#709

Dynamics Explorer 2
Vector Electric Field Instrument
81-070B-02B
DC High Resolution Electric Field Data (DCHR-DC)
81-070B-02C
DC Average Electric Fields (DCA)
81-070B-02D
DC Average Electric Field Data (DCAN)
81-070B-02E
AC Average Electric Field Data (AC)
81-070B-02F
AC 16 Second Average Electric Fields (AC16SECAVER)

709	81-070B-02B	SPMS-00166
709	81-070B-02C	SPMS-00671
709	81-070B-02D	SPMS-00393
709	81-070B-02E	SPMS-00607
709	81-070B-02F	SPMS-00394

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 This inventory information is now no longer maintained in the DSCs, but is now managed in the inventory part of the NSSDC information system.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

DE-2

VECTOR ELECTRIC FIELD INSTRUMENT

81-070B-02B SPMS-00166

THE MAG-B DATA SET WAS WRITTEN TO OPTMIMEN DISK AND THEN TO DLT CARTRIGDE. DATA WAS THEN COPY TO DVD. THE DIRCETORY LISTINGS HAVE BEEN INCLUDED.

KH#	KV#	DATA SET ID	TIME SPAN
KH000851	KV000013A&B KV000026A&B	81-070B-02B	08/15/81 – 02/18/83 08/14/81 – 11/16/81

Dynamics Explorer 2
Vector Electric Field Instrument

81-070B-02B SPMS-00166
DC High Resolution Electric Field Data (DCHR-DC)

81-070B-02C SPMS-00671
DC Average Electric Fields (DCA)

81-070B-02D SPMS-00393
DC Average Electric Field Data (DCAN)

81-070B-02E SPMS-00607
AC Average Electric Field Data (AC)

81-070B-02F SPMS-00394
AC 16 Second Average Electric Fields (AC16SECAVER)

This data set catalog consists of four optical disks containing five data sets, not all data sets are on each disk. The disk is self documenting. The data set organization and file naming conventions are described thoroughly in the voldesc.sfd file.

The disk number, disk name and main directory, along with the time spans follow:

KV Number	Disk Name		Time Span
81-070B-02C,02D,02E			
KV00010	DEB2_0001A		08/10/81 - 11/30/81
	DEB2_0001B		12/01/81 - 03/31/82
KV00011	DEB2_0002A		04/01/82 - 07/31/82
	DEB2_0002B		08/01/82 - 11/30/82
81-070B-02B,02C,02D,02E,02F			
KV00012	DEB2_0003A		12/01/82 - 02/16/83
	DEB2_0003B	DCHR Data	12/13/81 - 12/27/81
		AC16SECAVER	08/15/81 - 02/16/83
81-070B-02B			
KV00013	DEB2_0004A		08/15/81 - 05/09/82
	DEB2_0004B		05/10/82 - 02/18/83

CDSGYDNM00020CN55D0025SMRK0001
TYPE_OF_FILE_NAME: DCA FILE
FILE_ATTRIBUTES: Variable length, sequential file
RECORD_LENGTH:
A. HEADER_RECORD: 30 bytes
B. DATA_POINT_RECORD: 79 bytes
TYPE_OF_FILE_DESCRIPTION:
This file contains the VEFI DC averaged data (2 points per second). File names are of the form described in the VOLDESC.SFD. The first record contains the orbit number and the values of the contact potential used for the data segment contained in the file. Every record thereafter is a data record containing the date and time of the data in the record, the DC averaged electric field in spacecraft coordinates (as described in the VOLDESC.SFD file), the integrated potential along the X axis and several orbital parameters for that time. The time interval between data points is normally 0.5 seconds but gaps may occurr, using the time tag of every record is recommended.
FORMAT_OF_THE_HEADER_RECORD:

BYTE NUMBER	FIELD CONTENTS	TYPE VI/VR/C	VALUE RANGE	UNITS
2 - 9	Orbit number	ASCII integer	1 - 8577	-
11 - 16	Contact potential Ecx	ASCII real	-8 - 4	Millivolts/meter
18 - 23	Contact potential Ecy	ACSII real	-8 - 4	Millivolts/meter
25 - 30	Contact potential Ecz	ASCII real	-8 - 4	Millivolts/meter

