#765

81-070B-01G

DYNAMICS EXPLORER 2

MAG-B HIGH RESOLUTION GMS DATA

Table of Contents

1. Introduction

2. Errata/Change Log

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

4. Catalog Materials

    a. Associated Documents

    b. Core Catalog Materials

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 This inventory information is now no longer maintained in the DSCs, but is now managed in the inventory part of the NSSDC information system.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

81-070B-01G SPMS-00157

DYNAMICS EXPLORER 2

MAG-B HIGH RESOLUTION GMS DATA

THIS DATA SET CONSISTS OF 5 MAGNETIC TAPES. THE TAPES ARE 8MM, WRITTEN IN ASCII, CREATED ON THE VAX SYSTEM IN BACKUP FORMAT. THEY ARE LABELED AND CONTAIN SEVERAL SAVESETS PER TAPE, WHICH ARE LISTED BELOW. THE D AND C NUMBER ALONG WITH IT'S TIMESPANS ARE LISTED ALSO.

D#	C#	FILES	TIMESPANS	LABEL
D-108206	C-031953	6	08/15/81-11/19/81	BGMS1
D-108207	C-031954	8	11/20/81-03/19/82	BGMS2
D-108208	C-031955	8	03/20/82-07/08/82	BGMS3
D-108209	C-031956	7	07/09/82-11/19/82	BGMS4
D-108210	C-031957	4	11/20/82-02/16/83	BGMS5

LISTING OF SAVESETS PER TAPE

D-108206	BGMS01.BCK-BGMS06.BCK
D-108207	BGMS07.BCK-BGMS14.BCK
D-108208	BGMS15.BCK-BGMS21.BCK
D-108209	BGMS22.BCK-BGMS28.BCK
D-108210	BGMS29.BCK-BGMS32.BCK

AN UPDATED README FILE CORRECTS ERRORS IN THE FILE IN EACH BACKUP FILE; USE THE FOLLOWING INSTEAD:"[DE_PROJ.CANDEY.MAGB]MAGB_GMS_README.TXT".

DYNAMICS EXPLORER 2 (DE-2) MAGNETOMETER (MAG-B) HIGH RESOLUTION DATA BASE

This data set contains the MAG-B high resolution data in GMS coordinates with the following OA parameters added to the data set: model magnetic field, magnetic local time, invariant latitude, spacecraft altitude, and geomagnetic longitude and latitude. The three components of the magnetic field in this Cartesian system are B-Radial (positive outward), B-Theta (positive southward) and B-Phi (positive eastward) all oriented relative to the a MAGSAT geomagnetic field model (Langel et al., GRL, 7, 793, 1980).

As with most telemetered geophysical data the vector components of the magnetic field archived here suffer from occasional bad data points. These spurious data entries were caused for the most part by noise introduced in the satellite station telemetry link. Such spurious data can usually be recognized by workers familiar with similar satellite magnetic field data sets. These are usually single point excursions which show no geophysical correlation between the three components of the field.

The dominant source of error in the DE-2 magnetic field measurements is the uncertainty in the attitude of the spacecraft. The DE-2 spacecraft was designed to obtain a final attitude knowledge of ±0.3 deg which it appears to have attained most of the time. However, episodes of spacecraft nutation with a period near 30 sec and an amplitude of several tenths of a degree were common as well as occasional, several minute errors in the horizon sensor output which produced sudden shifts in attitude of several tenths of a degree. Note that as a general rule an error in spacecraft attitude of 0.1 deg will cause an error in the measured field of about 100 nT per component when the field is transferred from spacecraft to inertial coordinates. For this reason it is common practice to make "baseline corrections" using various physical arguments if higher accuracies are required (e.g., Gary et al., JGR, 99, 11417, 1994). The absolute accuracy of the DE-2 magnetometer can be evaluated after launch only through comparison with precision vector/scalar geomagnetic observatories located on the ground. On the basis of such cross-comparisons a 1-sigma error in the total field magnitude over the course of the DE-2 mission of ±28 nT has been determined (Langel, Geological Soc. of India Mem., 24, 3, 1992).

The data set consists of daily files from day 81227 to 83047. Each file contains all the available data for a given day. If there was no magnetometer data for a given time, the time record was left out. If there was magnetometer data but no OA data for a particular time record, a fill value of 9999999.0 was used for the OA data.

Each daily file contains a different number of records depending upon how much data was taken for a given day. Each record in the daily files contains the following information:

Year	integer*4	
Day	integer*4	
Time	integer*4	Time of MAG-B measurement in milliseconds
Mode	integer*4	Instrument mode at time measurement taken. This value does not change for the DE-2 magnetometer.
BR	real*4	Radial-Component of the Measured magnetic field in GMS coordinates
BTH	real*4	Theta-Component of the Measured magnetic field in GMS coordinates
BPH	real*4	Phi-Component of the Measured magnetic field in GMS coordinates
MR	real*4	Radial-Component of the Model magnetic field in GMS coordinates
MTH	real*4	Theta-Component of the Model magnetic field in GMS coordinates

MPH	real*4	Phi-Component of the Model magnetic field in GMS coordinates
GALT	real*4	Satellite altitude
MLONG	real*4	Magnetic longitude
MLAT	real*4	Magnetic latitude
MLT	real*4	Magnetic local time
ILAT	real*4	Invariant latitude

The files are unformatted so therefore the files may be read using the following FORTRAN statement.

```
READ(UNIT) YEAR, DAY, TIME, MODE, BR, BTH, BPH, MR, MTH, MPH, GALT,
+ MLONG, MLAT, MLT, ILAT
```

Remember to declare time as an integer*4.

Two IDL procedures are included with this data set. The first IDL procedure reads the data and does not average. The second program reads and averages the data. A brief explanation of the IDL procedures follows:

1. Program DEHIRES_load loads the high resolution magnetometer data for a time interval no greater than one hour.

   dehires_load, filename, start, finish, br, bth, bph, mod_br, mod_bth,$
   mod_bph, galt, mlt, ilat, mlong, mlat, time, flag
   Inputs: Daily file name, start time, end time
   Outputs: Br, Bth, Bph, Mr, Mth, Mph, altitude, magnetic local time, invariant latitude, magnetic longitude, magnetic latitude, time, and a flag if there was no data in the requested interval.

2. Program DELOAD_AVE loads and averages the magnetometer data.

   deload_ave, filename, start, finish, res, abr, abth, abph, amod_br,$
   amod_bth, amod_bph, mid_alt, mid_mlt, mid_ilat, mid_mlat,$
   mid_mlng, mid_time, flag
   Inputs: Daily file name, start time, end time, averaging resolution
   Outputs: Averaged Br, Bth, Bph, Mr, Mth, Mph, and midpoints of altitude, magnetic local time, invariant latitude, magnetic longitude, magnetic latitude, time, and a flag if there was no data in the interval that was to be averaged.

