



Mars Express Scientific Data Distribution via ESA's Planetary Science Archive

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The scientific data from ESA's planetary missions are made accessible to the world-wide scientific community via the Planetary Science Archive (PSA). The PSA consists of web-based services incorporating search, preview, download, notification and shopping basket functionality. Besides data from the GIOTTO spacecraft and several ground-based cometary observations, the PSA contains data from the Mars Express and Smart-1 spacecraft. Data from ROSETTA, HUYGENS and Venus Express will be ingested in the future. In general, spacecraft and instrument housekeeping and calibration data is provided along with the instrument science data. Required documentation to understand the instrument and the instrument calibration are provided. All datasets within the PSA are based on the PDS Standard and are fully PDS-compliant.

The poster demonstrates the use of the PSA services to search and locate, pre-view and retrieve the data of interest for Mars Express. Several different search strategies will be shown to quickly express complex queries.