Record format: 1X,I8,3(1X,F6.2)

FORMAT_OF_THE_DATA_POINT_RECORD:

BYTE NUMBER	FIELD CONTENTS	TYPE VI/VR/C	VALUE RANGE	UNITS
2 - 6	Date of the data in the record	ASCII integer	81227 - 83047	Julian Date
8 - 15	Time of the date in the record	ASCII integer	0 - 86400000	Milliseconds
17 - 23	Ex in spacecraft coordinates	ASCII real	-999.99 - 9999.99	Millivolts/meter
25 - 31	Ey in spacecraft coordinates	ASCII real	-999.99 - 9999.99	Millivolts/meter
33 - 39	Integrated potential along the x-axis in spacecraft coordinates	ASCII rea	-999.99 - 9999.99	Kilovolts
41 - 47	Altitude of the satellite above the spheroid	ASCII real	0 - 1300	Kilometers
49 - 55	Geographic latitude	ASCII real	-90 - 90	Degrees
57 - 63	Geographic longitude	ASCII real	-180 - 180	Degrees

65 - 71	Magnetic local time	ASCII real	0	-	24	Hours
73 - 79	Invariant latitude	ASCII real	0	-	84.26	Degrees

Record format: 1X,I5,1X,I8,8(1X,F7.2)

Filled data value for all DA and electric field parameters is 9999.99.

FORMAT_APPLY_SCOPE: This format applies to all the files under the [DCA] sub-
directory.
CCSDYDNM000200NSSD002SEMRK0001

```
Dump of file $1$DUB3:[VEFI.AC16SECAVER]AC16SECAVER.DAT;1 on  5-MAR-1992 13:33:36.5
File ID (15,1,0)   End of file block 53689 / Allocated 53696

Record number 1 (00000001), 112 (0070) bytes

 B[illegible]203759 62F935DB BF9435D6 BF9435D6 C34135D6 791335E0 0200D011 00013D5F _=...¹..
 A29138A6 F61737F2 A8D73610 BF9435D6 BF9435D6 BF9435D6 1E5C389D D057388E .8W¹.8\.
 A5EB424E 35384366 95A53896 AAAD377E DFDA36FA 212F387E F6A0390B 95373902 .97..9.
                                  33334113 04B044B3 4B904315 83DA4373 sC..C.K

Record number 2 (00000002), 112 (0070) bytes

 564A37B2 4BEF361C BF9435D6 BF9435D6 386035D7 F3E035E8 02010E90 00013D5F _=.....
 3BD738D1 E0D7383A 0A6C3680 BF9435D6 BF9435D6 BF9435D6 9A3E38A1 A38638AB µ8.&8).
 609C424F 5262436A 46AA3898 85A13778 DFDA36FA 5C753864 BCC2390B FFB13912 .9..9←Ωd
                                  33334113 909044B1 08004315 CA234377 wC#.C..

Record number 3 (00000003), 112 (0070) bytes

 061A37F2 11AE366B 144435E9 A07D35F9 A63A3629 7B273786 02014D10 00013D5F _=...M...
 DA1638E8 DA27387A 541E36BF 6D733600 B7D835F8 349C35F1 83EB38A0 770438B2 τ8.w.8
 25F64250 6E4B436E 87033895 E7AC3778 702F3718 0E363850 761F3906 95673911 .9g..9.vP
                                  33334113 282044B0 C4704314 1148437C ¦CH..Cp±P
```

DCHR FORMAT

CCSDYDNM000200NSSD0072SMRK0001
TYPE_OF_FILE_NAME: DCHR FILE
FILE_ATTRIBUTES: Fixed length, VAX unformatted, sequential file
RECORD_LENGTH: 12 bytes
TYPE_OF_FILE_DESCRIPTION:
This files contain the VEFI DC high resolution data (16 points per second). Each file contains all the data for one day. File names are of the form VHRyyddd.dat, where yy represents the last two digits of the year and ddd the Julian day. Each VAX unformatted record contains the time for the record in tenths of milliseconds and the X and Y components of the electric field in spacecraft coordinates (as described in the VOLDESC.SFD file)

