

**PLANETARY LITERATURE IN THE ADS ABSTRACT SERVICE.** Guenther Eichhorn, Alberto Accomazzi, Carolyn S. Grant, Michael J. Kurtz, Stephen S. Murray, *Smithsonian Astrophysical Observatory, 60 Garden St., Cambridge, MA 02138, USA.*

The ADS Abstract service provides access to abstracts and references for the astronomical and planetary sciences community. The ADS is sponsored by NASA, and access is free for anybody world-wide via the World Wide Web. Currently there are more than 1 million abstracts and references in the ADS. The data include the LPI bibliography back to 1978.

The abstracts database can be searched by author, title, and abstract words and various combinations of these fields. For some of the conference abstracts from the LPI we also have indexed the object names (lunar sample numbers, meteorite names). Searches can be filtered by journal, publication date, and several other criteria.

We also have scanned a large part of the astronomical literature and provide access to the scanned article images. We currently have over 600,000 scanned pages on-line. This includes the book "Basaltic Volcanism on the Terrestrial Planets." We are currently in the process of scanning the historical literature. Eventually we plan to have all the journals that give us permission for scanning on-line back to volume 1.

In the last year the data holdings in the ADS for planetary literature have increased considerably. We now have agreements with Meteoritics to get abstracts and to scan back issues of Meteoritics. Icarus provides us with abstracts and reference lists. The reference lists are used to build a citation database that provides information about articles that cite a given paper. The Central Bureau for Astronomical Telegrams is working with us and provides us with all IAU Circulars. The Minor Planet Center provides us with the Minor Planet Electronic Circulars. An agreement with the AGU was reached recently

that will provide us with tables of contents for the JGR issues relevant to planetary sciences. In the near future we will also get abstracts from the AGU for the electronically submitted articles. For several other journals we get tables of contents. Two journals (Icarus and Earth & Planetary Science Letters) are on-line in electronic form and we provide links to these on-line articles.

We are working with the Planetary Data System to provide links from the ADS to the data holdings in the PDS. We currently have links to 4 data sets. We expect to expand these links in the near future.

The ADS is used by about 12,000 users, making 300,000 queries and retrieving over 5 million references per month. In order to improve access for non-US users, we have two mirror sites, one in France at the CDS in Strasbourg, and one in Japan at NAO in Tokyo. The mirror site in France currently has only the abstract database, the site in Japan has both the abstracts and the scanned articles.

The ADS Abstract Service can be accessed though the World Wide Web at:

[http://adsabs.harvard.edu/ads\\_abstracts.html](http://adsabs.harvard.edu/ads_abstracts.html)

The ADS Homepage is at:

<http://adswwww.harvard.edu>

For more information contact us at:

[ads@cfa.harvard.edu](mailto:ads@cfa.harvard.edu)

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#### Journals in the ADS Abstract Service

Journal	ToC	Abstracts	References	Scanning	Links to on-line articles
Icarus	x	x	x	(a)	x
Meteoritics & Planetary Sci.	x	x			x
JGR Planets & JGR Space Physics	x	(b)			
Earth & Planetary Science Letters	x				x
Planetary & Space Science	x				
Geochimica et Cosmochimica Acta	x				
Physics of Earth & Planet. Interior	x				
IAU Circulars	x	x			x
Minor Planet Electronic Circulars	x	x			x

(a) Discussions about scanning back issues of Icarus have been started.

(b) JGR abstracts will be available soon. We are currently working with the AGU on establishing procedures to transfer data on a regular basis.