EPSC Abstracts
Vol. 9, EPSC2014-763-1, 2014
European Planetary Science Congress 2014

APIS : a value-added database of HST UV planetary auroral observations acquired since 1997

L. Lamy (1), F. Henry (1), R. Prangé (1) and P. Le Sidaner (2)
(1) LESIA, Observatoire de Paris-CNRS, Meudon, France (laurent.lamy@obspm.fr), (2) Observatoire de Paris, Paris, France.

Abstract

The APIS service http://lesia.obspm.fr/apis/ (Auroral Planetary Imaging and Spectroscopy), aimed at facilitating the use of planetary auroral observations, was presented at EPSC last year, following its opening to the community in July 2013.

This facility consists of :
- a high level database derived from public Far-UV observations of Jupiter, Io, Ganymede, Saturn, Titan and Uranus acquired by the Hubble Space Telescope since 1997 (36 observational campaigns so far) ;
- a specific search interface (Figure 1), aimed at browsing the database freely, quickly and efficiently through relevant search criteria (as planetary longitudes, moon or spacecraft ephemeris etc.).
- Virtual-Observatory tools which enable the user to interactively work with images and spectra online.

We will present the updated capabilities of APIS and illustrate them with several examples. Several tutorials are also directly available online.

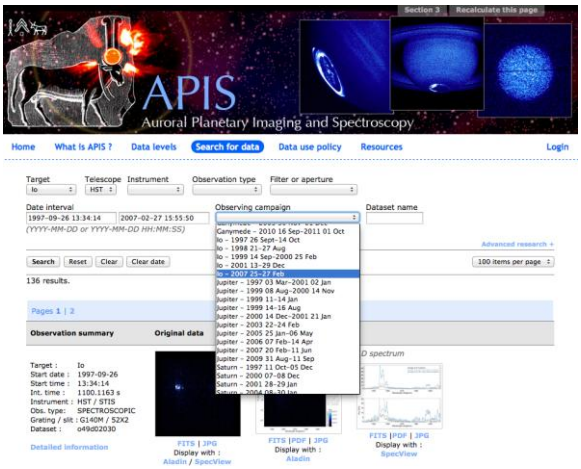

Fig. 1 : The APIS various data levels can be browsed quickly with a dedicated search interface.