

#818

ULYSSES

90-090B-07B PSSB-00026

DUST DETECTOR PARTICLE EVENT

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1. INTRODUCTION:

The documentation for this data set was originally on paper, kept in NSSDC's Data Set Catalogs (DSCs). The paper documentation in the Data Set Catalogs have been made into digital images, and then collected into a single PDF file for each Data Set Catalog. The inventory information in these DSCs is current as of July 1, 2004. This inventory information is now no longer maintained in the DSCs, but is now managed in the inventory part of the NSSDC information system. The information existing in the DSCs is now not needed for locating the data files, but we did not remove that inventory information.

The offline tape datasets have now been migrated from the original magnetic tape to Archival Information Packages (AIP's).

A prior restoration may have been done on data sets, if a requestor of this data set has questions; they should send an inquiry to the request office to see if additional information exists.

2. ERRATA/CHANGE LOG:

NOTE: Changes are made in a text box, and will show up that way when displayed on screen with a PDF reader.

When printing, special settings may be required to make the text box appear on the printed output.

Version	Date	Person	Page	Description of Change
01				
02				

3 LINKS TO RELEVANT INFORMATION IN THE ONLINE NSSDC INFORMATION SYSTEM:

<http://nssdc.gsfc.nasa.gov/nmc/>

[NOTE: This link will take you to the main page of the NSSDC Master Catalog. There you will be able to perform searches to find additional information]

4. CATALOG MATERIALS:

- a. Associated Documents To find associated documents you will need to know the document ID number and then click here.
<http://nssdcftp.gsfc.nasa.gov/miscellaneous/documents/>

- b. Core Catalog Materials

ULYSSES

DUST DETECTOR PARTICLE EVENT LISTING

90-090B-07B PSSB-00026

THIS DATA SET CONSISTS OF 1 MAGNETIC TAPE. THE D-TAPE IS A 9-TRACK AND THE C-TAPE IS A 3480 CARTRIDGE, 6250 BPI. CREATED ON VAX COMPUTER, WRITTEN IN ASCII, LABEL NAME "ULYDUS". A DIRECTORY OF THE TAPE AS WELL A COPY OF THE SUPPORT DOCUMENTATIONS, AND FORMAT HAVE BEEN INCLUDED IN THE CATALOG.

THE D AND C NUMBERS ALONG WITH IT'S TIME SPAN IS LISTED BELOW.

D#	C#	FILES	TIMESPAN
---	---	-----	-----
D-109079	C-033063	6	10/28/90 - 12/28/95

Directory/Listing:

ULYDUS.FMT;8 DUST.DAT;3

Total of 2 files.

WARNING:

The Ulysses DUST data set of particle events for 1990 - 1995 has been removed from this on-line site but remains in the off-line archive as data set 90-090B-07B. Users are advised to contact the experiment team (data set contact: Dr. Harald Krueger, MPI-Heidelberg, krueger@galileo.mpi-hd.mpg.de) about the current status of these data before requesting them from NSSDC. More complete data from this experiment are currently being ingested for peer review by the Small Bodies Node of the Planetary Data System (SBN/PDS). Please contact Dr. Mark Sykes (sykes@as.arizona.edu) for the status the PDS ingest process.

11/19/98 J. F. Cooper

File: ULYDUS.fmt

Version: NSSDCA 3/27/98 JFC

Data Listing from the Ulysses Dust Experiment for 1990 - 1995

Data File: DUST.DAT

Note: The following data description was copied from the DUST experiment data set on the Ulysses Data System (UDS) as provided by the experiment team. These data are not publicly accessible through UDS.

DUST FILE FORMAT (REFERENCE: A&A, 92, 2 page 411;
Gruen, E. et al., Two Years of Ulysses Dust
Data, in press, Planet. Space Sci., 1994;
Gruen, E. et al., Reduction of Galileo and
Ulysses Dust Data, in press, Planet. Space
Sci., 1994)

LOCATION: ESTUDS::DKA500:[UDS.DUST]DUST.DAT;1

UDS REPRESENTATIVE: H. Kreuger (krueger@galileo.mpi-hd.mpg.de)

RECORD FORMAT:

C FIXED FORMAT

```
      READ(1,100) IYEAR, IDOY, IHOUR, IMIN, ISEC,  
                S_LONG, S_LAT, SPEED, ESPEED, XMASS, EXMASS  
100  FORMAT(I4,X,I3,X,3(X,I2),  
          .   2X,2(2X,F5.1),X,F11.2,X,F7.1,XE11.3,X,F9.2)
```

PARAMETER LIST:

IYEAR: year
IDOY: day of year
IHOUR: hour
IMIN: minute
ISEC: second
S_LONG: ecliptic longitude of DUST sensor boresight (degree)
S_LAT: ecliptic latitude of DUST sensor boresight (degree)
SPEED: impact speed (km/s)
ESPEED: impact speed error factor
XMASS: mass (g)
EXMASS: mass error factor

TIME RESOLUTION: N/A (< 10 minutes)

NOTES: speed and mass values for dust impact events with a velocity error factor greater than 6 should be discarded.

999 is fill flag for S_LONG and S_LAT.