Up-dated 1-20-95
J. Slavin

Listing of save set(s) OF BGMSII-D108207

```
Save set:           BGMS07.BCK
Written by:         MAGELM
UIC:                [000320,000014]
Date:               18-OCT-1994 14:50:29.03
Command:            BACKUP/RECORD/IGNOR=LABEL DUG1:[BGMS]*.* MUB0:BGMS07.BCK/SAVE
Operating system:   VAX/VMS version V5.4
BACKUP version:     V5.4
CPU ID register:    08000000
Node name:          _MAGSPA::
Written on:         _MAGSPA$MUB0:
Block size:         32768
Buffer count:       3

[BGMS]BGMS81324.DAT;1                                   35803  23-DEC-1992 19:00
[BGMS]BGMS81325.DAT;1                                   44687  23-DEC-1992 19:29
[BGMS]BGMS81326.DAT;1                                   47753  23-DEC-1992 20:04
[BGMS]BGMS81327.DAT;1                                   59944  23-DEC-1992 20:41
[BGMS]BGMS81328.DAT;1                                   54680  23-DEC-1992 21:27
[BGMS]BGMS81329.DAT;1                                   52965  23-DEC-1992 22:08
[BGMS]BGMS81330.DAT;1                                   54581  23-DEC-1992 22:47
[BGMS]BGMS81331.DAT;1                                   53111  23-DEC-1992 23:26
[BGMS]BGMS81332.DAT;1                                   51776  24-DEC-1992 00:03
[BGMS]BGMS81333.DAT;1                                   49206  24-DEC-1992 00:40
[BGMS]BGMS81334.DAT;1                                   48428  24-DEC-1992 01:15
[BGMS]DEHIRES_LOAD.PRO;1                                    6  26-JUL-1993 12:51
[BGMS]DEHIRES_README.DOC;3                                  7  15-JUL-1993 14:22
[BGMS]DELOAD_AVE.PRO;22                                    10   8-APR-1993 13:50

Total of 14 files, 552957 blocks
End of save set

Save set:           BGMS08.BCK
Written by:         MAGELM
UIC:                [000320,000014]
Date:               18-OCT-1994 15:23:56.60
Command:            BACKUP/RECORD/IGNOR=LABEL DUG1:[BGMS]*.* MUB0:BGMS08.BCK/SAVE
Operating system:   VAX/VMS version V5.4
BACKUP version:     V5.4
CPU ID register:    08000000
Node name:          _MAGSPA::
Written on:         _MAGSPA$MUB0:
Block size:         32768
Buffer count:       3

[BGMS]BGMS81335.DAT;1                                   49071  24-DEC-1992 17:00
[BGMS]BGMS81336.DAT;1                                   47296  24-DEC-1992 17:35
[BGMS]BGMS81337.DAT;1                                   50663  24-DEC-1992 18:09
[BGMS]BGMS81338.DAT;1                                   51242  24-DEC-1992 18:45
[BGMS]BGMS81339.DAT;1                                   52046  24-DEC-1992 19:22
[BGMS]BGMS81340.DAT;1                                   59039  24-DEC-1992 19:59
[BGMS]BGMS81341.DAT;1                                   47086  24-DEC-1992 20:40
[BGMS]BGMS81342.DAT;1                                   38003  24-DEC-1992 21:13
[BGMS]BGMS81343.DAT;1                                   54195  24-DEC-1992 21:40
[BGMS]BGMS81344.DAT;1                                   47489  24-DEC-1992 22:18
[BGMS]BGMS81345.DAT;1                                   42334  24-DEC-1992 22:52
[BGMS]DEHIRES_LOAD.PRO;1                                    6  26-JUL-1993 12:51
[BGMS]DEHIRES_README.DOC;3                                  7  15-JUL-1993 14:22
```

```
[BGMS]DELOAD_AVE.PRO;22                                          10   8-APR-1993 13:50

Total of 14 files, 538487 blocks
End of save set

Save set:           BGMS09.BCK
Written by:         MAGELM
UIC:                [000320,000014]
Date:               18-OCT-1994 16:19:40.82
Command:            BACKUP/RECORD/IGNOR=LABEL DUG1:[BGMS]*.* MUB0:BGMS09.BCK/SAVE
Operating system:   VAX/VMS version V5.4
BACKUP version:     V5.4
CPU ID register:    08000000
Node name:          _MAGSPA::
Written on:         _MAGSPA$MUB0:
Block size:         32768
Buffer count:       3

[BGMS]BGMS81346.DAT;1                                        54894   5-JAN-1993 09:37
[BGMS]BGMS81347.DAT;1                                        52109   5-JAN-1993 10:18
[BGMS]BGMS81348.DAT;1                                        50803   5-JAN-1993 10:58
[BGMS]BGMS81349.DAT;1                                        17411   5-JAN-1993 11:38
[BGMS]BGMS81350.DAT;1                                        41872   5-JAN-1993 11:52
[BGMS]BGMS81351.DAT;1                                        49242   5-JAN-1993 12:25
[BGMS]BGMS81352.DAT;1                                        43398   5-JAN-1993 13:01
[BGMS]BGMS81353.DAT;1                                        45841   5-JAN-1993 13:35
[BGMS]BGMS81354.DAT;1                                        40334   5-JAN-1993 14:11
[BGMS]BGMS81355.DAT;1                                        39953   5-JAN-1993 14:41
[BGMS]BGMS81356.DAT;1                                        44836   5-JAN-1993 15:13
[BGMS]BGMS81357.DAT;1                                        42983   5-JAN-1993 15:49
[BGMS]DEHIRES_LOAD.PRO;1                                         6  26-JUL-1993 12:51
[BGMS]DEHIRES_README.DOC;3                                       7  15-JUL-1993 14:22
[BGMS]DELOAD_AVE.PRO;22                                         10   8-APR-1993 13:50

Total of 15 files, 523699 blocks
End of save set

Save set:           BGMS10.BCK
Written by:         MAGELM
UIC:                [000320,000014]
Date:               19-OCT-1994 08:49:26.78
Command:            BACKUP/RECORD/IGNOR=LABEL DUG1:[BGMS]*.* MUB0:BGMS10.BCK/SAVE
Operating system:   VAX/VMS version V5.4
BACKUP version:     V5.4
CPU ID register:    08000000
Node name:          _MAGSPA::
Written on:         _MAGSPA$MUB0:
Block size:         32768
Buffer count:       3

[BGMS]BGMS81358.DAT;1                                        25025   5-JAN-1993 16:35
[BGMS]BGMS81359.DAT;1                                        23990   5-JAN-1993 16:54
[BGMS]BGMS81360.DAT;1                                        39937   5-JAN-1993 17:11
[BGMS]BGMS81361.DAT;1                                        31555   5-JAN-1993 17:40
[BGMS]BGMS81362.DAT;1                                        24774   5-JAN-1993 18:03
[BGMS]BGMS81363.DAT;1                                        42687   5-JAN-1993 18:21
[BGMS]BGMS81364.DAT;1                                        40183   5-JAN-1993 18:51
[BGMS]BGMS81365.DAT;1                                        32969   5-JAN-1993 19:22
[BGMS]BGMS82001.DAT;1                                        36022   5-JAN-1993 19:46
```

```
[BGMS]BGMS82002.DAT;1                                    36052   5-JAN-1993 20:11
[BGMS]BGMS82003.DAT;1                                    42050   5-JAN-1993 20:37
[BGMS]BGMS82004.DAT;1                                    36476   5-JAN-1993 21:07
[BGMS]BGMS82005.DAT;1                                    44695   5-JAN-1993 21:33
[BGMS]BGMS82006.DAT;1                                    29430   5-JAN-1993 22:05
[BGMS]BGMS82007.DAT;1                                    43547   5-JAN-1993 22:27
[BGMS]BGMS82008.DAT;1                                    36637   5-JAN-1993 22:59
[BGMS]DEHIRES_LOAD.PRO;1                                     6  26-JUL-1993 12:51
[BGMS]DEHIRES_README.DOC;3                                   7  15-JUL-1993 14:22
[BGMS]DELOAD_AVE.PRO;22                                     10   8-APR-1993 13:50

Total of 19 files, 566052 blocks
End of save set

Save set:           BGMS11.BCK
Written by:         MAGELM
UIC:                [000320,000014]
Date:               19-OCT-1994 13:44:37.03
Command:            BACKUP/RECORD/IGNOR=LABEL DUG1:[BGMS]*.* MUB0:BGMS11.BCK/SAVE
Operating system:   VAX/VMS version V5.4
BACKUP version:     V5.4
CPU ID register:    08000000
Node name:          _MAGSPA::
Written on:         _MAGSPA$MUB0:
Block size:         32768
Buffer count:       3

[BGMS]BGMS82009.DAT;1                                    46599   6-JAN-1993 09:34
[BGMS]BGMS82010.DAT;1                                    38433   6-JAN-1993 10:08
[BGMS]BGMS82011.DAT;1                                    26393   6-JAN-1993 10:37
[BGMS]BGMS82012.DAT;1                                    38898   6-JAN-1993 10:57
[BGMS]BGMS82013.DAT;1                                    27411   6-JAN-1993 11:25
[BGMS]BGMS82014.DAT;1                                    38649   6-JAN-1993 11:45
[BGMS]BGMS82015.DAT;1                                    39680   6-JAN-1993 12:13
[BGMS]BGMS82016.DAT;1                                    38943   6-JAN-1993 12:42
[BGMS]BGMS82017.DAT;1                                    42012   6-JAN-1993 13:12
[BGMS]BGMS82018.DAT;1                                    40685   6-JAN-1993 13:46
[BGMS]BGMS82019.DAT;1                                    37448   7-JAN-1993 08:56
[BGMS]BGMS82020.DAT;1                                    32013   7-JAN-1993 09:24
[BGMS]BGMS82021.DAT;1                                    40570   7-JAN-1993 09:47
[BGMS]BGMS82022.DAT;1                                    29729   7-JAN-1993 10:17
[BGMS]BGMS82023.DAT;1                                    36891   7-JAN-1993 10:39
[BGMS]DEHIRES_LOAD.PRO;1                                     6  26-JUL-1993 12:51
[BGMS]DEHIRES_README.DOC;3                                   7  15-JUL-1993 14:22
[BGMS]DELOAD_AVE.PRO;22                                     10   8-APR-1993 13:50

Total of 18 files, 554377 blocks
End of save set

Save set:           BGMS12.BCK
Written by:         MAGELM
UIC:                [000320,000014]
Date:               19-OCT-1994 14:14:49.85
Command:            BACKUP/RECORD/IGNOR=LABEL DUG1:[BGMS]*.* MUB0:BGMS12.BCK/SAVE
Operating system:   VAX/VMS version V5.4
BACKUP version:     V5.4
CPU ID register:    08000000
Node name:          _MAGSPA::
Written on:         _MAGSPA$MUB0:
```

```
Block size:         32768
Buffer count:       3

[BGMS]BGMS82024.DAT;1                                    34316   6-JAN-1993 18:00
[BGMS]BGMS82025.DAT;1                                    38573   6-JAN-1993 18:25
[BGMS]BGMS82026.DAT;1                                    42257   6-JAN-1993 18:53
[BGMS]BGMS82027.DAT;1                                    28934   6-JAN-1993 19:24
[BGMS]BGMS82028.DAT;1                                    45721   6-JAN-1993 19:45
[BGMS]BGMS82029.DAT;1                                    34672   6-JAN-1993 20:18
[BGMS]BGMS82030.DAT;1                                    43622   6-JAN-1993 20:43
[BGMS]BGMS82031.DAT;1                                    36801   6-JAN-1993 21:14
[BGMS]BGMS82032.DAT;1                                    36070   6-JAN-1993 21:40
[BGMS]BGMS82033.DAT;1                                    33011   6-JAN-1993 22:05
[BGMS]BGMS82034.DAT;1                                    29298   6-JAN-1993 22:29
[BGMS]BGMS82035.DAT;1                                    38599   6-JAN-1993 22:51
[BGMS]BGMS82036.DAT;1                                    36244   6-JAN-1993 23:19
[BGMS]BGMS82037.DAT;1                                    29637   6-JAN-1993 23:45
[BGMS]BGMS82038.DAT;1                                    35016   7-JAN-1993 00:07
[BGMS]DEHIRES_LOAD.PRO;1                                     6  26-JUL-1993 12:51
[BGMS]DEHIRES_README.DOC;3                                   7  15-JUL-1993 14:22
[BGMS]DELOAD_AVE.PRO;22                                     10   8-APR-1993 13:50

Total of 18 files, 542794 blocks
End of save set

Save set:           BGMS13.BCK
Written by:         MAGELM
UIC:                [000320,000014]
Date:               19-OCT-1994 16:27:08.46
Command:            BACKUP/RECORD/IGNOR=LABEL DUG1:[BGMS]*.* MUB0:BGMS13.BCK/SAVE
Operating system:   VAX/VMS version V5.4
BACKUP version:     V5.4
CPU ID register:    08000000
Node name:          _MAGSPA::
Written on:         _MAGSPA$MUB0:
Block size:         32768
Buffer count:       3

[BGMS]BGMS82039.DAT;1                                    27577   7-JAN-1993 18:00
[BGMS]BGMS82040.DAT;1                                    31497   7-JAN-1993 18:20
[BGMS]BGMS82041.DAT;1                                    26010   7-JAN-1993 18:42
[BGMS]BGMS82042.DAT;1                                    25818   7-JAN-1993 19:01
[BGMS]BGMS82043.DAT;1                                    19019   7-JAN-1993 19:20
[BGMS]BGMS82044.DAT;1                                    27080   7-JAN-1993 19:33
[BGMS]BGMS82045.DAT;1                                    29503   7-JAN-1993 19:53
[BGMS]BGMS82046.DAT;1                                    26465   7-JAN-1993 20:14
[BGMS]BGMS82047.DAT;1                                    32514   7-JAN-1993 20:33
[BGMS]BGMS82048.DAT;1                                    31201   7-JAN-1993 20:56
[BGMS]BGMS82049.DAT;1                                    32306   7-JAN-1993 21:18
[BGMS]BGMS82050.DAT;1                                    24173   7-JAN-1993 21:41
[BGMS]BGMS82051.DAT;1                                    31954   7-JAN-1993 21:58
[BGMS]BGMS82052.DAT;1                                    18968   7-JAN-1993 22:21
[BGMS]BGMS82053.DAT;1                                    24451   7-JAN-1993 22:35
[BGMS]DEHIRES_LOAD.PRO;1                                     6  26-JUL-1993 12:51
[BGMS]DEHIRES_README.DOC;3                                   7  15-JUL-1993 14:22
[BGMS]DELOAD_AVE.PRO;22                                     10   8-APR-1993 13:50

Total of 18 files, 408559 blocks
End of save set
```

```
Save set:           BGMS14.BCK
Written by:         MAGELM
UIC:                [000320,000014]
Date:               31-OCT-1994 14:30:20.05
Command:            BACKUP/RECORD/IGNOR=LABEL DUG1:[BGMS]*.* MUB0:BGMS14.BCK/SAVE
Operating system:   VAX/VMS version V5.4
BACKUP version:     V5.4
CPU ID register:    08000000
Node name:          _MAGSPA::
Written on:         _MAGSPA$MUB0:
Block size:         32768
Buffer count:       3

[BGMS]BGMS82054.DAT;1                                  23401  11-JAN-1993 16:07
[BGMS]BGMS82058.DAT;1                                  16032  11-JAN-1993 16:26
[BGMS]BGMS82059.DAT;1                                  27129  11-JAN-1993 16:38
[BGMS]BGMS82060.DAT;1                                  22455  11-JAN-1993 17:00
[BGMS]BGMS82061.DAT;1                                  24107  11-JAN-1993 17:18
[BGMS]BGMS82062.DAT;1                                  23813  11-JAN-1993 17:37
[BGMS]BGMS82063.DAT;1                                  21517  11-JAN-1993 17:55
[BGMS]BGMS82064.DAT;1                                  26884  11-JAN-1993 18:11
[BGMS]BGMS82065.DAT;1                                  23907  11-JAN-1993 18:30
[BGMS]BGMS82066.DAT;1                                  22874  11-JAN-1993 18:47
[BGMS]BGMS82067.DAT;1                                  23817  11-JAN-1993 19:03
[BGMS]BGMS82068.DAT;1                                  25257  11-JAN-1993 19:20
[BGMS]BGMS82069.DAT;1                                  27701  11-JAN-1993 19:38
[BGMS]BGMS82070.DAT;1                                  25361  11-JAN-1993 19:58
[BGMS]BGMS82071.DAT;1                                  23469  11-JAN-1993 20:16
[BGMS]BGMS82072.DAT;1                                  17989  11-JAN-1993 20:33
[BGMS]BGMS82073.DAT;1                                  32674  11-JAN-1993 20:46
[BGMS]BGMS82074.DAT;1                                  26837  11-JAN-1993 21:10
[BGMS]BGMS82075.DAT;1                                  17241  11-JAN-1993 21:29
[BGMS]BGMS82076.DAT;1                                  23773  11-JAN-1993 21:42
[BGMS]BGMS82077.DAT;1                                  39766  11-JAN-1993 21:59
[BGMS]BGMS82078.DAT;1                                  30195  11-JAN-1993 22:28
[BGMS]DEHIRES_LOAD.PRO;1                                   6  26-JUL-1993 12:51
[BGMS]DEHIRES_README.DOC;3                                 7  15-JUL-1993 14:22
[BGMS]DELOAD_AVE.PRO;22                                   10   8-APR-1993 13:50

Total of 25 files, 546222 blocks
End of save set
```