FORMAT_OF_THE_DATA_POINT_RECORD:

BYTE NUMBER	FIELD CONTENTS	TYPE VI/VR/C	VALUE RANGE	UNITS
1 - 4	Time of the data in the record	Integer	0 - 864000000	Tenths of miliseconds
5 - 8	Ex in spacecraft coordinates	Real*4	-9999999 - 9999999.	Millivolts/met
9 - 12	Ey in spacecraft coordinates	Real*4	-9999999. - 9999999.	Millivolts/met

Filled data value for the electric field components is 999999.9.

FORMAT_APPLY_SCOPE: This format applies to all the files under the [HR] sub-directory.
CCSDYDNM000200NSSD0072EMRK0001

DCA FORMAT.SFD

CCSDYDNM000200NSSD0025SMRK0001
TYPE_OF_FILE_NAME: DCA FILE
FILE_ATTRIBUTES: Variable length, sequential file
RECORD_LENGTH:
A. HEADER_RECORD: 30 bytes
B. DATA_POINT_RECORD: 79 bytes
TYPE_OF_FILE_DESCRIPTION:
This file contains the VEFI DC averaged data (2 points per second). File name are of the form described in the VOLDESC.SFD. The first record contains the orbit number and the values of the contact potential used for the data segmen contained in the file. Every record thereafter is a data record containing t date and time of the data in the record, the DC averaged electric field in spacecraft coordinates (as described in the VOLDESC.SFD file), the integrated potential along the X axis and several orbital parameters for that time. The time interval between data points is normally 0.5 seconds but gaps may occurr, using the time tag of every record is recommended.
FORMAT_OF_THE_HEADER_RECORD:

BYTE NUMBER	FIELD CONTENTS	TYPE VI/VR/C	VALUE RANGE	UNITS
2 - 9	Orbit number	ASCII integer	1 - 8577	-
11 - 16	Contact potential Ecx	ASCII real	-8 - 4	Millivolt
18 - 23	Contact potential Ecy	ACSII real	-8 - 4	Millivolt
25 - 30	Contact potential Ecz	ASCII real	-8 - 4	Millivolt

Record format: 1X,I8,3(1X,F6.2)

FORMAT_OF_THE_DATA_POINT_RECORD:

BYTE NUMBER	FIELD CONTENTS	TYPE VI/VR/C	VALUE RANGE	UNITS
2 - 6	Date of the data in the record	ASCII integer	81227 - 83047	Julian Da
8 - 15	Time of the date in the record	ASCII integer	0 - 86400000	Milliseco
17 - 23	Ex in spacecraft coordinates	ASCII real	-999.99 - 9999.99	Millivolt
25 - 31	Ey in spacecraft coordinates	ASCII real	-999.99 - 9999.99	Millivolt
33 - 39	Integrated potential along the x-axis in spacecraft coordinates	ASCII rea	-999.99 - 9999.99	Kilovolts
41 - 47	Altitude of the satellite above the spheroid	ASCII real	0 - 1300	Kilometer
49 - 55	Geographic latitude	ASCII real	-90 - 90	Degrees
57 - 63	Geographic longitude	ASCII real	-180 - 180	Degrees

65 - 71	Magnetic local time	ASCII real	Ø	-	24	Hours
73 - 79	Invariant latitude	ASCII real	Ø	-	84.26	Degrees

Record format: 1X,I5,1X,I8,8(1X,F7.2)

Filled data value for all OA and electric field parameters is 9999.99.

