

THE NEW INTERNATIONAL GLE DATABASE

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The Australian Antarctic Division has agreed to host the international GLE database. Access to the database is via a world-wide web interface and initially covers all GLEs since the start of the 22nd solar cycle. Access restrictions for recent events is controlled by password protection and these data are available only to those groups contributing data to the database. The restrictions to data will be automatically removed for events older than 2 years, in accordance with the data exchange provisions of the Antarctic Treaty. Use of the data requires acknowledgement of the database as the source of the data and acknowledgment of the specific groups that provided the data used. Furthermore, some groups that provide data to the database have specific acknowledgement requirements or wording.

A new submission format has been developed that will allow easier exchange of data, although the old format will be acceptable for some time. Data download options include direct web based download, ftp and email. Data may also be viewed as listings or plots with web browsers. Search options have also been incorporated.

Development of the database will be ongoing with extension to viewing and delivery options, addition of earlier data and the development of mirror sites. It is expected that two mirror sites, one in North America and one in Europe, will be developed to enable fast access for the whole cosmic ray community.