Listing of save set(s) OF BGMS3-D108208

```
Save set:           BGMS15.BCK
Written by:         MAGELM
UIC:                [000320,000014]
Date:                1-NOV-1994 22:13:47.02
Command:            BACKUP/RECORD/IGNOR=LABEL DUG1:[BGMS]*.* MUB0:BGMS15.BCK/SAVE
Operating system:   VAX/VMS version V5.4
BACKUP version:     V5.4
CPU ID register:    08000000
Node name:          _MAGSPA::
Written on:         _MAGSPA$MUB0:
Block size:         32768
Buffer count:       3

[BGMS]BGMS82079.DAT;1                                   33276  13-JAN-1993 18:01
[BGMS]BGMS82080.DAT;1                                   21530  13-JAN-1993 18:26
[BGMS]BGMS82081.DAT;1                                   19915  13-JAN-1993 18:43
[BGMS]BGMS82082.DAT;1                                   36156  13-JAN-1993 18:59
[BGMS]BGMS82083.DAT;1                                   29489  13-JAN-1993 19:27
[BGMS]BGMS82084.DAT;1                                   36510  13-JAN-1993 19:50
[BGMS]BGMS82085.DAT;1                                   39057  13-JAN-1993 20:18
[BGMS]BGMS82086.DAT;1                                   49031  13-JAN-1993 20:49
[BGMS]BGMS82087.DAT;1                                   35145  13-JAN-1993 21:27
[BGMS]BGMS82088.DAT;1                                   35327  13-JAN-1993 21:53
[BGMS]BGMS82089.DAT;1                                   40528  13-JAN-1993 22:21
[BGMS]BGMS82090.DAT;1                                   44675  13-JAN-1993 22:52
[BGMS]BGMS82091.DAT;1                                   45628  13-JAN-1993 23:27
[BGMS]BGMS82092.DAT;1                                   31726  14-JAN-1993 00:03
[BGMS]BGMS82093.DAT;1                                   28187  14-JAN-1993 00:29
[BGMS]BGMS82094.DAT;1                                   34929  14-JAN-1993 00:50
[BGMS]DEHIRES_LOAD.PRO;1                                    6  26-JUL-1993 12:51
[BGMS]DEHIRES_README.DOC;3                                  7  15-JUL-1993 14:22
[BGMS]DELOAD_AVE.PRO;22                                    10   8-APR-1993 13:50

Total of 19 files, 561132 blocks
End of save set

Save set:           BGMS16.BCK
Written by:         MAGELM
UIC:                [000320,000014]
Date:                1-NOV-1994 22:54:34.97
Command:            BACKUP/RECORD/IGNOR=LABEL DUG1:[BGMS]*.* MUB0:BGMS16.BCK/SAVE
Operating system:   VAX/VMS version V5.4
BACKUP version:     V5.4
CPU ID register:    08000000
Node name:          _MAGSPA::
Written on:         _MAGSPA$MUB0:
Block size:         32768
Buffer count:       3

[BGMS]BGMS82095.DAT;1                                   43201  14-JAN-1993 18:00
[BGMS]BGMS82096.DAT;1                                   23747  14-JAN-1993 18:32
[BGMS]BGMS82097.DAT;1                                   24660  14-JAN-1993 18:50
[BGMS]BGMS82098.DAT;1                                   41113  14-JAN-1993 19:08
[BGMS]BGMS82099.DAT;1                                   27055  14-JAN-1993 19:38
[BGMS]BGMS82100.DAT;1                                   36848  14-JAN-1993 19:57
[BGMS]BGMS82101.DAT;1                                   36135  14-JAN-1993 20:24
[BGMS]BGMS82102.DAT;1                                   35640  14-JAN-1993 20:50
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[BGMS]BGMS82103.DAT;1                                    25380  14-JAN-1993 21:16
[BGMS]BGMS82104.DAT;1                                    38623  14-JAN-1993 21:34
[BGMS]BGMS82105.DAT;1                                    45091  14-JAN-1993 22:02
[BGMS]BGMS82106.DAT;1                                    34403  14-JAN-1993 22:35
[BGMS]BGMS82107.DAT;1                                    37566  14-JAN-1993 23:00
[BGMS]BGMS82108.DAT;1                                    21382  14-JAN-1993 23:28
[BGMS]BGMS82109.DAT;1                                    35275  14-JAN-1993 23:44
[BGMS]BGMS82110.DAT;1                                    45856  15-JAN-1993 00:10
[BGMS]DEHIRES_LOAD.PRO;1                                     6  26-JUL-1993 12:51
[BGMS]DEHIRES_README.DOC;3                                   7  15-JUL-1993 14:22
[BGMS]DELOAD_AVE.PRO;22                                     10   8-APR-1993 13:50

Total of 19 files, 551998 blocks
End of save set

Save set:           BGMS17.BCK
Written by:         MAGELM
UIC:                [000320,000014]
Date:                2-NOV-1994 19:14:26.19
Command:            BACKUP/RECORD/IGNOR=LABEL DUG1:[BGMS]*.* MUB0:BGMS17.BCK/SAVE
Operating system:   VAX/VMS version V5.4
BACKUP version:     V5.4
CPU ID register:    08000000
Node name:          _MAGSPA::
Written on:         _MAGSPA$MUB0:
Block size:         32768
Buffer count:       3

[BGMS]BGMS82111.DAT;1                                    23677  15-JAN-1993 10:23
[BGMS]BGMS82112.DAT;1                                    40183  15-JAN-1993 10:40
[BGMS]BGMS82113.DAT;1                                    28123  15-JAN-1993 11:25
[BGMS]BGMS82114.DAT;1                                    26220  15-JAN-1993 11:49
[BGMS]BGMS82115.DAT;1                                    42123  15-JAN-1993 12:09
[BGMS]BGMS82116.DAT;1                                    45801  15-JAN-1993 12:43
[BGMS]BGMS82117.DAT;1                                    42533  15-JAN-1993 13:33
[BGMS]BGMS82118.DAT;1                                    38321  15-JAN-1993 14:20
[BGMS]BGMS82119.DAT;1                                    40378  15-JAN-1993 14:48
[BGMS]BGMS82120.DAT;1                                    43618  15-JAN-1993 15:21
[BGMS]BGMS82121.DAT;1                                    39479  15-JAN-1993 15:54
[BGMS]BGMS82122.DAT;1                                    42713  15-JAN-1993 16:25
[BGMS]BGMS82123.DAT;1                                    41299  15-JAN-1993 16:58
[BGMS]BGMS82124.DAT;1                                    36742  15-JAN-1993 17:50
[BGMS]BGMS82125.DAT;1                                    40521  15-JAN-1993 18:37
[BGMS]DEHIRES_LOAD.PRO;1                                     6  26-JUL-1993 12:51
[BGMS]DEHIRES_README.DOC;3                                   7  15-JUL-1993 14:22
[BGMS]DELOAD_AVE.PRO;22                                     10   8-APR-1993 13:50

Total of 18 files, 571754 blocks
End of save set

Save set:           BGMS18.BCK
Written by:         MAGELM
UIC:                [000320,000014]
Date:                2-NOV-1994 21:46:28.68
Command:            BACKUP/RECORD/IGNOR=LABEL DUG1:[BGMS]*.* MUB0:BGMS18.BCK/SAVE
Operating system:   VAX/VMS version V5.4
BACKUP version:     V5.4
CPU ID register:    08000000
Node name:          _MAGSPA::
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Written on:          _MAGSPA$MUB0:
Block size:          32768
Buffer count:        3

[BGMS]BGMS82126.DAT;1                                    18812  18-JAN-1993 13:00
[BGMS]BGMS82127.DAT;1                                    29003  18-JAN-1993 13:14
[BGMS]BGMS82128.DAT;1                                    36070  18-JAN-1993 13:35
[BGMS]BGMS82129.DAT;1                                    38581  18-JAN-1993 14:01
[BGMS]BGMS82130.DAT;1                                    36082  18-JAN-1993 14:29
[BGMS]BGMS82131.DAT;1                                    36287  18-JAN-1993 14:55
[BGMS]BGMS82132.DAT;1                                    41850  18-JAN-1993 15:21
[BGMS]BGMS82133.DAT;1                                    28770  18-JAN-1993 15:51
[BGMS]BGMS82134.DAT;1                                    40140  18-JAN-1993 16:11
[BGMS]BGMS82135.DAT;1                                    36652  18-JAN-1993 16:39
[BGMS]BGMS82136.DAT;1                                    46498  18-JAN-1993 17:05
[BGMS]BGMS82137.DAT;1                                    27493  18-JAN-1993 17:39
[BGMS]BGMS82138.DAT;1                                    40883  18-JAN-1993 17:58
[BGMS]BGMS82139.DAT;1                                    45028  18-JAN-1993 18:28
[BGMS]BGMS82140.DAT;1                                    42418  18-JAN-1993 19:00
[BGMS]DEHIRES_LOAD.PRO;1                                     6  26-JUL-1993 12:51
[BGMS]DEHIRES_README.DOC;3                                   7  15-JUL-1993 14:22
[BGMS]DELOAD_AVE.PRO;22                                     10   8-APR-1993 13:50

Total of 18 files, 544590 blocks
End of save set

Save set:            BGMS19.BCK
