

DSC#807

GD-11E No New I.D. Recorded

GD-11F PSSB-00051

NSDF

ASTVOL95  
ASTVOL96

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 This inventory information is now no longer maintained in the DSCs, but is now managed in the inventory part of the NSSDC information system.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

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THIS DATASET CONSISTS OF 1 8MM CARTRIDGE, WHICH IS THE D TAPE AND ONE 4MM CARTRIDGE, WHICH IS THE C TAPE. THE TAPE WAS CREATED ON A UNIX SYSTEM. THE DATA HAVE BEEN WRITTEN UNIX TAR. CREATING MUTLIPL EFILES INSIDE THE TAR FILE. IT'S FORMAT IS ASCII. A TAR LISTING OF THE TAPE AS WELL AS A COPY OF THE AAREADME.TXT AND VOLDESC.CAT HAVE BEEN INCLUDED IN THE CATALOG. THE D AND C NUMBER ALONG WITH IT'S TIMESPAN IS LISTED BELOW.

D#	C#	FILES	TIMESPAN
D-1008768	C-032865	<u>2</u>	01/01/1801-02/16/95 (GD-11E) 01/01/1801-02/04/96 (GD-11F)

Listing of ASTVOL95

astvol95/aareadme.txt  
astvol95/voldesc.cat  
astvol95/catalog/3micron.cat  
astvol95/catalog/52color.cat  
astvol95/catalog/apc.cat  
astvol95/catalog/astermag.cat  
astvol95/catalog/astnames.cat  
astvol95/catalog/catalog.cat  
astvol95/catalog/catinfo.txt  
astvol95/catalog/discover.cat  
astvol95/catalog/ecas.cat  
astvol95/catalog/ecashost.cat  
astvol95/catalog/ecasinst.cat  
astvol95/catalog/imps.cat  
astvol95/catalog/pole.cat  
astvol95/catalog/radar.cat  
astvol95/catalog/ubvavg.cat  
astvol95/delivery/3micron.lbl  
astvol95/delivery/3micron.tab  
astvol95/delivery/52color.lbl  
astvol95/delivery/52color.tab  
astvol95/delivery/52error.lbl  
astvol95/delivery/52error.tab  
astvol95/delivery/52waves.lbl  
astvol95/delivery/52waves.tab  
astvol95/delivery/52waves2.lbl  
astvol95/delivery/52waves2.tab  
astvol95/delivery/apc.fit  
astvol95/delivery/apc.lbl  
astvol95/delivery/apcindex.lbl  
astvol95/delivery/apcindex.tab  
astvol95/delivery/apcinfo.lbl  
astvol95/delivery/apcinfo.tab  
astvol95/delivery/apcrefs.lbl  
astvol95/delivery/apcrefs.tab  
astvol95/delivery/astermag.lbl  
astvol95/delivery/astermag.tab  
astvol95/delivery/astnames.lbl  
astvol95/delivery/astnames.tab  
astvol95/delivery/discover.lbl  
astvol95/delivery/discover.tab  
astvol95/delivery/ecas.lbl  
astvol95/delivery/ecas.tab  
astvol95/delivery/ecasband.lbl  
astvol95/delivery/ecasband.tab  
astvol95/delivery/ecasfltr.lbl  
astvol95/delivery/ecasfltr.tab  
astvol95/delivery/ecasmean.lbl  
astvol95/delivery/ecasmean.tab  
astvol95/delivery/ecaspc.lbl  
astvol95/delivery/ecaspc.tab  
astvol95/delivery/ecasstds.lbl  
astvol95/delivery/ecasstds.tab  
astvol95/delivery/imps.lbl  
astvol95/delivery/imps.tab  
astvol95/delivery/pole.lbl

astvol95/delivery/pole.tab  
astvol95/delivery/poleref.lbl  
astvol95/delivery/poleref.tab  
astvol95/delivery/radar.lbl  
astvol95/delivery/radar.tab  
astvol95/delivery/ubvavg.lbl  
astvol95/delivery/ubvavg.tab  
astvol95/index/index.lbl  
astvol95/index/index.tab  
astvol95/index/indxinfo.txt

Dataset Delivery Tape  
PDS Small Bodies Node  
May 1996.

This medium was prepared for the sole purpose of conveying a group of autonomous datasets to the National Space Science Data Center (NSSDC). It contains final archival copies of several asteroid datasets which were peer-reviewed on March 31, 1995, and ingested into the Planetary Data System (PDS) permanent archives in May-August 1995.

Apart from the fact that all the datasets are concerned with asteroid observations and measurements, the catalogs included here are not directly connected and should not be viewed as a coherent collection or volume of data. It is not intended that they be redistributed as a set.

The medium and supporting files required for delivery were prepared by:

Carol Neese  
Small Bodies Node, Planetary Data System  
Planetary Science Institute  
620 North 6th Ave.  
Tucson, Arizona 85705-8331

For further information about the individual catalogs, please consult the PDS labels and templates specific to each dataset.

Catalogs included in this delivery, and the prior datasets superceded by each, if any.

Catalog	Description	Supercedes
3micron	Three micron observations of asteroids.	none
52color	Infrared spectrophotometry of asteroids.	none
apc	Asteroid Photometric Catalog (lightcurves).	none
astermag	Asteroid magnitudes and slopes.	astermag V1.0
astnames	Asteroid names and designations.	astnames V2.0
discover	Asteroid discovery circumstances.	discover V1.0
ecas	Eight Color Asteroid Survey.	ecas V1.0
imps	IRAS Minor Planet Survey diameters and albedos.	imps V1.0
pole	Asteroid pole directions.	pole V1.0
radar	Asteroid radar detections.	radar V1.0
ubvavg	Asteroid average UBV colors.	none

=====  
Carol Neese, May 1996.



PDS\_VERSION\_ID = PDS3

DESCRIPTION = "This medium contains the asteroid data files and required ancillary files which were reviewed in the Asteroid Datasets External Review held on March 31, 1995 at the Planetary Science Institute in Tucson, Arizona, under the auspices of the Small Bodies Node of the PDS. This medium was created for delivery purposes only and does not represent a logical grouping of datasets by content. It is not intended to be redistributed as a volume."

