
Virtual Observatory tools

William Thuillot*¹ and Florent Deleffie*¹

¹Institut de Mécanique Céleste et de Calcul des Ephémérides – Université de Lille, Sciences et Technologies, Université Pierre et Marie Curie - Paris 6, Observatoire de Paris, Centre National de la Recherche Scientifique – France

Résumé

The two groups NEO and DEB will be joined together to follow a common session dedicated to the use of several online tools useful for astronomical data manipulation. These tools, available on vo.imcce.fr and specifically focused on Solar system objects, are connected to the IMCCE database, and are also made compatible with other classical tools developed by other research groups, such as Aladin. Aladin is an interactive sky atlas allowing the user to visualize digitized astronomical images or full surveys, superimpose entries from astronomical catalogues or databases, and interactively access related data and information. These tools are called "interoperable", in the framework of a worldwide initiative called the Virtual Observatory (VO), that will be presented as well during the session. As for the other sessions of this day, individual computers will be available for hands-on exercises. Multiple topics particularly well adapted to VO will be discussed, and several applications will be proposed, and among them: how to identify Solar system Objects in a CCD Field Of View; how to compute ephemerides and to get some graphical representation of visibility conditions even for a massive number of data.

*Intervenant