FORMAT_APPLY_SCOPE: This format applies to all the files under the [DCA] sub-directory.
CCSDYDNMØØØ2ØØNSSDØØ25EMRKØØØ1

AC FORMAT.SFD

CCSDYDNM000200NSSD0024SMRK0001
TYPE_OF_FILE_NAME: AC FILE
FILE_ATTRIBUTES: Variable length, sequential file
RECORD_LENGTH:
A. HEADER_RECORD: 9 bytes
B. DATA_POINT_RECORD: 227 bytes
TYPE_OF_FILE_DESCRIPTION:
This file contains the VEFI spectrometer data. File names are of the form described in the VOLDESC.SFD. The first record contains the orbit number, and every record thereafter is a data record containing the date and time of the data in the record, several orbital parameters for that time and the spectrometer
data for every channel of each of the three spectrometers. The time interval between data points is normally one second although in some cases it could be 0.5 seconds depending on the mode of the spectrometers, data gaps may also occurr, using the time tag of every record is recommended.
FORMAT_OF_THE_HEADER_RECORD:

BYTE NUMBER	FIELD CONTENTS	TYPE VI/VR/C	VALUE RANGE	UNITS
2 - 9	Orbit number	ASCII integer	1 - 8577	-

Record format: 1X,I8

FORMAT_OF_THE_DATA_POINT_RECORD:

BYTE NUMBER	FIELD CONTENTS	TYPE VI/VR/C	VALUE RANGE	UNITS
2 - 6	Date of the data in the record	ASCII integer	81227 - 83047	Julian Date
8 - 15	Time of the data in the record	ASCII integer	0 - 86400000	Milliseconds
17 - 23	Altitude of the satellite above the spheroid	ASCII real	0 - 1300	Kilometer
25 - 31	Geographic latitude	ASCII real	-90 - 90	Degrees
33 - 39	Geographic longitude	ASCII real	-180 - 180	Degrees
41 - 47	Magnetic local time	ASCII real	0 - 24	Hours
49 - 55	Invariant latitude	ASCII real	0 - 84.26	Degrees
57	Antenna spectrometer A is connected to	C	X,Y,Z	-
59	Antenna spectrometer B is connected to	C	X,Y,Z	-
61	Antenna spectrometer C is connected to	C	X,Y,Z	-
63	Spectrometer A gain	C	H,L	-

65	Spectrometer B gain	C	H,L	-
67	Spectrometer C gain	C	H,L	-
69 - 75	AC electric field values for channel 1 of spectrometer A	ASCII real	Ø - 9999.99 Microvolts/meter	
77 - 83	AC electric field values for channel 2 of spectrometer A	ASCII real	Ø - 9999.99 Microvolts/meter	
85 - 91	AC electric field values for channel 3 of spectrometer A	ASCII real	Ø - 9999.99 Microvolts/meter	
93 - 99	AC electric field values for channel 4 of spectrometer A	ASCII real	Ø - 9999.99 Microvolts/meter	
1Ø1-1Ø7	AC electric field values for channel 5 of spectrometer A	ASCII real	Ø - 9999.99 Microvolts/meter	
1Ø9-115	AC electric field values for channel 6 of spectrometer A	ASCII real	Ø - 9999.99 Microvolts/meter	
117-123	AC electric field values for channel 7 of spectrometer A	ASCII real	Ø - 9999.99 Microvolts/meter	
125-131	AC electric field values for channel 8 of spectrometer A	ASCII real	Ø - 9999.99 Microvolts/meter	
133-139	AC electric field values for channel 1 of spectrometer B	ASCII real	Ø - 9999.99 Microvolts/meter	
141-147	AC electric field values for channel 2 of spectrometer B	ASCII real	Ø - 9999.99 Microvolts/meter	
149-155	AC electric field values for channel 3 of spectrometer B	ASCII real	Ø - 9999.99 Microvolts/meter	

157-163 AC electric field ASCII real Ø - 9999.99
Microvolts/meter
values for channel 4
of spectrometer B

165-171 AC electric field ASCII real Ø - 9999.99
Microvolts/meter
values for channel 5
of spectrometer B

173-179 AC electric field ASCII real Ø - 9999.99
Microvolts/meter
values for channel 6
of spectrometer B

