



Using HELIO to address use cases involving multi-point observations from different parts of the Solar System

R.D. Bentley for the HELIO Team

(1) University College London, United Kingdom (rdb@mssl.ucl.ac.uk / Fax: +44-1483-278312)

Abstract

The Heliophysics Integrated Observatory, HELIO, is creating a distributed network of services that will address the needs of a broad community of researchers in heliophysics. It provides integrated access to data from the solar and heliospheric communities, and to magnetospheric and ionospheric data from the geophysics and planetary communities.

HELIO is now in its third year and almost all the services define in the architectural design have been deployed and can be used by the community. It can be used to address science use cases that span disciplinary boundaries and the capabilities of the project are evolving as the system is being used in this way.

Many of the services have important capabilities but two key achievements are that the event catalogue contains more than 40 event lists from various communities and the access service provides access to more than 160 instruments from over 45 observatories.

We will report on the current status of the and illustrate how HELIO can be used to address some of the use cases.

HELIO is a Research Infrastructures funded under the Capacities Specific Programme within the European Commission's Seventh Framework Programme (FP7; Project No. 238969).