Written by:          MAGELM
UIC:                 [000320,000014]
Date:                 2-NOV-1994 22:15:00.88
Command:             BACKUP/RECORD/IGNOR=LABEL DUG1:[BGMS]*.* MUB0:BGMS19.BCK/SAVE
Operating system:    VAX/VMS version V5.4
BACKUP version:      V5.4
CPU ID register:     08000000
Node name:           _MAGSPA::
Written on:          _MAGSPA$MUB0:
Block size:          32768
Buffer count:        3

[BGMS]BGMS82141.DAT;1                                    55501  19-JAN-1993 18:00
[BGMS]BGMS82142.DAT;1                                    37106  19-JAN-1993 18:40
[BGMS]BGMS82143.DAT;1                                    42837  19-JAN-1993 19:07
[BGMS]BGMS82144.DAT;1                                    40805  19-JAN-1993 19:38
[BGMS]BGMS82145.DAT;1                                    47376  19-JAN-1993 20:07
[BGMS]BGMS82146.DAT;1                                    34729  19-JAN-1993 20:41
[BGMS]BGMS82147.DAT;1                                    51103  19-JAN-1993 21:05
[BGMS]BGMS82148.DAT;1                                    39465  19-JAN-1993 21:41
[BGMS]BGMS82149.DAT;1                                    39235  19-JAN-1993 22:09
[BGMS]BGMS82150.DAT;1                                    36106  19-JAN-1993 22:36
[BGMS]BGMS82151.DAT;1                                    33639  19-JAN-1993 23:02
[BGMS]BGMS82152.DAT;1                                    42664  19-JAN-1993 23:26
[BGMS]BGMS82153.DAT;1                                    31296  19-JAN-1993 23:56
[BGMS]BGMS82154.DAT;1                                    35802  20-JAN-1993 00:19
[BGMS]DEHIRES_LOAD.PRO;1                                     6  26-JUL-1993 12:51
[BGMS]DEHIRES_README.DOC;3                                   7  15-JUL-1993 14:22
[BGMS]DELOAD_AVE.PRO;22                                     10   8-APR-1993 13:50

Total of 17 files, 567687 blocks
End of save set
```

```
Save set:           BGMS20.BCK
Written by:         MAGELM
UIC:                [000320,000014]
Date:                2-NOV-1994 22:44:17.25
Command:            BACKUP/RECORD/IGNOR=LABEL DUG1:[BGMS]*.* MUB0:BGMS20.BCK/SAVE
Operating system:   VAX/VMS version V5.4
BACKUP version:     V5.4
CPU ID register:    08000000
Node name:          _MAGSPA::
Written on:         _MAGSPA$MUB0:
Block size:         32768
Buffer count:       3

[BGMS]BGMS82155.DAT;1                                  32466  20-JAN-1993 09:08
[BGMS]BGMS82156.DAT;1                                  30953  20-JAN-1993 09:31
[BGMS]BGMS82157.DAT;1                                  42208  20-JAN-1993 09:54
[BGMS]BGMS82158.DAT;1                                  38124  20-JAN-1993 10:25
[BGMS]BGMS82159.DAT;1                                  40107  20-JAN-1993 10:53
[BGMS]BGMS82160.DAT;1                                  37137  20-JAN-1993 11:21
[BGMS]BGMS82161.DAT;1                                  29374  20-JAN-1993 11:49
[BGMS]BGMS82162.DAT;1                                  39373  20-JAN-1993 12:09
[BGMS]BGMS82163.DAT;1                                  45376  20-JAN-1993 12:38
[BGMS]BGMS82164.DAT;1                                  21447  20-JAN-1993 13:10
[BGMS]BGMS82165.DAT;1                                  36134  20-JAN-1993 13:26
[BGMS]BGMS82166.DAT;1                                  41132  20-JAN-1993 13:52
[BGMS]BGMS82167.DAT;1                                  34696  20-JAN-1993 14:22
[BGMS]BGMS82168.DAT;1                                  44267  20-JAN-1993 14:48
[BGMS]BGMS82169.DAT;1                                  46530  20-JAN-1993 15:20
[BGMS]DEHIRES_LOAD.PRO;1                                   6  26-JUL-1993 12:51
[BGMS]DEHIRES_README.DOC;3                                 7  15-JUL-1993 14:22
[BGMS]DELOAD_AVE.PRO;22                                   10   8-APR-1993 13:50

Total of 18 files, 559347 blocks
End of save set

Save set:           BGMS21.BCK
Written by:         MAGELM
UIC:                [000320,000014]
Date:                7-NOV-1994 09:07:47.59
Command:            BACKUP/RECORD/IGNOR=LABEL DUG1:[BGMS]*.* MUB0:BGMS21.BCK/SAVE
Operating system:   VAX/VMS version V5.4
BACKUP version:     V5.4
CPU ID register:    08000000
Node name:          _MAGSPA::
Written on:         _MAGSPA$MUB0:
Block size:         32768
Buffer count:       3

[BGMS]BGMS82170.DAT;1                                  36752  20-JAN-1993 16:03
[BGMS]BGMS82171.DAT;1                                  34291  20-JAN-1993 16:32
[BGMS]BGMS82172.DAT;1                                  31893  20-JAN-1993 16:58
[BGMS]BGMS82173.DAT;1                                  18515  20-JAN-1993 17:22
[BGMS]BGMS82174.DAT;1                                  27342  20-JAN-1993 17:36
[BGMS]BGMS82175.DAT;1                                  32070  20-JAN-1993 17:57
[BGMS]BGMS82176.DAT;1                                  17061  20-JAN-1993 18:20
[BGMS]BGMS82177.DAT;1                                  24500  20-JAN-1993 18:33
[BGMS]BGMS82178.DAT;1                                  48916  20-JAN-1993 18:50
[BGMS]BGMS82179.DAT;1                                  37383  20-JAN-1993 19:25
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[BGMS]BGMS82180.DAT;1                                    36278  20-JAN-1993 19:52
[BGMS]BGMS82181.DAT;1                                    24429  20-JAN-1993 20:19
[BGMS]BGMS82182.DAT;1                                    29798  20-JAN-1993 20:37
[BGMS]BGMS82183.DAT;1                                    25462  20-JAN-1993 20:58
[BGMS]BGMS82184.DAT;1                                    15434  20-JAN-1993 21:17
[BGMS]BGMS82185.DAT;1                                    26728  20-JAN-1993 21:28
[BGMS]BGMS82186.DAT;1                                    22396  20-JAN-1993 21:48
[BGMS]BGMS82187.DAT;1                                    19842  20-JAN-1993 22:04
[BGMS]BGMS82188.DAT;1                                    22936  20-JAN-1993 22:19
[BGMS]BGMS82189.DAT;1                                    37916  20-JAN-1993 22:36
[BGMS]DEHIRES_LOAD.PRO;1                                     6  26-JUL-1993 12:51
[BGMS]DEHIRES_README.DOC;3                                   7  15-JUL-1993 14:22
[BGMS]DELOAD_AVE.PRO;22                                     10   8-APR-1993 13:50

Total of 23 files, 569965 blocks
End of save set

Save set:           BGMS22.BCK
Written by:         MAGELM
UIC:                [000320,000014]
Date:                7-NOV-1994 11:55:28.57
Command:            BACKUP/RECORD/IGNOR=LABEL DUG1:[BGMS]*.* MUB0:BGMS22.BCK/SAVE
Operating system:   VAX/VMS version V5.4
BACKUP version:     V5.4
CPU ID register:    08000000
Node name:          _MAGSPA::
Written on:         _MAGSPA$MUB0:
Block size:         32768
Buffer count:       3

[BGMS]BGMS82190.DAT;1                                    36443  21-JAN-1993 15:04
[BGMS]BGMS82191.DAT;1                                    22217  21-JAN-1993 15:33
[BGMS]BGMS82192.DAT;1                                    21707  21-JAN-1993 15:50
[BGMS]BGMS82193.DAT;1                                    17567  21-JAN-1993 16:07
[BGMS]BGMS82194.DAT;1                                    26533  21-JAN-1993 16:21
[BGMS]BGMS82195.DAT;1                                    22466  21-JAN-1993 16:42
[BGMS]BGMS82196.DAT;1                                    34414  21-JAN-1993 16:59
[BGMS]BGMS82197.DAT;1                                    31857  21-JAN-1993 17:26
[BGMS]BGMS82198.DAT;1                                    32340  21-JAN-1993 17:51
[BGMS]BGMS82199.DAT;1                                    29047  21-JAN-1993 18:16
[BGMS]BGMS82200.DAT;1                                    21821  21-JAN-1993 18:39
[BGMS]BGMS82201.DAT;1                                    28895  21-JAN-1993 18:57
[BGMS]BGMS82202.DAT;1                                    38080  21-JAN-1993 19:19
[BGMS]BGMS82203.DAT;1                                    35327  21-JAN-1993 19:49
[BGMS]BGMS82204.DAT;1                                    36130  21-JAN-1993 20:16
[BGMS]BGMS82205.DAT;1                                    36016  21-JAN-1993 20:44
[BGMS]BGMS82206.DAT;1                                    28456  21-JAN-1993 21:13
[BGMS]BGMS82207.DAT;1                                    30274  21-JAN-1993 21:35
[BGMS]BGMS82208.DAT;1                                    37480  21-JAN-1993 22:00
```

