

Results of the 2016 Planetary Mission Senior Review (PMSR)

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Nine Planetary Missions Reviewed

Planetary Science conducted a Senior Review of all operating missions that will have completed prime operations by the end of FY16

- Missions Reviewed:
 - Curiosity/Mars Science Laboratory
 - Dawn
 - Lunar Reconnaissance Orbiter (LRO)
 - Mars Atmosphere and Volatile Evolution (MAVEN)
 - Mars Express (MEx)
 - Mars Reconnaissance Orbiter (MRO)
 - New Horizons
 - Odyssey
 - Opportunity/Mars Exploration Rover

Senior Review Summary

- Top Recommendation: “The Panel unanimously believes that all (missions) should be approved for extension.”

MISSION	Panel Rating
Mars Reconnaissance Orbiter (MRO)	EXCELLENT
New Horizons	EXCELLENT
Lunar Reconnaissance Orbiter (LRO)	EXCELLENT/Very Good
Mars Atmosphere & Volatile Evolution (MAVEN)	EXCELLENT/Very Good
Opportunity/Mars Exploration Rover	EXCELLENT/Very Good
Curiosity/Mars Science Laboratory	Very Good
DAWN - Ceres	Very Good/Good
Odyssey	Very Good/Good
Mars Express (MEx)	Good
DAWN - Adeona	Good/Fair

PSD Direction to Extended Missions

- All 9 missions have been directed to plan for continued operations through FY17 and FY18.
- Kuiper Belt Extended Mission (New Horizons) is extended to 2021 with target flyby to occur in January 2019
- The Dawn mission will remain at Ceres
- Final decisions are subject to the availability of appropriated funds and the outcome of the annual budget process.