MEDIUM\_TYPE = "ELECTRONIC"  
PUBLICATION\_DATE = "1995-03-31"  
VOLUME\_FORMAT = "NONE"  
VOLUME\_ID = "SBN Delivery Volume - Asteroids, March 1995"  
VOLUME\_NAME = "SBN Delivery Volume - Asteroids, March 1995"  
VOLUME\_SERIES\_NAME = "SBN Delivery Volume - Asteroid Datasets"  
VOLUME\_SET\_ID = "SBN Delivery Volume - Asteroid Datasets"  
VOLUME\_SET\_NAME = "SBN Delivery Volume - Asteroid Datasets"  
VOLUME\_VERSION\_ID = "Version 0"  
VOLUMES = 0  
DATA\_SET\_ID = { "A-5-DDR-POLE-POSITION-V2.0", /\* 2 labels \*/  
"EAR-A-2CP-3-RDR-ECAS-V2.0", /\* 6 labels \*/  
"EAR-A-3-DDR-APC-LIGHT-CURVE-V1.0", /\* 4 labels \*/  
"EAR-A-3-RDR-THREEMICRON-V1.0", /\* 1 label \*/  
"EAR-A-5-DDR-ASTERMAG-V2.0", /\* 1 label \*/  
"EAR-A-5-DDR-ASTNAMES-V3.0", /\* 1 label \*/  
"EAR-A-5-DDR-DISCOVERY-V2.0", /\* 1 label \*/  
"EAR-A-5-DDR-RADAR-V2.0", /\* 1 label \*/  
"EAR-A-5-DDR-UBV-MEAN-VALUES-V1.0", /\* 1 label \*/  
"EAR-A-RDR-3-52COLOR-V1.0", /\* 4 labels \*/  
"IRAS-A-FPA-3-RDR-IMPS-V2.0", /\* 1 label \*/ }

OBJECT = DATA\_PRODUCER  
FULL\_NAME = "Carol Neese"  
FACILITY\_NAME = "Small Bodies Node of the Planetary Data System"  
INSTITUTION\_NAME = "Planetary Science Institute"  
ADDRESS\_TEXT = "Planetary Science Institute, 620 North Sixth Avenue,  
Tucson, Arizona 85705-8331"  
NOTE = "The data producer prepared the delivery volume,  
but the data sets themselves were prepared by various people. References  
for each data set are included in the associated data set catalog object."  
END\_OBJECT = DATA\_PRODUCER

OBJECT = CATALOG  
^CATALOG = "CATALOG.CAT"  
END\_OBJECT = CATALOG

OBJECT = FILE  
FILE\_NAME = "AAREADME.TXT"  
SEQUENCE\_NUMBER = 1  
RECORD\_TYPE = FIXED  
FILE\_RECORDS = 49  
RECORD\_BYTES = 80  
END\_OBJECT = FILE

OBJECT = FILE  
FILE\_NAME = "VOLDESC.CAT"  
SEQUENCE\_NUMBER = 2  
RECORD\_TYPE = FIXED

```
FILE_RECORDS = 22
RECORD_BYTES = 80
END_OBJECT = FILE

OBJECT = FILE
FILE_NAME = "DISCOVER.CAT"
SEQUENCE_NUMBER = 10
RECORD_TYPE = FIXED
FILE_RECORDS = 106
RECORD_BYTES = 80
END_OBJECT = FILE

OBJECT = FILE
FILE_NAME = "ECAS.CAT"
SEQUENCE_NUMBER = 11
RECORD_TYPE = FIXED
FILE_RECORDS = 101
RECORD_BYTES = 80
END_OBJECT = FILE

OBJECT = FILE
FILE_NAME = "ECASHOST.CAT"
SEQUENCE_NUMBER = 12
RECORD_TYPE = FIXED
FILE_RECORDS = 30
RECORD_BYTES = 80
END_OBJECT = FILE

OBJECT = FILE
FILE_NAME = "ECASINST.CAT"
SEQUENCE_NUMBER = 13
RECORD_TYPE = FIXED
FILE_RECORDS = 66
RECORD_BYTES = 80
END_OBJECT = FILE

OBJECT = FILE
FILE_NAME = "IMPS.CAT"
SEQUENCE_NUMBER = 14
RECORD_TYPE = FIXED
FILE_RECORDS = 74
RECORD_BYTES = 80
END_OBJECT = FILE

OBJECT = FILE
FILE_NAME = "POLE.CAT"
SEQUENCE_NUMBER = 15
RECORD_TYPE = FIXED
FILE_RECORDS = 134
RECORD_BYTES = 80
END_OBJECT = FILE

OBJECT = FILE
FILE_NAME = "RADAR.CAT"
SEQUENCE_NUMBER = 16
RECORD_TYPE = FIXED
FILE_RECORDS = 110
RECORD_BYTES = 80
END_OBJECT = FILE
```

FILE\_RECORDS = 593  
RECORD\_BYTES = 80  
END\_OBJECT = FILE

OBJECT = DIRECTORY  
NAME = "CATALOG"

OBJECT = FILE  
FILE\_NAME = "3MICRON.CAT"  
SEQUENCE\_NUMBER = 3  
RECORD\_TYPE = FIXED  
FILE\_RECORDS = 154  
RECORD\_BYTES = 80  
END\_OBJECT = FILE

OBJECT = FILE  
FILE\_NAME = "52COLOR.CAT"  
SEQUENCE\_NUMBER = 4  
RECORD\_TYPE = FIXED  
FILE\_RECORDS = 119  
RECORD\_BYTES = 80  
END\_OBJECT = FILE

OBJECT = FILE  
FILE\_NAME = "APC.CAT"  
SEQUENCE\_NUMBER = 5  
RECORD\_TYPE = FIXED  
FILE\_RECORDS = 168  
RECORD\_BYTES = 80  
END\_OBJECT = FILE

OBJECT = FILE  
FILE\_NAME = "ASTERMAG.CAT"  
SEQUENCE\_NUMBER = 6  
RECORD\_TYPE = FIXED  
FILE\_RECORDS = 153  
RECORD\_BYTES = 80  
END\_OBJECT = FILE

OBJECT = FILE  
FILE\_NAME = "ASTNAMES.CAT"  
SEQUENCE\_NUMBER = 7  
RECORD\_TYPE = FIXED  
FILE\_RECORDS = 109  
RECORD\_BYTES = 80  
END\_OBJECT = FILE

OBJECT = FILE  
FILE\_NAME = "CATALOG.CAT"  
SEQUENCE\_NUMBER = 8  
RECORD\_TYPE = FIXED  
FILE\_RECORDS = 20  
RECORD\_BYTES = 80  
END\_OBJECT = FILE