Listing of save set(s) OF BGMS4-D108209

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Save set:           BGMS22.BCK
Written by:         MAGELM
UIC:                [000320,000014]
Date:               14-NOV-1994 09:48:58.89
Command:            BACKUP/RECORD/IGNOR=LABEL DUG1:[BGMS]*.* MUB0:BGMS22.BCK/SAVE
Operating system:   VAX/VMS version V5.4
BACKUP version:     V5.4
CPU ID register:    08000000
Node name:          _MAGSPA::
Written on:         _MAGSPA$MUB0:
Block size:         32768
Buffer count:       3

[BGMS]BGMS82190.DAT;1                          36443  21-JAN-1993 15:04
[BGMS]BGMS82191.DAT;1                          22217  21-JAN-1993 15:33
[BGMS]BGMS82192.DAT;1                          21707  21-JAN-1993 15:50
[BGMS]BGMS82193.DAT;1                          17567  21-JAN-1993 16:07
[BGMS]BGMS82194.DAT;1                          26533  21-JAN-1993 16:21
[BGMS]BGMS82195.DAT;1                          22466  21-JAN-1993 16:42
[BGMS]BGMS82196.DAT;1                          34414  21-JAN-1993 16:59
[BGMS]BGMS82197.DAT;1                          31857  21-JAN-1993 17:26
[BGMS]BGMS82198.DAT;1                          32340  21-JAN-1993 17:51
[BGMS]BGMS82199.DAT;1                          29047  21-JAN-1993 18:16
[BGMS]BGMS82200.DAT;1                          21821  21-JAN-1993 18:39
[BGMS]BGMS82201.DAT;1                          28895  21-JAN-1993 18:57
[BGMS]BGMS82202.DAT;1                          38080  21-JAN-1993 19:19
[BGMS]BGMS82203.DAT;1                          35327  21-JAN-1993 19:49
[BGMS]BGMS82204.DAT;1                          36130  21-JAN-1993 20:16
[BGMS]BGMS82205.DAT;1                          36016  21-JAN-1993 20:44
[BGMS]BGMS82206.DAT;1                          28456  21-JAN-1993 21:13
[BGMS]BGMS82207.DAT;1                          30274  21-JAN-1993 21:35
[BGMS]BGMS82208.DAT;1                          37480  21-JAN-1993 22:00
[BGMS]DEHIRES_LOAD.PRO;1                           6  26-JUL-1993 12:51
[BGMS]DEHIRES_README.DOC;3                         7  15-JUL-1993 14:22
[BGMS]DELOAD_AVE.PRO;22                           10   8-APR-1993 13:50

