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
• 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
• 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

<table>
<thead>
<tr>
<th>Date Range</th>
<th>Event Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nov 2019:</td>
<td>PSD DD approves ToR for SME Panel</td>
</tr>
<tr>
<td>Dec 2019:</td>
<td>Plan presented to SMD Management for approval</td>
</tr>
<tr>
<td>Early Jan 2020:</td>
<td>Draft call for proposals issued</td>
</tr>
<tr>
<td>Mid Jan 2020:</td>
<td>Comments from flight projects due</td>
</tr>
<tr>
<td>Late Jan 2020:</td>
<td>Final call for proposals issued</td>
</tr>
<tr>
<td>Late Mar 2020:</td>
<td>Senior Review proposals due/submitted to NSPIRES</td>
</tr>
<tr>
<td>Mid Apr 2020:</td>
<td>SME Panel meets</td>
</tr>
<tr>
<td>Early May 2020:</td>
<td>Reports from SME panel due to PSD DD</td>
</tr>
<tr>
<td>June 2020:</td>
<td>PSD DD informs PAC of extended mission decisions</td>
</tr>
</tbody>
</table>
Questions?