181-187 AC electric field ASCII real Ø - 9999.99
Microvolts/meter
values for channel 7
of spectrometer B

189-195 AC electric field ASCII real Ø - 9999.99
Microvolts/meter
values for channel 8
of spectrometer B

197-2Ø3 AC electric field ASCII real Ø - 9999.99
Microvolts/meter
values for channel 1
of spectrometer C

2Ø5-211 AC electric field ASCII real Ø - 9999.99
Microvolts/meter
values for channel 2
of spectrometer C

213-219 AC electric field ASCII real Ø - 9999.99
Microvolts/meter
values for channel 3
of spectrometer C

221-227 AC electric field ASCII real Ø - 9999.99
Microvolts/meter
values for channel 4
of spectrometer C

Record format: 1X,I5,1X,I8,5(1X,F7.2),6(1X,A1),2Ø(1X,F7.2)

Filled data value for all electric field and OA parameters is 9999.99.

The gain of the spectrometers is given just for reference, the AC electric field
values have already been reduced to common units for both high and low gains.

FORMAT_APPLY_SCOPE: This format applies to all the files under the [AC] sub-directory.
CCSDYDNMØØØ2ØØNSSDØØ24EMRKØØØ1

16 SEC AVER.

CCSDYDNM000200NSSD0026SMRK0001
TYPE_OF_FILE_NAME: VEFI AC 16 second averaged data file.
FILE_ATTRIBUTES: Variable length, unformatted, sequential file
RECORD_LENGTH: 28 words
TYPE_OF_FILE_DESCRIPTION:
This file contains the VEFI AC 16 second averaged data (VEFI ionospheric irregularities data base). This data set is the result of a study on statistical presentations of the VEFI AC data. The data included in this data set was all the VEFI AC data for which microfiche was available at the time the study was conducted (approximately half of all VEFI AC data possible); Microfiche browsing was necessary to assure that all data included in the study were good data. The data were averaged at 16 second intervals using the begining of the day as reference and put in a single file. Every record in this file contains: Date and time of the data in the record (which is the middle time of the 16 second period used in the average), the 16 second averaged data for each channel of each of the three spectrometers, and invariant latitude, magnetic local time, geographic longitude and latitude, altitude, and Kp for the middle time of the 16 second average.

FORMAT_OF_THE_DATA_POINT_RECORD:

WORD NUMBER	FIELD CONTENTS	TYPE VI/VR/	VALUE RANGE	UNITS
1	Date of the data in the record	Integer	81227 - 83047	Julian Dat
2	Time of the data in the record	Integer	0 - 86400000	Millisecon
3	AC electric field values for channel 1 of spectrometer A	Real	0 - 9999999.0	Microvolts
4	AC electric field values for channel 2 of spectrometer A	Real	0 - 9999999.0	Microvolts
5	AC electric field values for channel 3 of spectrometer A	Real	0 - 9999999.0	Microvolts
6	AC electric field values for channel 4 of spectrometer A	Real	0 - 9999999.0	Microvolts
7	AC electric field values for channel 5 of spectrometer A	Real	0 - 9999999.0	Microvolts
8	AC electric field values for channel 6 of spectrometer A	Real	0 - 9999999.0	Microvolts
9	AC electric field values for channel 7 of spectrometer A	Real	0 - 9999999.0	Microvolts
10	AC electric field	Real	0 - 9999999.0	Microvolts