OBJECT = FILE  
FILE\_NAME = "CATINFO.TXT"  
SEQUENCE\_NUMBER = 9  
RECORD\_TYPE = FIXED

```
OBJECT      = FILE
FILE_NAME   = "UBVAVG.CAT"
SEQUENCE_NUMBER = 17
RECORD_TYPE = FIXED
FILE_RECORDS = 109
RECORD_BYTES = 80
END_OBJECT = FILE

END_OBJECT = DIRECTORY

OBJECT      = DIRECTORY
NAME       = "DELIVERY"

OBJECT      = FILE
FILE_NAME   = "3MICRON.LBL"
SEQUENCE_NUMBER = 18
RECORD_TYPE = FIXED
FILE_RECORDS = 140
RECORD_BYTES = 80
END_OBJECT = FILE

OBJECT      = FILE
FILE_NAME   = "3MICRON.TAB"
SEQUENCE_NUMBER = 19
RECORD_TYPE = FIXED
FILE_RECORDS = 2606
RECORD_BYTES = 44
END_OBJECT = FILE

OBJECT      = FILE
FILE_NAME   = "52COLOR.LBL"
SEQUENCE_NUMBER = 20
RECORD_TYPE = FIXED
FILE_RECORDS = 589
RECORD_BYTES = 80
END_OBJECT = FILE

OBJECT      = FILE
FILE_NAME   = "52COLOR.TAB"
SEQUENCE_NUMBER = 21
RECORD_TYPE = FIXED
FILE_RECORDS = 146
RECORD_BYTES = 384
END_OBJECT = FILE

OBJECT      = FILE
FILE_NAME   = "52ERROR.LBL"
SEQUENCE_NUMBER = 22
RECORD_TYPE = FIXED
FILE_RECORDS = 845
RECORD_BYTES = 80
END_OBJECT = FILE

OBJECT      = FILE
FILE_NAME   = "52ERROR.TAB"
SEQUENCE_NUMBER = 23
RECORD_TYPE = FIXED
FILE_RECORDS = 146
```

```
RECORD_BYTES = 384
END_OBJECT = FILE

OBJECT = FILE
FILE_NAME = "52WAVES.LBL"
SEQUENCE_NUMBER = 24
RECORD_TYPE = FIXED
FILE_RECORDS = 556
RECORD_BYTES = 80
END_OBJECT = FILE

OBJECT = FILE
FILE_NAME = "52WAVES.TAB"
SEQUENCE_NUMBER = 25
RECORD_TYPE = FIXED
FILE_RECORDS = 1
RECORD_BYTES = 376
END_OBJECT = FILE

OBJECT = FILE
FILE_NAME = "52WAVES2.LBL"
SEQUENCE_NUMBER = 26
RECORD_TYPE = FIXED
FILE_RECORDS = 66
RECORD_BYTES = 80
END_OBJECT = FILE

OBJECT = FILE
FILE_NAME = "52WAVES2.TAB"
SEQUENCE_NUMBER = 27
RECORD_TYPE = FIXED
FILE_RECORDS = 52
RECORD_BYTES = 16
END_OBJECT = FILE

OBJECT = FILE
FILE_NAME = "APC.FIT"
SEQUENCE_NUMBER = 28
RECORD_TYPE = FIXED
FILE_RECORDS = 288
RECORD_BYTES = 1064
END_OBJECT = FILE

OBJECT = FILE
FILE_NAME = "APC.LBL"
SEQUENCE_NUMBER = 29
RECORD_TYPE = FIXED
FILE_RECORDS = 82
RECORD_BYTES = 80
END_OBJECT = FILE

OBJECT = FILE
FILE_NAME = "APCINDEX.LBL"
SEQUENCE_NUMBER = 30
RECORD_TYPE = FIXED
FILE_RECORDS = 399
RECORD_BYTES = 80
END_OBJECT = FILE
```

OBJECT = FILE  
FILE\_NAME = "APCINDEX.TAB"  
SEQUENCE\_NUMBER = 31  
RECORD\_TYPE = FIXED  
FILE\_RECORDS = 5968  
RECORD\_BYTES = 182  
END\_OBJECT = FILE

OBJECT = FILE  
FILE\_NAME = "APCINFO.LBL"  
SEQUENCE\_NUMBER = 32  
RECORD\_TYPE = FIXED  
FILE\_RECORDS = 51  
RECORD\_BYTES = 80  
END\_OBJECT = FILE

OBJECT = FILE  
FILE\_NAME = "APCINFO.TAB"  
SEQUENCE\_NUMBER = 33  
RECORD\_TYPE = FIXED  
FILE\_RECORDS = 6634  
RECORD\_BYTES = 74  
END\_OBJECT = FILE

OBJECT = FILE  
FILE\_NAME = "APCREFS.LBL"  
SEQUENCE\_NUMBER = 34  
RECORD\_TYPE = FIXED  
FILE\_RECORDS = 53  
RECORD\_BYTES = 80  
END\_OBJECT = FILE

OBJECT = FILE  
FILE\_NAME = "APCREFS.TAB"  
SEQUENCE\_NUMBER = 35  
RECORD\_TYPE = FIXED  
FILE\_RECORDS = 564  
RECORD\_BYTES = 80  
END\_OBJECT = FILE

OBJECT = FILE  
FILE\_NAME = "ASTERMAG.LBL"  
SEQUENCE\_NUMBER = 36  
RECORD\_TYPE = FIXED  
FILE\_RECORDS = 167  
RECORD\_BYTES = 80  
END\_OBJECT = FILE

OBJECT = FILE  
FILE\_NAME = "ASTERMAG.TAB"  
SEQUENCE\_NUMBER = 37  
RECORD\_TYPE = FIXED  
FILE\_RECORDS = 6259  
RECORD\_BYTES = 34  
END\_OBJECT = FILE