Total of 22 files, 567093 blocks
End of save set

Save set:           BGMS23.BCK
Written by:         MAGELM
UIC:                [000320,000014]
Date:               14-NOV-1994 10:21:37.30
Command:            BACKUP/RECORD/IGNOR=LABEL DUG1:[BGMS]*.* MUB0:BGMS23.BCK/SAVE
Operating system:   VAX/VMS version V5.4
BACKUP version:     V5.4
CPU ID register:    08000000
Node name:          _MAGSPA::
Written on:         _MAGSPA$MUB0:
Block size:         32768
Buffer count:       3

[BGMS]BGMS82209.DAT;1                          34184  22-JAN-1993 18:00
[BGMS]BGMS82210.DAT;1                          31131  22-JAN-1993 18:51
[BGMS]BGMS82211.DAT;1                          38261  22-JAN-1993 19:20
[BGMS]BGMS82212.DAT;1                          30639  22-JAN-1993 19:48
[BGMS]BGMS82213.DAT;1                          29639  22-JAN-1993 20:10
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[BGMS]BGMS82214.DAT;1                                    35179  22-JAN-1993 20:31
[BGMS]BGMS82215.DAT;1                                    32605  22-JAN-1993 20:56
[BGMS]BGMS82216.DAT;1                                    39386  22-JAN-1993 21:19
[BGMS]BGMS82217.DAT;1                                    18028  22-JAN-1993 21:47
[BGMS]BGMS82218.DAT;1                                    23564  22-JAN-1993 22:00
[BGMS]BGMS82219.DAT;1                                    20173  22-JAN-1993 22:17
[BGMS]BGMS82220.DAT;1                                    18617  22-JAN-1993 22:31
[BGMS]BGMS82221.DAT;1                                    24977  22-JAN-1993 22:44
[BGMS]BGMS82222.DAT;1                                    30047  22-JAN-1993 23:02
[BGMS]BGMS82223.DAT;1                                    34804  22-JAN-1993 23:24
[BGMS]BGMS82224.DAT;1                                    29105  22-JAN-1993 23:49
[BGMS]BGMS82225.DAT;1                                    29877  23-JAN-1993 00:10
[BGMS]BGMS82226.DAT;1                                    22871  23-JAN-1993 00:31
[BGMS]BGMS82227.DAT;1                                    23840  23-JAN-1993 00:48
[BGMS]BGMS82228.DAT;1                                    18884  23-JAN-1993 01:05
[BGMS]DEHIRES_LOAD.PRO;1                                     6  26-JUL-1993 12:51
[BGMS]DEHIRES_README.DOC;3                                   7  15-JUL-1993 14:22
[BGMS]DELOAD_AVE.PRO;22                                     10   8-APR-1993 13:50

Total of 23 files, 565834 blocks
End of save set

Save set:           BGMS24.BCK
Written by:         MAGELM
UIC:                [000320,000014]
Date:               14-NOV-1994 10:53:10.34
Command:            BACKUP/RECORD/IGNOR=LABEL DUG1:[BGMS]*.* MUB0:BGMS24.BCK/SAVE
Operating system:   VAX/VMS version V5.4
BACKUP version:     V5.4
CPU ID register:    08000000
Node name:          _MAGSPA::
Written on:         _MAGSPA$MUB0:
Block size:         32768
Buffer count:       3

[BGMS]BGMS82229.DAT;1                                    18739  23-JAN-1993 11:24
[BGMS]BGMS82230.DAT;1                                    15822  23-JAN-1993 11:37
[BGMS]BGMS82231.DAT;1                                    23388  23-JAN-1993 11:49
[BGMS]BGMS82232.DAT;1                                     7823  23-JAN-1993 12:06
[BGMS]BGMS82233.DAT;1                                     9603  23-JAN-1993 12:12
[BGMS]BGMS82234.DAT;1                                    23490  23-JAN-1993 12:19
[BGMS]BGMS82235.DAT;1                                    16054  23-JAN-1993 12:36
[BGMS]BGMS82236.DAT;1                                    18915  23-JAN-1993 12:47
[BGMS]BGMS82237.DAT;1                                    25047  23-JAN-1993 13:01
[BGMS]BGMS82238.DAT;1                                    31418  23-JAN-1993 13:19
[BGMS]BGMS82239.DAT;1                                    24979  23-JAN-1993 13:41
[BGMS]BGMS82240.DAT;1                                    16202  23-JAN-1993 13:59
[BGMS]BGMS82241.DAT;1                                    21051  23-JAN-1993 14:11
[BGMS]BGMS82242.DAT;1                                    21249  23-JAN-1993 14:26
[BGMS]BGMS82245.DAT;1                                    25059  23-JAN-1993 14:41
[BGMS]BGMS82246.DAT;1                                    32260  23-JAN-1993 14:59
[BGMS]BGMS82247.DAT;1                                    31489  23-JAN-1993 15:23
[BGMS]BGMS82248.DAT;1                                    29815  23-JAN-1993 15:46
[BGMS]BGMS82249.DAT;1                                    32073  23-JAN-1993 16:08
[BGMS]BGMS82250.DAT;1                                    31907  23-JAN-1993 16:31
[BGMS]BGMS82251.DAT;1                                    24405  23-JAN-1993 16:55
[BGMS]BGMS82252.DAT;1                                    26805  23-JAN-1993 17:14
[BGMS]BGMS82253.DAT;1                                    27915  23-JAN-1993 17:36
[BGMS]DEHIRES_LOAD.PRO;1                                     6  26-JUL-1993 12:51
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[BGMS]DEHIRES_README.DOC;3                                  7  15-JUL-1993 14:22
[BGMS]DELOAD_AVE.PRO;22                                    10   8-APR-1993 13:50

Total of 26 files, 535531 blocks
End of save set

Save set:           BGMS25.BCK
Written by:         MAGELM
UIC:                [000320,000014]
Date:               14-NOV-1994 12:32:39.95
Command:            BACKUP/RECORD/IGNOR=LABEL DUG1:[BGMS]*.* MUB0:BGMS25.BCK/SAVE
Operating system:   VAX/VMS version V5.4
BACKUP version:     V5.4
CPU ID register:    08000000
Node name:          _MAGSPA::
Written on:         _MAGSPA$MUB0:
Block size:         32768
Buffer count:       3

[BGMS]BGMS82254.DAT;1                                   31859  25-JAN-1993 18:00
[BGMS]BGMS82255.DAT;1                                   28145  25-JAN-1993 18:23
[BGMS]BGMS82256.DAT;1                                   24004  25-JAN-1993 18:43
[BGMS]BGMS82257.DAT;1                                   27841  25-JAN-1993 19:01
[BGMS]BGMS82258.DAT;1                                   22384  25-JAN-1993 19:21
[BGMS]BGMS82259.DAT;1                                   15059  25-JAN-1993 19:37
[BGMS]BGMS82260.DAT;1                                   27593  25-JAN-1993 19:48
[BGMS]BGMS82261.DAT;1                                   29413  25-JAN-1993 20:07
[BGMS]BGMS82262.DAT;1                                   21739  25-JAN-1993 20:29
[BGMS]BGMS82263.DAT;1                                   25612  25-JAN-1993 20:44
[BGMS]BGMS82264.DAT;1                                   32154  25-JAN-1993 21:02
[BGMS]BGMS82265.DAT;1                                   20669  25-JAN-1993 21:25
[BGMS]BGMS82266.DAT;1                                   34192  25-JAN-1993 21:40
[BGMS]BGMS82267.DAT;1                                   22412  25-JAN-1993 22:04
[BGMS]BGMS82268.DAT;1                                   33502  25-JAN-1993 22:20
[BGMS]BGMS82269.DAT;1                                   38025  25-JAN-1993 22:45
[BGMS]BGMS82270.DAT;1                                   23828  25-JAN-1993 23:12
[BGMS]BGMS82271.DAT;1                                   24402  25-JAN-1993 23:30
[BGMS]BGMS82272.DAT;1                                   30935  25-JAN-1993 23:47
[BGMS]BGMS82273.DAT;1                                   31127  26-JAN-1993 00:10
[BGMS]DEHIRES_LOAD.PRO;1                                    6  26-JUL-1993 12:51
[BGMS]DEHIRES_README.DOC;3                                  7  15-JUL-1993 14:22
[BGMS]DELOAD_AVE.PRO;22                                    10   8-APR-1993 13:50

