

Jupiter and Saturn Magnetospheric Active Archives at CDP in support of the JUICE and Cassini missions

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Abstract

AMDA (Automated Multi-Dataset Analysis, <http://cdpp-amda.cesr.fr/>) is a web-based facility developed at CDP Toulouse in France (<http://cdpp.cesr.fr>) for on line analysis of space physics data (heliosphere, magnetospheres, planetary environments) coming from either its local database or distant ones.

We will report the status of our current technical and scientific efforts to integrate in the local database of AMDA Jupiter- and Saturn-related magnetospheric datasets from heterogeneous sources, including NASA/Planetary Data System (<http://ppi.pds.nasa.gov/>). We will also present our prototype Virtual Observatory activities to connect the AMDA tool to the IVOA Aladin astrophysical tool to enable pluridisciplinary studies of giant planet auroral emissions. This will be offered as a service of the scientific community in order to enhance the science return of the NASA/Cassini mission and in preparation of the JUICE mission.