OBJECT = FILE  
FILE\_NAME = "ASTNAMES.LBL"  
SEQUENCE\_NUMBER = 38

```

RECORD_TYPE      = FIXED
FILE_RECORDS     = 125
RECORD_BYTES     = 80
END_OBJECT = FILE

OBJECT      = FILE
FILE_NAME  = "ASTNAMES.TAB"
SEQUENCE_NUMBER = 39
RECORD_TYPE = FIXED
FILE_RECORDS = 6259
RECORD_BYTES = 112
END_OBJECT = FILE

OBJECT      = FILE
FILE_NAME  = "DISCOVER.LBL"
SEQUENCE_NUMBER = 40
RECORD_TYPE = FIXED
FILE_RECORDS = 450
RECORD_BYTES = 80
END_OBJECT = FILE

OBJECT      = FILE
FILE_NAME  = "DISCOVER.TAB"
SEQUENCE_NUMBER = 41
RECORD_TYPE = FIXED
FILE_RECORDS = 6259
RECORD_BYTES = 82
END_OBJECT = FILE

OBJECT      = FILE
FILE_NAME  = "ECAS.LBL"
SEQUENCE_NUMBER = 42
RECORD_TYPE = FIXED
FILE_RECORDS = 232
RECORD_BYTES = 80
END_OBJECT = FILE

OBJECT      = FILE
FILE_NAME  = "ECAS.TAB"
SEQUENCE_NUMBER = 43
RECORD_TYPE = FIXED
FILE_RECORDS = 911
RECORD_BYTES = 114
END_OBJECT = FILE

OBJECT      = FILE
FILE_NAME  = "ECASBAND.LBL"
SEQUENCE_NUMBER = 44
RECORD_TYPE = FIXED
FILE_RECORDS = 215
RECORD_BYTES = 80
END_OBJECT = FILE

OBJECT      = FILE
FILE_NAME  = "ECASBAND.TAB"
SEQUENCE_NUMBER = 45
RECORD_TYPE = FIXED
FILE_RECORDS = 8
RECORD_BYTES = 74

```

```
END_OBJECT = FILE

OBJECT      = FILE
  FILE_NAME      = "ECASFLTR.LBL"
  SEQUENCE_NUMBER = 46
  RECORD_TYPE    = FIXED
  FILE_RECORDS   = 151
  RECORD_BYTES   = 80
END_OBJECT = FILE

OBJECT      = FILE
  FILE_NAME      = "ECASFLTR.TAB"
  SEQUENCE_NUMBER = 47
  RECORD_TYPE    = FIXED
  FILE_RECORDS   = 163
  RECORD_BYTES   = 72
END_OBJECT = FILE

OBJECT      = FILE
  FILE_NAME      = "ECASMEAN.LBL"
  SEQUENCE_NUMBER = 48
  RECORD_TYPE    = FIXED
  FILE_RECORDS   = 201
  RECORD_BYTES   = 80
END_OBJECT = FILE

OBJECT      = FILE
  FILE_NAME      = "ECASMEAN.TAB"
  SEQUENCE_NUMBER = 49
  RECORD_TYPE    = FIXED
  FILE_RECORDS   = 589
  RECORD_BYTES   = 90
END_OBJECT = FILE

OBJECT      = FILE
  FILE_NAME      = "ECASPC.LBL"
  SEQUENCE_NUMBER = 50
  RECORD_TYPE    = FIXED
  FILE_RECORDS   = 122
  RECORD_BYTES   = 80
END_OBJECT = FILE

OBJECT      = FILE
  FILE_NAME      = "ECASPC.TAB"
  SEQUENCE_NUMBER = 51
  RECORD_TYPE    = FIXED
  FILE_RECORDS   = 405
  RECORD_BYTES   = 60
END_OBJECT = FILE

OBJECT      = FILE
  FILE_NAME      = "ECASSTDS.LBL"
  SEQUENCE_NUMBER = 52
  RECORD_TYPE    = FIXED
  FILE_RECORDS   = 325
  RECORD_BYTES   = 80
END_OBJECT = FILE

OBJECT      = FILE
```

FILE\_NAME = "ECASSTDS.TAB"  
SEQUENCE\_NUMBER = 53  
RECORD\_TYPE = FIXED  
FILE\_RECORDS = 50  
RECORD\_BYTES = 168  
END\_OBJECT = FILE

OBJECT = FILE  
FILE\_NAME = "IMPS.LBL"  
SEQUENCE\_NUMBER = 54  
RECORD\_TYPE = FIXED  
FILE\_RECORDS = 520  
RECORD\_BYTES = 80  
END\_OBJECT = FILE

OBJECT = FILE  
FILE\_NAME = "IMPS.TAB"  
SEQUENCE\_NUMBER = 55  
RECORD\_TYPE = FIXED  
FILE\_RECORDS = 2004  
RECORD\_BYTES = 121  
END\_OBJECT = FILE

OBJECT = FILE  
FILE\_NAME = "POLE.LBL"  
SEQUENCE\_NUMBER = 56  
RECORD\_TYPE = FIXED  
FILE\_RECORDS = 431  
RECORD\_BYTES = 80  
END\_OBJECT = FILE

OBJECT = FILE  
FILE\_NAME = "POLE.TAB"  
SEQUENCE\_NUMBER = 57  
RECORD\_TYPE = FIXED  
FILE\_RECORDS = 431  
RECORD\_BYTES = 106  
END\_OBJECT = FILE

OBJECT = FILE  
FILE\_NAME = "POLEREF.LBL"  
SEQUENCE\_NUMBER = 58  
RECORD\_TYPE = FIXED  
FILE\_RECORDS = 48  
RECORD\_BYTES = 80  
END\_OBJECT = FILE

OBJECT = FILE  
FILE\_NAME = "POLEREF.TAB"  
SEQUENCE\_NUMBER = 59  
RECORD\_TYPE = FIXED  
FILE\_RECORDS = 556  
RECORD\_BYTES = 82  
END\_OBJECT = FILE

OBJECT = FILE  
FILE\_NAME = "RADAR.LBL"  
SEQUENCE\_NUMBER = 60  
RECORD\_TYPE = FIXED

```

FILE_RECORDS = 232
RECORD_BYTES = 80
END_OBJECT = FILE

OBJECT = FILE
FILE_NAME = "RADAR.TAB"
SEQUENCE_NUMBER = 61
RECORD_TYPE = FIXED
FILE_RECORDS = 105
RECORD_BYTES = 68
END_OBJECT = FILE

OBJECT = FILE
FILE_NAME = "UBVAVG.LBL"
SEQUENCE_NUMBER = 62
RECORD_TYPE = FIXED
FILE_RECORDS = 192
RECORD_BYTES = 80
END_OBJECT = FILE

OBJECT = FILE
FILE_NAME = "UBVAVG.TAB"
SEQUENCE_NUMBER = 63
RECORD_TYPE = FIXED
FILE_RECORDS = 1020
RECORD_BYTES = 94
END_OBJECT = FILE

END_OBJECT = DIRECTORY

OBJECT = DIRECTORY
NAME = "INDEX"

OBJECT = FILE
FILE_NAME = "INDEX.LBL"
SEQUENCE_NUMBER = 64
RECORD_TYPE = FIXED
FILE_RECORDS = 56
RECORD_BYTES = 80
END_OBJECT = FILE

OBJECT = FILE
FILE_NAME = "INDEX.TAB"
SEQUENCE_NUMBER = 65
RECORD_TYPE = FIXED
FILE_RECORDS = 59
RECORD_BYTES = 80
END_OBJECT = FILE

OBJECT = FILE
FILE_NAME = "INDXINFO.TXT"
SEQUENCE_NUMBER = 66
RECORD_TYPE = FIXED
FILE_RECORDS = 12
RECORD_BYTES = 80
END_OBJECT = FILE

END_OBJECT = DIRECTORY

