



The Planetary Science Archive (PSA)

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The Planetary Science Archive (PSA) is ESA's long term scientific archive. It is used to distribute scientific data from ESA's planetary missions to the wider scientific community. It is a web-based service incorporating search, preview, download, notification and 'shopping basket' functionality.

There are two types of user interface – advanced search and map-based search. A combination of the two is also possible. The advanced interface utilises parameters inputted by the user via a series of drop-down menus and a logic-type combination of query panels. The map-based interface allows the user to 'click and drag' a box containing the region of interest on a map of the planet. The data resulting from the search can then be downloaded or ordered via a 'delivery basket'.

The archive currently contains scientific and engineering data from Mars Express' (MEX), Smart-1, Giotto and cometary ground-based observations. All of the data sets are PDS-compliant.

The PSA can be accessed through ESA's RSSD website:
www.rssd.esa.int/?project=PSA

The poster demonstrates the use of the PSA services to search and locate, preview and retrieve the data of interest, using both map-based and advanced search strategies. This will show how to express complex queries quickly.