	values for channel 8 of spectrometer A			
11	AC electric field values for channel 1 of spectrometer B	Real	Ø - 9999999.Ø	Microvolts
12	AC electric field values for channel 2 of spectrometer B	Real	Ø - 9999999.Ø	Microvolts
13	AC electric field values for channel 3 of spectrometer B	Real	Ø - 9999999.Ø	Microvolts
14	AC electric field values for channel 4 of spectrometer B	Real	Ø - 9999999.Ø	Microvolts
15	AC electric field values for channel 5 of spectrometer B	Real	Ø - 9999999.Ø	Microvolts
16	AC electric field values for channel 6 of spectrometer B	Real	Ø - 9999999.Ø	Microvolts
17	AC electric field values for channel 7 of spectrometer B	Real	Ø - 9999999.Ø	Microvolts
18	AC electric field values for channel 8 of spectrometer A	Real	Ø - 9999999.Ø	Microvolts
19	AC electric field values for channel 1 of spectrometer C	Real	Ø - 9999999.Ø	Microvolts
2Ø	AC electric field values for channel 2 of spectrometer C	Real	Ø - 9999999.Ø	Microvolts
21	AC electric field values for channel 3 of spectrometer C	Real	Ø - 9999999.Ø	Microvolts
22	AC electric field values for channel 4 of spectrometer C	Real	Ø - 9999999.Ø	Microvolts
23	Invariant Latitude	Real	Ø - 84.26	Degrees
24	Magnetic Local Time	Real	Ø - 24	Hours
25	Geographic Longitude	Real	-18Ø - 18Ø	Degrees
26	Geographic Latitude	Real	-9Ø - 9Ø	Degrees
27	Altitude of the	Real	Ø - 13ØØ	Kilometer

	satellite above the spheroid			
28	Kp	Real	Ø - 7	-

Filled data value for all electric field and OA parameters is 9999999.Ø

FORMAT_APPLY_SCOPE: This format applies to the AC16SECAVER.DAT file under the [AC16SECAVER] subdirectory only.

