

Distribution of scientific data from ESA's planetary missions via the Planetary Science Archive (PSA)

D. Heather(1), J. Zender(1), C. Arviset(2)

(1) European Space Agency, ESTEC, Keplerlaan 1, 2201 AZ Noordwijk, The Netherlands, dheather@rssd.esa.int, (2) European Space Agency, ESAC, Villafranca del Castillo, 28080 Madrid, Spain

The Planetary Science Archive (PSA) is an online archive facility supporting all of ESA's planetary missions. Scientific and ancillary data from all of ESA's planetary missions will be distributed via the PSA, which is open to the worldwide scientific community, and should be the first port of call for all scientists looking for ESA planetary data. Currently, the PSA contains data from Giotto, several ground-based observatories, and Mars Express. In the long run, the PSA will also be the repository for missions such as Huygens, SMART-1, Rosetta and Venus Express.

This presentation gives a demonstration of the use and functionality of the PSA to show how data products and data sets should be queried, requested and retrieved from the archive.

An overview of the data flow from the spacecraft to the scientific community is also provided. The data release policy and the envisaged schedule of the expected data releases are given, and the archive process is detailed including the definition of data types and products, database ingestion and reviews for all instruments on-board ESA's planetary missions.