Update on the NASA HPDE

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The NASA Heliophysics Data Environment has been actively adding datasets (PSP, ICON, GOLD, SolO, etc.); working on moving the large SDO data archive to the Solar Data Analysis Center at GSFC; adding DOIs to NASA datasets; and other projects. The NASA HPDE has also been working with NASA HQ to develop a "data system of the future" known as the NASA Heliophysics Digital Resource Library (HDRL), which will also include modeling (centered at CCMC). The intent is to provide uniform dataset access and to allow seamless data-model integration to facilitate a more complete understanding of complex Heliophysics systems. We are exploring options for implementing cloud storage, keeping computing near to large data archives, and using integrated datasets and novel methods to gain new insights. Many of these efforts use an increasingly integrated set of Python routines as a basis.

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