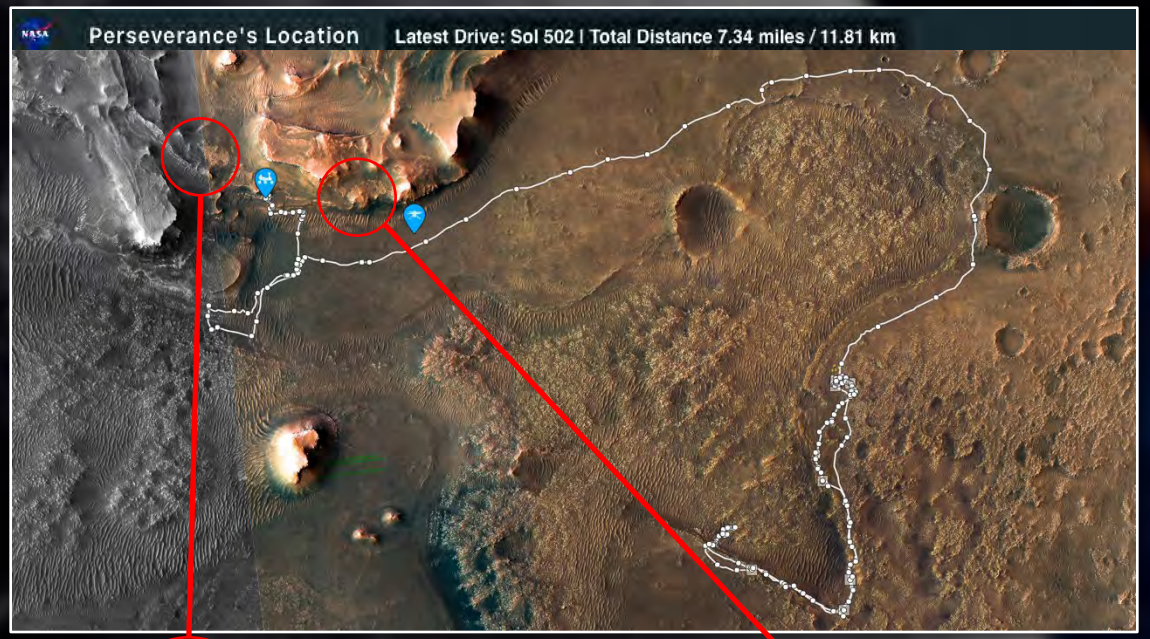
Prospecting & Evaluation
Near Infrared Volatiles Spectrometer System (NIRVSS) Instrument

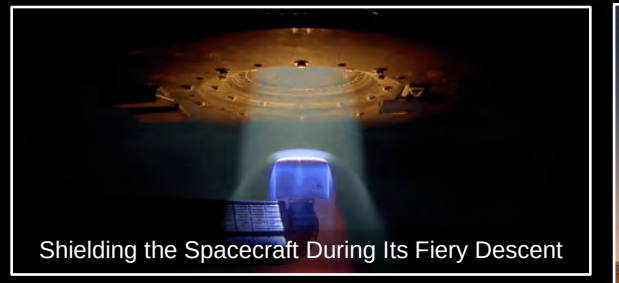
MARS

Perseverance Rover and Ingenuity Helicopter


Testing a Parachute Made for Mars

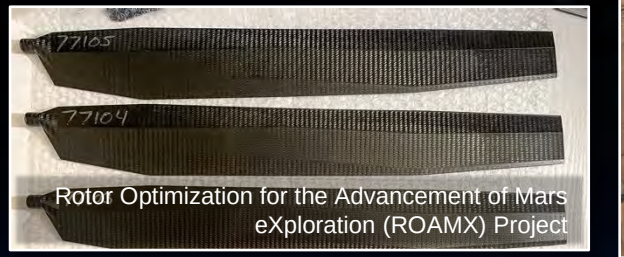

July 30, 2020




Shielding the Spacecraft During Its Fiery Descent


Feb 18, 2021


Measuring the Extreme Environment During Landing



Rotor Optimization for the Advancement of Mars eXploration (ROAMX) Project


Perseverance's Selfie at "Rochette"
September 10, 2021


Ingenuity's Second Flight As Seen by Perseverance
April 22, 2022

James Web Space Telescope (JWST)







