

The Virtual Solar Observatory: What Are We Up To Now?

J.B. Gurman (NASA GSFC), F. Hill, F. Suárez-Solá (NSO), R. Bogart, A. Amezcua (Stanford U.), P. Martens (Montana State U.), J. Hourclé, K. Hughitt (ADNET/NASA GSFC), A. Davey (SAO)

In the nearly ten years of a functional Virtual Solar Observatory (VSO), <http://virtualsolar.org/>, we have made it possible to query and access sixty-seven distinct solar data products and several event lists from nine spacecraft and fifteen observatories or observing networks. We have used existing VSO technology, and developed new software, for a distributed network of sites caching and serving SDO HMI and/or AIA data. We have also developed an application programming interface (API) that has enabled VSO search and data access capabilities in IDL, Python, and Java.

We also have quite a bit of work yet to do, including completion of the implementation of access to SDO EVE data, and access to some nineteen other data sets from space- and ground-based observatories. In addition, we have been developing a new graphic user interface that will enable the saving of user interface and search preferences. We solicit advice from the community input prioritizing our task list, and adding to it.