```

END\_OBJECT

= VOLUME

END

GD-11E No New I.D. Recorded  
GD-11F PSSB-00051

NSDF  
ASTVOL95  
ASTVOL96

THIS DATASET CONSISTS OF 1 8MM CARTRIDGE, WHICH IS THE D TAPE AND ONE 4MM CARTRIDGE, WHICH IS THE C TAPE. THE TAPE WAS CREATED ON A UNIX SYSTEM. THE DATA HAVE BEEN WRITTEN UNIX TAR. CREATING MUTLIPLIE FILES INSIDE THE TAR FILE. IT'S FORMAT IS ASCII.  
A TAR LISTING OF THE TAPE AS WELL AS A COPY OF THE AAREADME.TXT AND VOLDESC.CAT HAVE BEEN INCLUDED IN THE CATALOG.  
THE D AND C NUMBER ALONG WITH IT'S TIMESPAN IS LISTED BELOW.

D#	C#	FILES	TIMESPAN
D-1008768	C-032865	2	01/01/1801-02/16/95 (GD-11E) 01/01/1801-02/04/96 (GD-11F)

## Listing of ASTVOL96

---

astvol96/aareadme.txt  
astvol96/voldesc.cat  
astvol96/catalog/apd.cat  
astvol96/catalog/astermag.cat  
astvol96/catalog/catalog.cat  
astvol96/catalog/catinfo.txt  
astvol96/catalog/discover.cat  
astvol96/catalog/lc.cat  
astvol96/catalog/polar.cat  
astvol96/catalog/radar.cat  
astvol96/catalog/scas.cat  
astvol96/catalog/smashost.cat  
astvol96/catalog/smasinst.cat  
astvol96/catalog/smass.cat  
astvol96/catalog/spin.cat  
astvol96/delivery/apd.lbl  
astvol96/delivery/apd.tab  
astvol96/delivery/apdref.lbl  
astvol96/delivery/apdref.tab  
astvol96/delivery/astermag.lbl  
astvol96/delivery/astermag.tab  
astvol96/delivery/discnote.lbl  
astvol96/delivery/discnote.tab  
astvol96/delivery/discover.lbl  
astvol96/delivery/discover.tab  
astvol96/delivery/lc.lbl  
astvol96/delivery/lc.tab  
astvol96/delivery/lcref.lbl  
astvol96/delivery/lcref.tab  
astvol96/delivery/polar.lbl  
astvol96/delivery/polar.tab  
astvol96/delivery/radar.lbl  
astvol96/delivery/radar.tab  
astvol96/delivery/radarref.lbl  
astvol96/delivery/radarref.tab  
astvol96/delivery/scas.lbl  
astvol96/delivery/scas.tab  
astvol96/delivery/smass.lbl  
astvol96/delivery/smass.tab  
astvol96/delivery/smasseig.lbl  
astvol96/delivery/smasseig.tab  
astvol96/delivery/smassndx.lbl  
astvol96/delivery/smassndx.tab  
astvol96/delivery/smasspc.lbl  
astvol96/delivery/smasspc.tab  
astvol96/delivery/spin.lbl  
astvol96/delivery/spin.tab  
astvol96/delivery/spinref.lbl  
astvol96/delivery/spinref.tab  
astvol96/document/def.tex  
astvol96/document/docinfo.txt  
astvol96/document/endtable.tex  
astvol96/document/newtable.tex  
astvol96/document/note.tex  
astvol96/document/spin.dat

astvol96/document/spin.ps  
astvol96/document/spin.tex  
astvol96/document/spindoc.lbl  
astvol96/index/index.lbl  
astvol96/index/index.tab

Dataset Delivery Tape  
PDS Small Bodies Node  
June 1996.

This medium was prepared for the sole purpose of conveying a group of autonomous datasets to the National Space Science Data Center (NSSDC). It contains final archival copies of several asteroid datasets which were peer-reviewed on March 29, 1996, and ingested into the Planetary Data System (PDS) permanent archives in June 1996.

Apart from the fact that all the datasets are concerned with asteroid observations and measurements, the catalogs included here are not directly connected and should not be viewed as a coherent collection or volume of data. It is not intended that they be redistributed as a set.

The medium and supporting files required for delivery were prepared by:

Carol Neese  
Small Bodies Node, Planetary Data System  
Planetary Science Institute  
620 North 6th Ave.  
Tucson, Arizona 85705-8331

For further information about the individual catalogs, please consult the PDS labels and templates specific to each dataset.

Catalogs included in this delivery, and the prior datasets superceded by each, if any.

Catalog	Description	Supercedes
smass	Small Main-Belt Asteroid Spectroscopic Survey	none.
scas	Seven-Color Asteroid Survey	none.
polar	TRIAD polarimetry data base	none.
apd	Asteroid Polarimetric Database	none.
spin	Asteroid Spin Vectors	pole V2.0
lc	Derived Asteroid Lightcurve Parameters	lc V1.0
radar	Asteroid Radar Detections	radar V2.0
astermag	Asteroid Magnitudes and Slopes	astermag V2.0
discover	Asteroid Designations and Discovery Circumstances	discover V2.0 AND astnames V3.0

