

## Details on the Outlook for FY22 Heliophysics Research Funding

October 2021

Though Heliophysics would receive an overall ~6% budget increase in the PBR (\$797M for FY22, up from \$751M enacted in FY21; see summary table below), all of that increase and more is tied up in required increases in support for the IMAP STP mission as it moves to Phase C, and to progress the GDC and DYNAMIC missions for LWS and STP, respectively. There was thus a very real risk of losing support for the vital “Research & Analysis” (R&A) funding line that supports the grant-focused programs that sustain so many members of our research communities.

Over the last month or so, members of the SPA and SPD committees, accompanied by key constituent members of the SPA and SPD, held a series of meetings with key Senate offices on both sides of the aisle. We aggressively advocated for an increased FY22 appropriation that would enable the both the required funding increases for the aforementioned missions as well as maintaining the level of support for R&A. We also called for continued robust support for Heliophysics research at other agencies such as the NSF, NOAA, and DoE. Overall, we have received bipartisan words of support and appreciation for our field and our work from the staffers with whom we have engaged. After these meetings, the Senate Commerce, Justice and Science (CJS) Appropriations bill came out with a significantly increased level of support for Heliophysics, including “\$77,000,000 for Heliophysics Research and Analysis, an increase of \$25,000,000 above the [President’s Budget] request” - see

[https://www.appropriations.senate.gov/imo/media/doc/CJSRept\\_Final.PDF](https://www.appropriations.senate.gov/imo/media/doc/CJSRept_Final.PDF).

We will continue to work toward the goal of sustaining this increased appropriation through the full Senate budget process and then through the reconciliation process between the House and Senate.

<i>(All figures in \$M USD)</i>	<b>FY21 Enacted</b>	<b>FY22 PBR</b>	<b>FY22 House Appropriation</b>	<b>FY22 Senate CJS Appropriation</b>
<b>NASA HELIOPHYSICS</b>	<b>751.0</b>	<b>796.7</b>	<b>773.0</b>	<b>825.7</b>
<b><i>Heliophysics Research</i></b>	<b>280.8</b>	<b>210.6</b>	<b><i>not specified</i></b>	<b>235.5</b>
Research and Analysis	77.0	52.0	<i>not specified</i>	77.0
Sounding Rockets	73.6	60.1	<i>not specified</i>	<i>not specified</i>
Research Range	32.0	26.4	<i>not specified</i>	26.4
Other Missions and Data Analysis	98.2	72.0	<i>not specified</i>	<i>not specified</i>
<b><i>Living with a Star</i></b>	<b>148.2</b>	<b>115.3</b>	<b><i>not specified</i></b>	<b>119.3</b>
<b><i>Solar Terrestrial Probes</i></b>	<b>132.2</b>	<b>253.3</b>	<b>\$253.3</b>	<b>253.4</b>
IMAP	66.2	169.6	<i>not specified</i>	<i>not specified</i>
Other Missions and Data Analysis	66.0	83.8	<i>not specified</i>	<i>not specified</i>
<b><i>Heliophysics Explorer Program</i></b>	<b>170.7</b>	<b>189.2</b>	<b><i>not specified</i></b>	<b>189.2</b>
<b><i>Heliophysics Technology</i></b>	<b>19.2</b>	<b>28.3</b>	<b><i>not specified</i></b>	<b>28.3</b>

On behalf of:

### **SPA Advocacy Committee**

Ian Cohen, Chair (APL)  
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