#597

PIONEER VENUS-2

78-078A-02B

BIMS DATA, 850-140 KM DATA

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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 This inventory information is now no longer maintained in the DSCs, but is now managed in the inventory part of the NSSDC information system.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

PIONEER VENUS 2

BIMS DATA, 850-140 KM DATA ON TAPE

78-078A-02B PSPA-00129

THIS DATA SET HAS BEEN RESTORED. THERE WAS ORIGINALLY ONE 9-TRACK, 1600 BPI TAPE, WRITTEN IN ASCII. THERE IS ONE RESTORED TAPE. THE DR TAPE IS A 3480 CARTRIDGE AND THE DS TAPE IS A 9-TRACK, 6250 BPI. THE TAPE WAS CREATED ON AN IBM 360 COMPUTER. THE DR AND DS NUMBERS ALONG WITH THE CORRESPONDING D NUMBER AND TIME SPAN IS AS FOLLOWS

DR#	DS#	DD#	FILES	TIME SPAN
DR03816	DS03816	D57809	1	12/09/78 - 12/09/78

REQ. AGENT	RE NO.	ACQ. AGENT
DEW	V0192	WSC

PIONEER VENUS-2

78-078A-02B

BIMS DATA,850-140 KM DATA

THIS DATA SET CONSISTS OF ONE TAPE. THE TAPE IS 1600 BPI, 9 TRACK, ASCII WITH ONE FILE OF DATA. THE TAPE WAS CREATED ON AN IBM 3081.

D#	C#	TIME SPAN
D-57809	C-23136	12/09/78

April 11, 1983

TO: NSSDC

FROM: H. Taylor/NASA/Goddard Space Flight Center/960

SUBJECT: Pioneer Venus BIMS Data Tape

PIONEER VENUS BIMS DATA TAPE

The tape is an unlabeled 1600 BPI tape containing one file. The data consist of 36 byte ASCII records in the following format.

Bytes 1-5 (I5) can be ignored. (this variable is used for orbit number on tapes containing PV OIMS data. The value 0 is is used for this variable on this tape.

Bytes 6-13 (I8) are the UT in tenths of seconds. To convert to a floating point time in seconds use UT=FLOAT(IUT)/10. where IUT is the INTEGER*4 variable read in from the tape as I8 fmt.

Bytes 14-21 (I8) Altitude in tenths of kilometers. Conversion to floating point similar to UT above.

Bytes 22-31 (I10) Ion Density in ions/cubic centimeter. (integer va)

Bytes 32-34 (I3 or 1X,I2) AMU for the measurement. (Atomic Mass Unit)

Bytes 35 & 36 NUL bytes (i.e. all bits 0) for ASCII termination.

This tape contains data for masses 1,2,4,12,14,16,28,30,32, & 44 for the time interval from 73053 to 73300 on day 343 of 1978. This corresponds to the altitude range 850 km down to approximatly 140 km. This is the only range of data which was retrievable from the EDR tapes received from ARC.

D57809
Pioneer Venus 2

```
$NOP
$NOP ********* ASCII LIST OF DO-1 ***********
$EXE TPLIST BS

INPUT PARAMETERS ARE:  AS SR=1=15 1

 TAPE NO.   1                FILE NO.   1
 RECORD   1                  LENGTH   36
      730529     8503           258  1

 TAPE NO.   1                FILE NO.   1
 RECORD   2                  LENGTH   36
      730531     8493           396 12

 TAPE NO.   1                FILE NO.   1
 RECORD   3                  LENGTH   36
      730532     8489             3 32

 TAPE NO.   1                FILE NO.   1
 RECORD   4                  LENGTH   36
      730533     8484            51  4

 TAPE NO.   1                FILE NO.   1
 RECORD   5                  LENGTH   36
      730534     8479             3 28

 TAPE NO.   1                FILE NO.   1
 RECORD   6                  LENGTH   36
      730535     8474          2947 16

 TAPE NO.   1                FILE NO.   1
 RECORD   7                  LENGTH   36
      730537     8470             0 44

 TAPE NO.   1                FILE NO.   1
 RECORD   8                  LENGTH   36
      730538     8465             1  2

 TAPE NO.   1                FILE NO.   1
 RECORD   9                  LENGTH   36
      730540     8455           266 14

 TAPE NO.   1                FILE NO.   1
 RECORD   10                 LENGTH   36
      730543     8441             0 30

 TAPE NO.   1                FILE NO.   1
 RECORD   11                 LENGTH   36
      730548     8422             0  1

 TAPE NO.   1                FILE NO.   1
 RECORD   12                 LENGTH   36
      730550     8413           257 12

 TAPE NO.   1                FILE NO.   1
 RECORD   13                 LENGTH   36
      730551     8408            54  4

 TAPE NO.   1                FILE NO.   1
 RECORD   14                 LENGTH   36
      730552     8403          2947 16

 TAPE NO.   1                FILE NO.   1
 RECORD   15                 LENGTH   36
      730553     8398           226 14
```