=====  
Carol Neese, May 1996.



```

PDS_VERSION_ID      = PDS3

OBJECT              = VOLUME

DESCRIPTION         = "This medium contains the asteroid data files and
required ancillary files which were reviewed in the Asteroid Datasets
External Review held on March 29, 1996 at the Planetary Science Institute
in Tucson, Arizona, under the auspices of the Small Bodies Node of the PDS.
This medium was created for delivery purposes only and does not represent
a logical grouping of datasets by content.  It is not intended to be
redistributed as a volume."

MEDIUM_TYPE        = "ELECTRONIC"
PUBLICATION_DATE   = "1996-03-29"
VOLUME_FORMAT      = "NONE"
VOLUME_ID          = "SBN Delivery Volume - Asteroids, March 1996"
VOLUME_NAME        = "SBN Delivery Volume - Asteroids, March 1996"
VOLUME_SERIES_NAME = "SBN Delivery Volume - Asteroid Datasets"
VOLUME_SET_ID      = "SBN Delivery Volume - Asteroid Datasets"
VOLUME_SET_NAME    = "SBN Delivery Volume - Asteroid Datasets"
VOLUME_VERSION_ID = "Version 0"
VOLUMES            = 0
DATA_SET_ID        = {"A-5-DDR-ASTERMAG-V3.0",           /* 1 label */
"A-5-DDR-ASTEROID-SPIN-VECTORS-V3.0", /* 2 labels */
"EAR-A-3-RDR-APD-POLARIMETRY-V1.0", /* 2 labels */
"EAR-A-3-RDR-SCAS-V1.0",           /* 1 label */
"EAR-A-3-RDR-TRIAD-POLARIMETRY-V1.0", /* 1 label */
"EAR-A-5-DDR-ASTNAMES-DISCOVERY-V1.0", /* 2 labels */
"EAR-A-5-DDR-DERIVED-LIGHTCURVE-V2.0", /* 2 labels */
"EAR-A-5-DDR-RADAR-V3.0",         /* 2 labels */
"EAR-A-M3SPEC-3-RDR-SMASS-V1.0"} /* 3 labels */

OBJECT              = DATA_PRODUCER
FULL_NAME           = "Carol Neese"
FACILITY_NAME       = "N/A"
INSTITUTION_NAME    = "Planetary Science Institute"
ADDRESS_TEXT        = "Planetary Science Institute, 620 North Sixth Avenue,
Tucson, Arizona 85705-8331"
NOTE                = "The data producer prepared the delivery volume,
but the data sets themselves were prepared by various people.  References
for each data set are included in the associated data set catalog object."
END_OBJECT          = DATA_PRODUCER

OBJECT              = CATALOG
^CATALOG            = "CATALOG.CAT"
END_OBJECT          = CATALOG

OBJECT              = FILE
FILE_NAME           = "AAREADME.TXT"
SEQUENCE NUMBER     = 1
RECORD_TYPE         = FIXED_LENGTH
FILE_RECORDS        = 48
RECORD_BYTES        = 80
END_OBJECT          = FILE

OBJECT              = FILE
FILE_NAME           = "VOLDESC.CAT"
SEQUENCE NUMBER     = 2
RECORD_TYPE         = FIXED_LENGTH

```

FILE\_RECORDS = 558  
RECORD\_BYTES = 80  
END\_OBJECT = FILE

OBJECT = DIRECTORY  
NAME = "CATALOG"

OBJECT = FILE  
FILE\_NAME = "APD.CAT"  
SEQUENCE\_NUMBER = 3  
RECORD\_TYPE = FIXED\_LENGTH  
FILE\_RECORDS = 77  
RECORD\_BYTES = 80  
END\_OBJECT = FILE

OBJECT = FILE  
FILE\_NAME = "ASTERMAG.CAT"  
SEQUENCE\_NUMBER = 4  
RECORD\_TYPE = FIXED\_LENGTH  
FILE\_RECORDS = 162  
RECORD\_BYTES = 80  
END\_OBJECT = FILE

OBJECT = FILE  
FILE\_NAME = "CATALOG.CAT"  
SEQUENCE\_NUMBER = 5  
RECORD\_TYPE = FIXED\_LENGTH  
FILE\_RECORDS = 18  
RECORD\_BYTES = 80  
END\_OBJECT = FILE

OBJECT = FILE  
FILE\_NAME = "CATINFO.TXT"  
SEQUENCE\_NUMBER = 6  
RECORD\_TYPE = FIXED\_LENGTH  
FILE\_RECORDS = 20  
RECORD\_BYTES = 80  
END\_OBJECT = FILE

OBJECT = FILE  
FILE\_NAME = "DISCOVER.CAT"  
SEQUENCE\_NUMBER = 7  
RECORD\_TYPE = FIXED\_LENGTH  
FILE\_RECORDS = 132  
RECORD\_BYTES = 80  
END\_OBJECT = FILE

OBJECT = FILE  
FILE\_NAME = "LC.CAT"  
SEQUENCE\_NUMBER = 8  
RECORD\_TYPE = FIXED\_LENGTH  
FILE\_RECORDS = 91  
RECORD\_BYTES = 80  
END\_OBJECT = FILE

OBJECT = FILE  
FILE\_NAME = "POLAR.CAT"  
SEQUENCE\_NUMBER = 9  
RECORD\_TYPE = FIXED\_LENGTH

```

FILE_RECORDS = 73
RECORD_BYTES = 80
END_OBJECT = FILE

OBJECT = FILE
FILE_NAME = "RADAR.CAT"
SEQUENCE_NUMBER = 10
RECORD_TYPE = FIXED_LENGTH
FILE_RECORDS = 119
RECORD_BYTES = 80
END_OBJECT = FILE

OBJECT = FILE
FILE_NAME = "SCAS.CAT"
SEQUENCE_NUMBER = 11
RECORD_TYPE = FIXED_LENGTH
FILE_RECORDS = 97
RECORD_BYTES = 80
END_OBJECT = FILE

OBJECT = FILE
FILE_NAME = "SMASHOST.CAT"
SEQUENCE_NUMBER = 12
RECORD_TYPE = FIXED_LENGTH
FILE_RECORDS = 27
RECORD_BYTES = 80
END_OBJECT = FILE

OBJECT = FILE
FILE_NAME = "SMASINST.CAT"
SEQUENCE_NUMBER = 13
RECORD_TYPE = FIXED_LENGTH
FILE_RECORDS = 47
RECORD_BYTES = 80
END_OBJECT = FILE

OBJECT = FILE
FILE_NAME = "SMASS.CAT"
SEQUENCE_NUMBER = 14
RECORD_TYPE = FIXED_LENGTH
FILE_RECORDS = 150
RECORD_BYTES = 80
END_OBJECT = FILE

OBJECT = FILE
FILE_NAME = "SPIN.CAT"
SEQUENCE_NUMBER = 15
RECORD_TYPE = FIXED_LENGTH
FILE_RECORDS = 143
RECORD_BYTES = 80
END_OBJECT = FILE

END_OBJECT = DIRECTORY

OBJECT = DIRECTORY
NAME = "DELIVERY"

OBJECT = FILE
FILE_NAME = "APD.LBL"

