National Aeronautics and Space Administration

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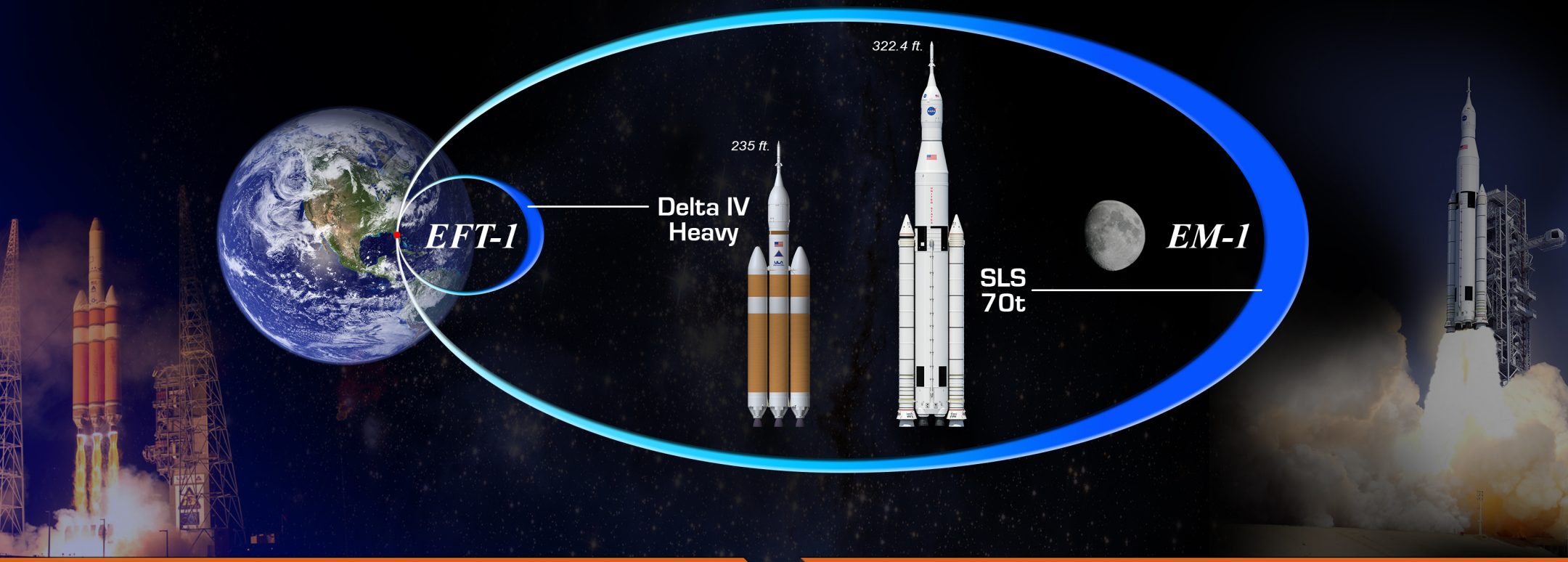
The Rockets

A DEEPER PURPOSE

The Missions

A BOLDER MISSION



DELTA IV HEAVY

EXPLORATION FLIGHT TEST ONE (EFT-1)

SPACE LAUNCH SYSTEM (SLS)

EXPLORATION MISSION ONE (EM-1)

www.nasa.gov/sls

DELTA IV HEAVY

Orion's Flight Test

CAPABILITY TO LOW-EARTH ORBIT (LEO):
26 metric tons

PAYLOAD:
Critical crew module systems and basic LAS/SM structure

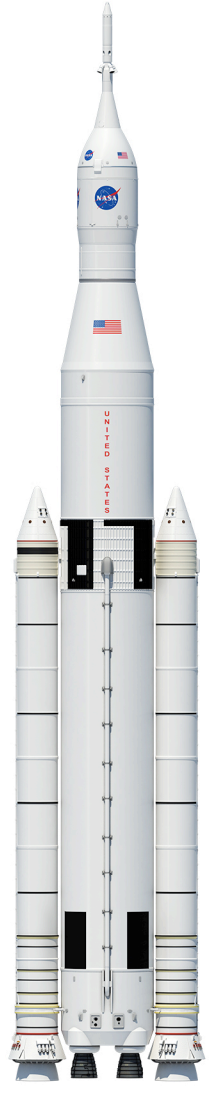
OBJECTIVE:
Acquire data at beyond-Earth orbit reentry velocities

DISTANCE FROM EARTH:
3,600 miles

DURATION:
5 Hours

SLS

Exploration Mission One (EM-1)



CAPABILITY TO LOW-EARTH ORBIT (LEO):
70 metric tons

PAYLOAD:
Full Orion (Unmanned)

OBJECTIVE:
System readiness for astronauts to travel farther than humans have ever gone before

DISTANCE FROM EARTH:
Will break the distance record reached by the most remote Apollo spacecraft, and then 30,000 miles farther out (275,000 total miles)

DURATION:
22 Days