

## ASTR 4800: Space Science - Practice & Policy

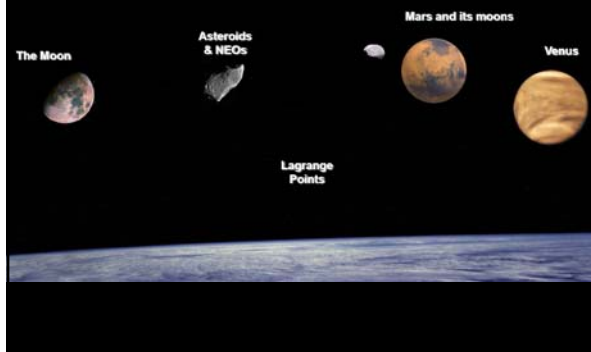
- Today's Topic: **Augustine Committee report on the Future of Human Space Flight with Norm Augustine.**
- Next class: Mars MAVEN mission – guest Dr. Nick Schneider.
- Read: link to MAVEN website on class webpage.
- **Midterm paper due Oct. 30.**



### Augustine Report

- Insufficient funds to fly Shuttle until 2011, maintain ISS until 2020, and return to the Moon by 2020.
- Viable exploration program is possible if NASA's budget is increased by \$3B/yr above FY10 budget profile.
- If we explore, what is (are) our destination(s)?

## Destinations Beyond Low Earth Orbit



### Augustine Report

- *Moon First* – Moon 1<sup>st</sup> destination beyond LEO by mid 2020's, extend ISS to 2020, funds technology advancement, commercial vehicles to LEO.
- *Flexible Path* – Beginning in early 2020's: lunar fly-bys, visits to L2, NEOs, & possible Mars fly-bys; possible lunar surface return by mid to late 2020's.