



# 2019/2020 Planetary Mission Senior Review



NASA HQ Planetary Science Division  
Planetary Mission Senior Review (PMSR)

Update to PAC on 2019/2020 PMSRs

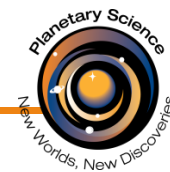
December 6, 2019

William Knopf

Lead Program Executive for Mission Operations



# Agenda



- PSD Direction to Extended Missions evaluated in 2019 PMSR
- 2020 PMSR Status Update
- 2019 → 2020 PMSR – Addressing Lessons Learned
- 2020 PMSR Notional Schedule



# 2019 PMSR – PSD Direction to Extended Missions



- PSD is still in the process of writing direction letters for the six missions reviewed in 2019
  - So far, LRO has been informed
  - Awaiting decisions on Mars missions



- Missions included in 2020 PMSR
  - InSight
  - Juno
- Missions excluded from 2020 PMSR
  - Kuiper Belt Extended Mission (New Horizons) is extended to 2021; target flyby (MU69/Arrokoth) occurred in January 2019
    - *Will NOT be subject to special out-of-cycle 2020 PMSR*
  - OSIRIS-REx still in prime mission
- Final decisions by PSD DD are subject to the availability of appropriated funds and the outcome of the annual budget process.



- ***Many*** issues identified with this FACA-based review
  - Plan to follow **recently**-approved Heliophysics approach for the 2020 PMSR
    - PSD will present **our PMSR plan** to SMD Management **in** December for approval
- NRESS staff did an excellent job
  - Held true again for this PMSR
- Technical/engineering expertise not uniform on panel
  - Additional panelists will be added with engineering/operations expertise
- Projects “largely” ignored questions sent by panelists prior to the F2F presentation
  - Panel will ask questions in real-time at F2F presentation; questions must be addressed before conclusion of F2F meeting to the panel’s satisfaction

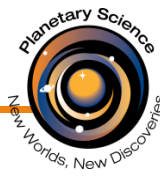


## 2019 → 2020 PMSR – Addressing Lessons Learned (continued)

- An improved template in NSPIRES should help to simplify the review process for the panelists
- The “unlimited” appendix page count will be replaced with a maximum page count
  - Proposers tend to put critical content in the appendix, so reviewers are forced to read everything (unreasonable request)



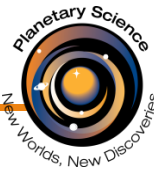
# 2020 PMSR – Notional Schedule



- Nov 2019: PSD DD approves ToR for SME Panel
- Dec 2019: Plan presented to SMD Management for approval
- Early Jan 2020: Draft call for proposals issued
- Mid Jan 2020: Comments from flight projects due
- Late Jan 2020: Final call for proposals issued
- Late Mar 2020: Senior Review proposals due/submitted to NSPIRES
- Mid Apr 2020: SME Panel meets
- Early May 2020: Reports from SME panel due to PSD DD
- June 2020: PSD DD informs PAC of extended mission decisions



# Update to PAC on 2019/2020 PMSRs



**Questions?**