```

```
SEQUENCE_NUMBER = 16
RECORD_TYPE     = FIXED_LENGTH
FILE_RECORDS    = 237
RECORD_BYTES    = 80
END_OBJECT = FILE

OBJECT          = FILE
FILE_NAME      = "APD.TAB"
SEQUENCE_NUMBER = 17
RECORD_TYPE    = FIXED_LENGTH
FILE_RECORDS   = 1303
RECORD_BYTES   = 120
END_OBJECT = FILE

OBJECT          = FILE
FILE_NAME      = "APDREF.LBL"
SEQUENCE_NUMBER = 18
RECORD_TYPE    = FIXED_LENGTH
FILE_RECORDS   = 62
RECORD_BYTES   = 80
END_OBJECT = FILE

OBJECT          = FILE
FILE_NAME      = "APDREF.TAB"
SEQUENCE_NUMBER = 19
RECORD_TYPE    = FIXED_LENGTH
FILE_RECORDS   = 84
RECORD_BYTES   = 80
END_OBJECT = FILE

OBJECT          = FILE
FILE_NAME      = "ASTERMAG.LBL"
SEQUENCE_NUMBER = 20
RECORD_TYPE    = FIXED_LENGTH
FILE_RECORDS   = 180
RECORD_BYTES   = 80
END_OBJECT = FILE

OBJECT          = FILE
FILE_NAME      = "ASTERMAG.TAB"
SEQUENCE_NUMBER = 21
RECORD_TYPE    = FIXED_LENGTH
FILE_RECORDS   = 6842
RECORD_BYTES   = 34
END_OBJECT = FILE

OBJECT          = FILE
FILE_NAME      = "DISCNOTE.LBL"
SEQUENCE_NUMBER = 22
RECORD_TYPE    = FIXED_LENGTH
FILE_RECORDS   = 61
RECORD_BYTES   = 80
END_OBJECT = FILE

OBJECT          = FILE
FILE_NAME      = "DISCNOTE.TAB"
SEQUENCE_NUMBER = 23
RECORD_TYPE    = FIXED_LENGTH
FILE_RECORDS   = 294
```

```
RECORD_BYTES = 80
END_OBJECT = FILE

OBJECT = FILE
FILE_NAME = "DISCOVER.LBL"
SEQUENCE_NUMBER = 24
RECORD_TYPE = FIXED_LENGTH
FILE_RECORDS = 145
RECORD_BYTES = 80
END_OBJECT = FILE

OBJECT = FILE
FILE_NAME = "DISCOVER.TAB"
SEQUENCE_NUMBER = 25
RECORD_TYPE = FIXED_LENGTH
FILE_RECORDS = 6842
RECORD_BYTES = 138
END_OBJECT = FILE

OBJECT = FILE
FILE_NAME = "LC.LBL"
SEQUENCE_NUMBER = 26
RECORD_TYPE = FIXED_LENGTH
FILE_RECORDS = 334
RECORD_BYTES = 80
END_OBJECT = FILE

OBJECT = FILE
FILE_NAME = "LC.TAB"
SEQUENCE_NUMBER = 27
RECORD_TYPE = FIXED_LENGTH
FILE_RECORDS = 997
RECORD_BYTES = 80
END_OBJECT = FILE

OBJECT = FILE
FILE_NAME = "LCREF.LBL"
SEQUENCE_NUMBER = 28
RECORD_TYPE = FIXED_LENGTH
FILE_RECORDS = 60
RECORD_BYTES = 80
END_OBJECT = FILE

OBJECT = FILE
FILE_NAME = "LCREF.TAB"
SEQUENCE_NUMBER = 29
RECORD_TYPE = FIXED_LENGTH
FILE_RECORDS = 924
RECORD_BYTES = 70
END_OBJECT = FILE

OBJECT = FILE
FILE_NAME = "POLAR.LBL"
SEQUENCE_NUMBER = 30
RECORD_TYPE = FIXED_LENGTH
FILE_RECORDS = 237
RECORD_BYTES = 80
END_OBJECT = FILE
```

```
OBJECT      = FILE
  FILE_NAME      = "POLAR.TAB"
  SEQUENCE_NUMBER = 31
  RECORD_TYPE    = FIXED_LENGTH
  FILE_RECORDS   = 111
  RECORD_BYTES   = 66
END_OBJECT = FILE

OBJECT      = FILE
  FILE_NAME      = "RADAR.LBL"
  SEQUENCE_NUMBER = 32
  RECORD_TYPE    = FIXED_LENGTH
  FILE_RECORDS   = 140
  RECORD_BYTES   = 80
END_OBJECT = FILE

OBJECT      = FILE
  FILE_NAME      = "RADAR.TAB"
  SEQUENCE_NUMBER = 33
  RECORD_TYPE    = FIXED_LENGTH
  FILE_RECORDS   = 110
  RECORD_BYTES   = 70
END_OBJECT = FILE

OBJECT      = FILE
  FILE_NAME      = "RADARREF.LBL"
  SEQUENCE_NUMBER = 34
  RECORD_TYPE    = FIXED_LENGTH
  FILE_RECORDS   = 65
  RECORD_BYTES   = 80
END_OBJECT = FILE

OBJECT      = FILE
  FILE_NAME      = "RADARREF.TAB"
  SEQUENCE_NUMBER = 35
  RECORD_TYPE    = FIXED_LENGTH
  FILE_RECORDS   = 127
  RECORD_BYTES   = 80
END_OBJECT = FILE

OBJECT      = FILE
  FILE_NAME      = "SCAS.LBL"
  SEQUENCE_NUMBER = 36
  RECORD_TYPE    = FIXED_LENGTH
  FILE_RECORDS   = 207
  RECORD_BYTES   = 80
END_OBJECT = FILE

OBJECT      = FILE
  FILE_NAME      = "SCAS.TAB"
  SEQUENCE_NUMBER = 37
  RECORD_TYPE    = FIXED_LENGTH
  FILE_RECORDS   = 126
  RECORD_BYTES   = 100
END_OBJECT = FILE

OBJECT      = FILE
  FILE_NAME      = "SMASS.LBL"
  SEQUENCE_NUMBER = 38
```

```
RECORD_TYPE = FIXED_LENGTH
FILE_RECORDS = 87