Total of 23 files, 544918 blocks
End of save set

Save set:           BGMS26.BCK
Written by:         MAGELM
UIC:                [000320,000014]
Date:               16-NOV-1994 11:24:33.48
Command:            BACKUP/RECORD/IGNOR=LABEL DUG1:[BGMS]*.* MUB0:BGMS26.BCK/SAVE
Operating system:   VAX/VMS version V5.4
BACKUP version:     V5.4
CPU ID register:    08000000
Node name:          _MAGSPA::
Written on:         _MAGSPA$MUB0:
Block size:         32768
Buffer count:       3
```

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[BGMS]BGMS82274.DAT;1                                    27719  26-JAN-1993 18:00
[BGMS]BGMS82275.DAT;1                                    32651  26-JAN-1993 18:20
[BGMS]BGMS82276.DAT;1                                    18253  26-JAN-1993 18:44
[BGMS]BGMS82277.DAT;1                                    30217  26-JAN-1993 18:57
[BGMS]BGMS82278.DAT;1                                    30867  26-JAN-1993 19:19
[BGMS]BGMS82279.DAT;1                                    28947  26-JAN-1993 19:41
[BGMS]BGMS82280.DAT;1                                    25552  26-JAN-1993 20:02
[BGMS]BGMS82281.DAT;1                                    31873  26-JAN-1993 20:20
[BGMS]BGMS82282.DAT;1                                    25468  26-JAN-1993 20:43
[BGMS]BGMS82283.DAT;1                                    26475  26-JAN-1993 21:01
[BGMS]BGMS82284.DAT;1                                    37394  26-JAN-1993 21:20
[BGMS]BGMS82285.DAT;1                                    35078  26-JAN-1993 21:46
[BGMS]BGMS82286.DAT;1                                    21808  26-JAN-1993 22:11
[BGMS]BGMS82287.DAT;1                                    39254  26-JAN-1993 22:27
[BGMS]BGMS82288.DAT;1                                    36801  26-JAN-1993 22:55
[BGMS]BGMS82289.DAT;1                                    27212  26-JAN-1993 23:22
[BGMS]BGMS82290.DAT;1                                    34265  26-JAN-1993 23:42
[BGMS]BGMS82291.DAT;1                                    40245  27-JAN-1993 00:07
[BGMS]DEHIRES_LOAD.PRO;1                                     6  26-JUL-1993 12:51
[BGMS]DEHIRES_README.DOC;3                                   7  15-JUL-1993 14:22
[BGMS]DELOAD_AVE.PRO;22                                     10   8-APR-1993 13:50

Total of 21 files, 550102 blocks
End of save set

Save set:           BGMS27.BCK
Written by:         MAGELM
UIC:                [000320,000014]
Date:               16-NOV-1994 15:05:35.35
Command:            BACKUP/RECORD/IGNOR=LABEL DUG1:[BGMS]*.* MUB0:BGMS27.BCK/SAVE
Operating system:   VAX/VMS version V5.4
BACKUP version:     V5.4
CPU ID register:    08000000
Node name:          _MAGSPA::
Written on:         _MAGSPA$MUB0:
Block size:         32768
Buffer count:       3

[BGMS]BGMS82292.DAT;1                                    34235  27-JAN-1993 18:00
[BGMS]BGMS82293.DAT;1                                    37941  27-JAN-1993 18:42
[BGMS]BGMS82294.DAT;1                                    31549  27-JAN-1993 19:27
[BGMS]BGMS82295.DAT;1                                    32985  27-JAN-1993 19:59
[BGMS]BGMS82296.DAT;1                                    34627  27-JAN-1993 20:36
[BGMS]BGMS82297.DAT;1                                    22188  27-JAN-1993 21:09
[BGMS]BGMS82298.DAT;1                                    31793  27-JAN-1993 21:29
[BGMS]BGMS82299.DAT;1                                    37060  27-JAN-1993 21:57
[BGMS]BGMS82300.DAT;1                                    19999  27-JAN-1993 22:40
[BGMS]BGMS82301.DAT;1                                    32659  27-JAN-1993 23:04
[BGMS]BGMS82302.DAT;1                                    37428  27-JAN-1993 23:45
[BGMS]BGMS82303.DAT;1                                    39845  28-JAN-1993 00:21
[BGMS]BGMS82304.DAT;1                                    34864  28-JAN-1993 00:50
[BGMS]BGMS82305.DAT;1                                    36425  28-JAN-1993 01:15
[BGMS]BGMS82306.DAT;1                                    36041  28-JAN-1993 01:42
[BGMS]BGMS82307.DAT;1                                    40020  28-JAN-1993 02:08
[BGMS]DEHIRES_LOAD.PRO;1                                     6  26-JUL-1993 12:51
[BGMS]DEHIRES_README.DOC;3                                   7  15-JUL-1993 14:22
[BGMS]DELOAD_AVE.PRO;22                                     10   8-APR-1993 13:50

Total of 19 files, 539682 blocks
```

```
End of save set

Save set:           BGMS28.BCK
Written by:         MAGELM
UIC:                [000320,000014]
Date:               16-NOV-1994 15:50:02.21
Command:            BACKUP/RECORD/IGNOR=LABEL DUG1:[BGMS]*.* MUB0:BGMS28.BCK/SAVE
Operating system:   VAX/VMS version V5.4
BACKUP version:     V5.4
CPU ID register:    08000000
Node name:          _MAGSPA::
Written on:         _MAGSPA$MUB0:
Block size:         32768
Buffer count:       3

[BGMS]BGMS82308.DAT;1                                  32035  28-JAN-1993 18:00
[BGMS]BGMS82309.DAT;1                                  35508  28-JAN-1993 18:36
[BGMS]BGMS82310.DAT;1                                  30782  28-JAN-1993 19:14
[BGMS]BGMS82311.DAT;1                                  42483  28-JAN-1993 19:45
[BGMS]BGMS82312.DAT;1                                  33078  28-JAN-1993 20:37
[BGMS]BGMS82313.DAT;1                                  43328  28-JAN-1993 21:16
[BGMS]BGMS82314.DAT;1                                  41947  28-JAN-1993 22:12
[BGMS]BGMS82315.DAT;1                                  33379  28-JAN-1993 23:03
[BGMS]BGMS82316.DAT;1                                  35892  28-JAN-1993 23:28
[BGMS]BGMS82317.DAT;1                                  18825  28-JAN-1993 23:56
[BGMS]BGMS82318.DAT;1                                  31451  29-JAN-1993 00:11
[BGMS]BGMS82319.DAT;1                                  26459  29-JAN-1993 00:36
[BGMS]BGMS82320.DAT;1                                  33127  29-JAN-1993 00:56
[BGMS]BGMS82321.DAT;1                                  39299  29-JAN-1993 01:21
[BGMS]BGMS82322.DAT;1                                  44630  29-JAN-1993 01:50
[BGMS]BGMS82323.DAT;1                                  37766  29-JAN-1993 02:22
[BGMS]DEHIRES_LOAD.PRO;1                                   6  26-JUL-1993 12:51
[BGMS]DEHIRES_README.DOC;3                                 7  15-JUL-1993 14:22
[BGMS]DELOAD_AVE.PRO;22                                   10   8-APR-1993 13:50

Total of 19 files, 560012 blocks
End of save set
```