CCSDYDNMØØØ2ØØNSSDØØ26EMRKØØØ1

DEB2-0004B

```
Directory $1$DUB3:[000000]

000000.DIR;1                          1/8        1-MAY-1992 13:25:40.50
BACKUP.SYS;1                          0/0        1-MAY-1992 13:25:40.50
BADBLK.SYS;1                          8/40       1-MAY-1992 13:25:40.50
BADLOG.SYS;1                          1/8        1-MAY-1992 13:25:40.50
BITMAP.SYS;1                         63/64       1-MAY-1992 13:25:40.50
CONFIG.SYS;1                          1/8        1-MAY-1992 13:25:45.42
CONTIN.SYS;1                          0/0        1-MAY-1992 13:25:40.50
CORIMG.SYS;1                          0/0        1-MAY-1992 13:25:40.50
INDEXF.SYS;1                        824/824      1-MAY-1992 13:25:40.50
JUNK.DIR;1                            1/16       1-MAY-1992 13:25:45.09
OSECURE.SYS;1                         0/8        1-MAY-1992 13:27:05.61
OTRANSFER.SYS;1                       0/1176    11-MAY-1992 16:09:05.93
VEFI.DIR;1                            1/8        1-MAY-1992 13:25:44.02
VOLSET.SYS;1                          0/0        1-MAY-1992 13:25:40.50

Total of 14 files, 900/2160 blocks.

Directory $1$DUB3:[JUNK]

A.A;1                                 1/8       28-APR-1992 08:35:20.02

Total of 1 file, 1/8 blocks.

Directory $1$DUB3:[VEFI]

AC16SECAVERFORMAT.SFDU;1             11/16      14-NOV-1990 13:58:42.10
ACFORMAT.SFDU;1                      12/16      14-NOV-1990 13:58:03.38
DCAFORMAT.SFDU;1                      7/8       14-NOV-1990 13:58:22.96
DCHRFORMAT.SFDU;2                     3/8       21-JAN-1992 18:58:09.74
HR.DIR;1                             20/128      1-MAY-1992 13:25:44.67
SPARE.DIR;1                           1/24       1-MAY-1992 13:25:44.87
VOLDESC.SFDU;1                      898/904     21-JAN-1992 18:27:37.57

Total of 7 files, 952/1104 blocks.

Directory $1$DUB3:[VEFI.HR]

VHR81344.DAT;1                   10605/10608    30-MAY-1991 10:44:54.00
VHR82130.DAT;1                    5457/5464      6-JUN-1991 10:17:31.24
VHR82131.DAT;1                    7743/7744      6-JUN-1991 10:18:51.81
VHR82132.DAT;1                    7344/7344      6-JUN-1991 10:20:46.29
VHR82133.DAT;1                    5328/5328      6-JUN-1991 10:22:33.89
VHR82134.DAT;1                    7872/7872      6-JUN-1991 10:23:53.00
VHR82135.DAT;1                    9039/9040      6-JUN-1991 10:25:48.53
VHR82136.DAT;1                    8196/8200      8-JUN-1991 09:15:43.65
VHR82137.DAT;1                    8109/8112      8-JUN-1991 09:17:43.53
VHR82138.DAT;1                   10383/10384     8-JUN-1991 09:19:43.80
VHR82139.DAT;1                    7935/7936      8-JUN-1991 09:22:15.92
VHR82140.DAT;1                    8211/8216      8-JUN-1991 09:24:12.08
VHR82141.DAT;1                   10512/10512     8-JUN-1991 09:26:11.83
VHR82142.DAT;1                    7890/7896      8-JUN-1991 09:28:45.58
VHR82143.DAT;1                    8577/8584      8-JUN-1991 09:30:40.68
VHR82144.DAT;1                    8061/8064      8-JUN-1991 09:32:46.13
VHR82145.DAT;1                    9330/9336      8-JUN-1991 09:34:43.68
VHR82146.DAT;1                   11316/11320     8-JUN-1991 09:36:59.93
VHR82147.DAT;1                    8169/8176      8-JUN-1991 09:39:44.93
VHR82148.DAT;1                    9060/9064      8-JUN-1991 09:41:44.39
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VHR83018.DAT;1                  6933/6936    19-JUN-1991 13:43:56.07
VHR83019.DAT;1                  7800/7800    19-JUN-1991 14:37:19.30
VHR83020.DAT;1                  6888/6888    23-JAN-1991 16:54:50.63
VHR83021.DAT;1                  7803/7808    23-JAN-1991 16:56:32.79
VHR83022.DAT;1                  8382/8384    23-JAN-1991 16:58:28.12
VHR83023.DAT;1                  5769/5776    23-JAN-1991 17:00:32.18
VHR83024.DAT;1                  6333/6336    23-JAN-1991 17:01:58.05
VHR83025.DAT;1                  6957/6960    23-JAN-1991 17:03:32.23
VHR83026.DAT;1                  5832/5832    23-JAN-1991 17:05:15.60
VHR83027.DAT;1                  6057/6064    23-JAN-1991 17:06:42.27
VHR83028.DAT;1                  5502/5504    23-JAN-1991 17:08:13.23
VHR83029.DAT;1                  5355/5360    23-JAN-1991 17:09:35.63
VHR83030.DAT;1                  5445/5448    23-JAN-1991 17:10:55.92
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VHR83034.DAT;1                  3861/3864    23-JAN-1991 17:16:16.61
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VHR83036.DAT;1                  3702/3704    23-JAN-1991 17:18:12.29
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VHR83038.DAT;1                  3501/3504    23-JAN-1991 17:20:23.67
VHR83039.DAT;1                  2802/2808    23-JAN-1991 17:21:17.50
VHR83040.DAT;1                  3468/3472    23-JAN-1991 17:22:01.00
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VHR83042.DAT;1                  4443/4448    23-JAN-1991 17:24:17.00
VHR83043.DAT;1                  4839/4840    23-JAN-1991 17:25:24.62
VHR83044.DAT;1                  2124/2128    23-JAN-1991 17:26:37.76
VHR83045.DAT;1                  4653/4656    23-JAN-1991 17:27:11.24
VHR83046.DAT;1                  4602/4608    23-JAN-1991 17:30:25.68
VHR83047.DAT;1                  4044/4048    23-JAN-1991 17:31:36.03
VHR83048.DAT;1                  3981/3984    23-JAN-1991 17:32:37.60
VHR83049.DAT;1                  2922/2928    26-JAN-1991 14:40:51.47

Total of 292 files, 1952226/1979736 blocks.

Grand total of 4 directories, 314 files, 1954079/1983008 blocks.
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