RECORD_BYTES = 80
END_OBJECT = FILE

OBJECT = FILE
FILE_NAME = "SMASS.TAB"
SEQUENCE_NUMBER = 39
RECORD_TYPE = FIXED_LENGTH
FILE_RECORDS = 149423
RECORD_BYTES = 28
END_OBJECT = FILE

OBJECT = FILE
FILE_NAME = "SMASSEIG.LBL"
SEQUENCE_NUMBER = 40
RECORD_TYPE = FIXED_LENGTH
FILE_RECORDS = 122
RECORD_BYTES = 80
END_OBJECT = FILE

OBJECT = FILE
FILE_NAME = "SMASSEIG.TAB"
SEQUENCE_NUMBER = 41
RECORD_TYPE = FIXED_LENGTH
FILE_RECORDS = 50
RECORD_BYTES = 50
END_OBJECT = FILE

OBJECT = FILE
FILE_NAME = "SMASSNDX.LBL"
SEQUENCE_NUMBER = 42
RECORD_TYPE = FIXED_LENGTH
FILE_RECORDS = 90
RECORD_BYTES = 80
END_OBJECT = FILE

OBJECT = FILE
FILE_NAME = "SMASSNDX.TAB"
SEQUENCE_NUMBER = 43
RECORD_TYPE = FIXED_LENGTH
FILE_RECORDS = 316
RECORD_BYTES = 34
END_OBJECT = FILE

OBJECT = FILE
FILE_NAME = "SMASSPC.LBL"
SEQUENCE_NUMBER = 44
RECORD_TYPE = FIXED_LENGTH
FILE_RECORDS = 98
RECORD_BYTES = 80
END_OBJECT = FILE

OBJECT = FILE
FILE_NAME = "SMASSPC.TAB"
SEQUENCE_NUMBER = 45
RECORD_TYPE = FIXED_LENGTH
FILE_RECORDS = 315
RECORD_BYTES = 32
```

```
END_OBJECT = FILE

OBJECT      = FILE
FILE_NAME  = "SPIN.LBL"
SEQUENCE_NUMBER = 46
RECORD_TYPE = FIXED_LENGTH
FILE_RECORDS = 489
RECORD_BYTES = 80
END_OBJECT = FILE

OBJECT      = FILE
FILE_NAME  = "SPIN.TAB"
SEQUENCE_NUMBER = 47
RECORD_TYPE = FIXED_LENGTH
FILE_RECORDS = 526
RECORD_BYTES = 106
END_OBJECT = FILE

OBJECT      = FILE
FILE_NAME  = "SPINREF.LBL"
SEQUENCE_NUMBER = 48
RECORD_TYPE = FIXED_LENGTH
FILE_RECORDS = 64
RECORD_BYTES = 80
END_OBJECT = FILE

OBJECT      = FILE
FILE_NAME  = "SPINREF.TAB"
SEQUENCE_NUMBER = 49
RECORD_TYPE = FIXED_LENGTH
FILE_RECORDS = 614
RECORD_BYTES = 80
END_OBJECT = FILE

END_OBJECT = DIRECTORY

OBJECT      = DIRECTORY
NAME       = "DOCUMENT"

OBJECT      = FILE
FILE_NAME  = "DEF.TEX"
SEQUENCE_NUMBER = 50
RECORD_TYPE = STREAM
FILE_RECORDS = 100
RECORD_BYTES = 81
END_OBJECT = FILE

OBJECT      = FILE
FILE_NAME  = "DOCINFO.TXT"
SEQUENCE_NUMBER = 51
RECORD_TYPE = FIXED_LENGTH
FILE_RECORDS = 22
RECORD_BYTES = 80
END_OBJECT = FILE

OBJECT      = FILE
FILE_NAME  = "ENDTABLE.TEX"
SEQUENCE_NUMBER = 52
RECORD_TYPE = STREAM
```

```
FILE_RECORDS = 8
RECORD_BYTES = 81
END_OBJECT = FILE

OBJECT = FILE
FILE_NAME = "NEWTABLE.TEX"
SEQUENCE_NUMBER = 53
RECORD_TYPE = STREAM
FILE_RECORDS = 41
RECORD_BYTES = 81
END_OBJECT = FILE

OBJECT = FILE
FILE_NAME = "NOTE.TEX"
SEQUENCE_NUMBER = 54
RECORD_TYPE = STREAM
FILE_RECORDS = 72
RECORD_BYTES = 95
END_OBJECT = FILE

OBJECT = FILE
FILE_NAME = "SPIN.DAT"
SEQUENCE_NUMBER = 55
RECORD_TYPE = STREAM
FILE_RECORDS = 753
RECORD_BYTES = 105
END_OBJECT = FILE

OBJECT = FILE
FILE_NAME = "SPIN.PS"
SEQUENCE_NUMBER = 56
RECORD_TYPE = STREAM
FILE_RECORDS = 3097
RECORD_BYTES = 79
END_OBJECT = FILE

OBJECT = FILE
FILE_NAME = "SPIN.TEX"
SEQUENCE_NUMBER = 57
RECORD_TYPE = STREAM
FILE_RECORDS = 35
RECORD_BYTES = 81
END_OBJECT = FILE

OBJECT = FILE
FILE_NAME = "SPINDOC.LBL"
SEQUENCE_NUMBER = 58
RECORD_TYPE = FIXED_LENGTH
FILE_RECORDS = 61
RECORD_BYTES = 80
END_OBJECT = FILE

END_OBJECT = DIRECTORY

OBJECT = DIRECTORY
NAME = "INDEX"

OBJECT = FILE
FILE_NAME = "INDEX.LBL"
```

```
SEQUENCE_NUMBER = 59
RECORD_TYPE     = FIXED_LENGTH
FILE_RECORDS    = 56
RECORD_BYTES    = 80
END_OBJECT = FILE

OBJECT          = FILE
FILE_NAME      = "INDEX.TAB"
SEQUENCE_NUMBER = 60
RECORD_TYPE    = FIXED_LENGTH
FILE_RECORDS   = 43
RECORD_BYTES   = 80
END_OBJECT = FILE

OBJECT          = FILE
FILE_NAME      = "INDXINFO.TXT"
SEQUENCE_NUMBER = 61
RECORD_TYPE    = FIXED_LENGTH
FILE_RECORDS   = 12
RECORD_BYTES   = 80
END_OBJECT = FILE

END_OBJECT = DIRECTORY

END_OBJECT      = VOLUME

END
```