Listing of save set(s) OF BGMS5-D108210

```
Save set:           BGMS29.BCK
Written by:         MAGELM
UIC:                [000320,000014]
Date:               17-NOV-1994 16:23:51.78
Command:            BACKUP/RECORD/IGNOR=LABEL DUG1:[BGMS]*.* MUB0:BGMS29.BCK/SAVE
Operating system:   VAX/VMS version V5.4
BACKUP version:     V5.4
CPU ID register:    08000000
Node name:          _MAGSPA::
Written on:         _MAGSPA$MUB0:
Block size:         32768
Buffer count:       3

[BGMS]BGMS82324.DAT;1                                  32618  29-JAN-1993 23:00
[BGMS]BGMS82325.DAT;1                                  41528  29-JAN-1993 23:23
[BGMS]BGMS82326.DAT;1                                  27932  29-JAN-1993 23:53
[BGMS]BGMS82327.DAT;1                                  30843  30-JAN-1993 00:14
[BGMS]BGMS82328.DAT;1                                  50132  30-JAN-1993 00:36
[BGMS]BGMS82329.DAT;1                                  52698  30-JAN-1993 01:12
[BGMS]BGMS82330.DAT;1                                  46829  30-JAN-1993 01:49
[BGMS]BGMS82331.DAT;1                                  31360  30-JAN-1993 02:22
[BGMS]BGMS82332.DAT;1                                  38227  30-JAN-1993 02:44
[BGMS]BGMS82333.DAT;1                                  55917  30-JAN-1993 03:11
[BGMS]BGMS82334.DAT;1                                  32663  30-JAN-1993 03:52
[BGMS]BGMS82335.DAT;1                                  22009  30-JAN-1993 04:15
[BGMS]BGMS82336.DAT;1                                  22552  30-JAN-1993 04:31
[BGMS]BGMS82337.DAT;1                                  27239  30-JAN-1993 04:47
[BGMS]BGMS82338.DAT;1                                  42869  30-JAN-1993 05:07
[BGMS]DEHIRES_LOAD.PRO;1                                   6  26-JUL-1993 12:51
[BGMS]DEHIRES_README.DOC;3                                 7  15-JUL-1993 14:22
[BGMS]DELOAD_AVE.PRO;22                                   10   8-APR-1993 13:50

Total of 18 files, 555439 blocks
End of save set

Save set:           BGMS30.BCK
Written by:         MAGELM
UIC:                [000320,000014]
Date:               17-NOV-1994 16:54:35.33
Command:            BACKUP/RECORD/IGNOR=LABEL DUG1:[BGMS]*.* MUB0:BGMS30.BCK/SAVE
Operating system:   VAX/VMS version V5.4
BACKUP version:     V5.4
CPU ID register:    08000000
Node name:          _MAGSPA::
Written on:         _MAGSPA$MUB0:
Block size:         33280
Buffer count:       3

[BGMS]BGMS82339.DAT;1                                  40571   1-FEB-1993 23:00
[BGMS]BGMS82340.DAT;1                                  33112   1-FEB-1993 23:31
[BGMS]BGMS82341.DAT;1                                  27879   1-FEB-1993 23:57
[BGMS]BGMS82342.DAT;1                                  11283   2-FEB-1993 00:18
[BGMS]BGMS82343.DAT;1                                  30607   2-FEB-1993 00:26
[BGMS]BGMS82344.DAT;1                                  34107   2-FEB-1993 00:50
[BGMS]BGMS82345.DAT;1                                  41116   2-FEB-1993 01:17
[BGMS]BGMS82346.DAT;1                                  35323   2-FEB-1993 01:50
[BGMS]BGMS82347.DAT;1                                  27879   2-FEB-1993 02:15
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[BGMS]BGMS82348.DAT;1                                    21303   2-FEB-1993 02:35
[BGMS]BGMS82349.DAT;1                                    35380   2-FEB-1993 02:50
[BGMS]BGMS82350.DAT;1                                    33275   2-FEB-1993 03:16
[BGMS]BGMS82351.DAT;1                                    20768   2-FEB-1993 03:40
[BGMS]BGMS82352.DAT;1                                    28797   2-FEB-1993 03:55
[BGMS]BGMS82353.DAT;1                                    33895   2-FEB-1993 04:15
[BGMS]BGMS82354.DAT;1                                    15730   2-FEB-1993 04:40
[BGMS]BGMS82355.DAT;1                                    19050   2-FEB-1993 04:51
[BGMS]BGMS82356.DAT;1                                    15872   2-FEB-1993 05:05
[BGMS]BGMS82357.DAT;1                                    17960   2-FEB-1993 05:17
[BGMS]BGMS82358.DAT;1                                     5809   2-FEB-1993 05:30
[BGMS]BGMS82359.DAT;1                                    17834   2-FEB-1993 05:34
[BGMS]DEHIRES_LOAD.PRO;1                                     6  26-JUL-1993 12:51
[BGMS]DEHIRES_README.DOC;3                                   7  15-JUL-1993 14:22
[BGMS]DELOAD_AVE.PRO;22                                     10   8-APR-1993 13:50

Total of 24 files, 547573 blocks
End of save set

Save set:           BGMS31.BCK
Written by:         MAGELM
UIC:                [000320,000014]
Date:               18-NOV-1994 11:09:01.69
Command:            BACKUP/RECORD/IGNOR=LABEL DUG1:[BGMS]*.* MUB0:BGMS31.BCK/SAVE
Operating system:   VAX/VMS version V5.4
BACKUP version:     V5.4
CPU ID register:    08000000
Node name:          _MAGSPA::
Written on:         _MAGSPA$MUB0:
Block size:         32768
Buffer count:       3

[BGMS]BGMS82360.DAT;1                                    18302   4-FEB-1993 10:19
[BGMS]BGMS82361.DAT;1                                    24442   4-FEB-1993 10:35
[BGMS]BGMS82362.DAT;1                                    25715   4-FEB-1993 10:55
[BGMS]BGMS82363.DAT;1                                    30898   4-FEB-1993 11:16
[BGMS]BGMS82364.DAT;1                                    14741   4-FEB-1993 11:49
[BGMS]BGMS82365.DAT;1                                    27362   4-FEB-1993 12:01
[BGMS]BGMS83001.DAT;1                                    14749   4-FEB-1993 12:27
[BGMS]BGMS83002.DAT;1                                    25560   4-FEB-1993 12:41
[BGMS]BGMS83003.DAT;1                                    10758   4-FEB-1993 13:04
[BGMS]BGMS83004.DAT;1                                    13819   4-FEB-1993 13:13
[BGMS]BGMS83005.DAT;1                                    34889   4-FEB-1993 13:24
[BGMS]BGMS83006.DAT;1                                    18530   4-FEB-1993 13:49
[BGMS]BGMS83007.DAT;1                                    25458   4-FEB-1993 14:02
[BGMS]BGMS83008.DAT;1                                    26232   4-FEB-1993 14:21
[BGMS]BGMS83009.DAT;1                                    17721   4-FEB-1993 14:40
[BGMS]BGMS83010.DAT;1                                     8971   4-FEB-1993 14:53
[BGMS]BGMS83011.DAT;1                                    21683   4-FEB-1993 14:59
[BGMS]BGMS83012.DAT;1                                    18369   4-FEB-1993 15:15
[BGMS]BGMS83013.DAT;1                                    27573   4-FEB-1993 15:29
[BGMS]BGMS83014.DAT;1                                    15707   5-FEB-1993 10:18
[BGMS]BGMS83015.DAT;1                                    32886   5-FEB-1993 10:30
[BGMS]BGMS83016.DAT;1                                    17536   5-FEB-1993 10:57
[BGMS]BGMS83017.DAT;1                                    26515   5-FEB-1993 11:12
[BGMS]BGMS83018.DAT;1                                    27508   5-FEB-1993 11:32
[BGMS]BGMS83019.DAT;1                                    31253   5-FEB-1993 11:54
[BGMS]DEHIRES_LOAD.PRO;1                                     6  26-JUL-1993 12:51
[BGMS]DEHIRES_README.DOC;3                                   7  15-JUL-1993 14:22
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Total of 28 files, 557200 blocks
End of save set

Save set:	BGMS32.BCK
Written by:	MAGELM
UIC:	[000320,000014]
Date:	18-NOV-1994 12:20:04.06
Command:	BACKUP/RECORD/IGNOR=LABEL DUG1:[BGMS]*.* MUB0:BGMS32.BCK/SAVE
Operating system:	VAX/VMS version V5.4
BACKUP version:	V5.4
CPU ID register:	08000000
Node name:	_MAGSPA::
Written on:	_MAGSPA$MUB0:
Block size:	32768
Buffer count:	3

[BGMS]BGMS83020.DAT;1	33094	5-FEB-1993 23:00
[BGMS]BGMS83021.DAT;1	33028	5-FEB-1993 23:26
[BGMS]BGMS83022.DAT;1	41159	5-FEB-1993 23:52
[BGMS]BGMS83023.DAT;1	28497	6-FEB-1993 00:23
[BGMS]BGMS83024.DAT;1	25540	6-FEB-1993 00:46
[BGMS]BGMS83025.DAT;1	28632	6-FEB-1993 01:05
[BGMS]BGMS83026.DAT;1	27506	6-FEB-1993 01:27
[BGMS]BGMS83027.DAT;1	28502	6-FEB-1993 01:49
[BGMS]BGMS83028.DAT;1	25028	6-FEB-1993 02:10
[BGMS]BGMS83029.DAT;1	27751	6-FEB-1993 02:28
[BGMS]BGMS83030.DAT;1	21694	6-FEB-1993 02:48
[BGMS]BGMS83031.DAT;1	14687	6-FEB-1993 03:03
[BGMS]BGMS83032.DAT;1	18190	6-FEB-1993 03:14
[BGMS]BGMS83033.DAT;1	14894	6-FEB-1993 03:27
[BGMS]BGMS83034.DAT;1	7529	6-FEB-1993 03:37
[BGMS]BGMS83035.DAT;1	10547	6-FEB-1993 03:43
[BGMS]BGMS83036.DAT;1	12630	6-FEB-1993 03:51
[BGMS]BGMS83037.DAT;1	12333	6-FEB-1993 04:00
[BGMS]BGMS83038.DAT;1	14762	6-FEB-1993 04:09
[BGMS]BGMS83039.DAT;1	1677	6-FEB-1993 04:19
[BGMS]BGMS83040.DAT;1	14604	6-FEB-1993 04:21
[BGMS]BGMS83041.DAT;1	20662	6-FEB-1993 04:31
[BGMS]BGMS83042.DAT;1	12199	6-FEB-1993 04:46
[BGMS]BGMS83043.DAT;1	22110	6-FEB-1993 04:55
[BGMS]BGMS83044.DAT;1	9986	6-FEB-1993 05:12
[BGMS]BGMS83045.DAT;1	13662	6-FEB-1993 05:19
[BGMS]BGMS83046.DAT;1	16357	6-FEB-1993 05:29
[BGMS]BGMS83047.DAT;1	5891	6-FEB-1993 05:41
[BGMS]DEHIRES_LOAD.PRO;1	6	26-JUL-1993 12:51
[BGMS]DEHIRES_README.DOC;3	7	15-JUL-1993 14:22
[BGMS]DELOAD_AVE.PRO;22	10	8-APR-1993 13:50

Total of 31 files, 543174 blocks
End of save set