

Advance Notice of B.14 HSO Data Support, a New ROSES Program Element to Enhance Parker Solar Probe Science Return

The Heliophysics Division of NASA's Science Mission Directorate intends to release a new program element in Appendix B of ROSES-2019 to enhance science return from the Parker Solar Probe (PSP) mission.

B.14 Heliophysics System Observatory (HSO) Data Support, will be released in July 2019. B.14 HSO Data Support will solicit quick turn-around proposals for ground-based solar and coronagraphic observations that would complement and provide context for the Parker observations; these would be expected to cover as much as possible of the 30 days before and 30 days after September 2019 PSP perihelion, and the three perihelia in 2020 (January, June, September).

B.14 HSO Data Support will require the acquisition, processing, and archiving of data from ground-based assets; a limited amount of funding will be available to cover required tasks in excess of normal operations. HSO Data Support will only solicit ground-based solar and coronagraphic observations; later calls will be open to a wider array of ground-based assets.

As part of this program element, NASA will release information about the ingestion of the data into Solar Data Analysis Center (SDAC). All data will be in FITS format, with appropriate metadata and documentation delivered.

Due to the fact that the first perihelion will occur in September 2019, 8-page proposals to B.14 HSO Data Support will be due only 30 days after release. This program element will solicit 8-page proposals covering only the September 2019 and the 2020 PSP perihelia.

B.14 HSO Data Support will request proposals that focus on describing observatory capabilities, data sets, and will describe how these observations complement those of the PSP mission. While NASA expects observatories to interact with the PSP science team to optimize data acquisition, no science investigation will be funded as part of an award from B.14 HSO Data Support.

Future announcements will provide details on future new program elements enhancing science from PSP and other missions in the Heliophysics System Observatory. These announcements are expected to include another call for ground-based solar observations (like HSO Data Support described above), including those for previous PSP perihelia.

Questions may be directed to Jeffrey Hayes at jeffrey.hayes-1@nasa.gov. Questions may result in improvements to B.14 HSO Data Support program element of ROSES-19 prior to release or may be answered in writing in a FAQ posted on the NSPIRES page for B.14 HSO Data Support shortly after the release of the call by an amendment to ROSES-2019.