

DATA SET CATALOG #183

Pioneer 8, 30-sec VR Mag Field Avgs

67-123A-01B 3 tapes

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 This inventory information is now no longer maintained in the DSCs, but is now managed in the inventory part of the NSSDC information system.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

30-SEC VR MAG FIELD AVGS ON TAPE

67-123A-01B

This data set has been restored. There were originally three 7-track, 800 BPI tapes written in Binary. There is one restored tape. The DR tape is a 3480 cartridge and the DS tape is 9-track, 6250 BPI. The original tapes were created on a 7094 computer and the restored tapes were created on an IBM 9021 computer. The DR and DS numbers along with the corresponding D numbers are as follows:

DR#	DS#	D#	FILES	TIME SPAN
-----	-----	-----	-----	-----
DR004920	DS004920	D008552	1 - 128	12/13/67 - 04/22/68 (a)
		D010183	129 - 260	04/22/68 - 08/31/68 (b)
		D010694	261 - 345	09/01/68 - 12/03/68

(a) D008552: Read errors occurred in records 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 of file 1.

(b) D010183: Read error occurred in record 15 of file 45.

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PIONEER 8

30-SEC VR MAG FIELD AVGS

TAB

1	Data Set Catalog Brief Description <i>2, Format</i>
2	Letter to Experimenter
3	End of File Parity Checks
4	Dumps
5	Sample Output from Print Program
6	Experimenter's Supplied Sample Output

67-123A-01B

PIONEER 8

This data set consists of **3**, 7 track, 800 BPI, multi-file,
binary magnetic tapes made on IBM/7094.

<u>D#</u>	<u>C#</u>	<u>START</u> (Jan 1, 1967 =Day 1)	<u>STOP</u>	<u>#FILES</u>
D-08552	C-07690	December 13, 1967	April 22, 1968	128
D-10183	C-07701	April 22, 1968	Aug. 31, 1968	132
D-10694	C-08204	Sept 1, 1968	Dec. 3, 1968	85

PIONEER 8

30-SEC. VR MAG FLD. AVGS.

69-123A-01B

FORMAT

<u>WORD</u>	<u>DESCRIPTION</u>	<u>FORMAT</u>
1	Spacecraft Number	I6
2	Pass Number	I6
3	File Number	I6
4	Year	I6
5	Day	I6
6	Hour	I6
7, 13,...721 A (see below)		I12
8, 14,...722 B (see below)		I12
9, 15,...723 C (see below)		I12
10, 16,...724 D (see below)		I12
11, 17,...725 E (see below)		I12
12, 18,...726 F (see below)		I12

The 12 digit^{decimal} integers A thru F are expanded to yield physically meaningful words as follows (with the convention that $A/10^n$, $B/10^n$, etc are themselves integers, the digits to the right of the decimal points having been zeroed out).

A: XSE (30-Sec Averaged Solar Ecliptic Mag Field X Comp. in gammas) =

$$([A/10^6]-500)/10$$

XXSE (30-Sec Avg of squares of Mag Field XComp., Sol. Ecliptic Coord.) =

$$(A-[A/10^6]10^6)/100$$

B: Same as 'A', but for YSE & YYSE.

C: Same as 'A', but for ZSE & ZZSE.

D: FAVM (30 Sec. Average of individual Field Magnitudes, in gammas) =

$$(D/10^6)/10$$

XYSE (30-Sec. Average of $B_x B_y$) = $(D-[D/10^6]10^6-250000)/100$

E: ICNT (No. of data points in each average) = $(E/10^8)$

ASST (Quality Flag) See table 1.

DISC (Discontinuity Flag) See table 1.

XZSE (30-Sec. Average of $B_x B_z$) = $(E - [E/10^6]10^6 - 250000)/100$

F: ^{SC}~~MN~~ (Start Time ^{Seconds}~~Minutes~~) = $(F/10^8)$

^{MN}~~SC~~ (Start Time ^{Minutes}~~Seconds~~) = $(F - [F/10^8]10^8)/10^6$

YZSE (30-Sec. Average of $B_y B_z$) = $(F - [F/10^6]10^6 - 250000)/100$

TABLE 1

The values of ASTT and DISC are determined by using the following equation:

$$(E - [E/10^8]10^8)/10^6 = n$$

- If n = 01, then ASTT = 0 & DISC = blank
- If n = 02, then ASTT = * & DISC = blank
- If n = 03, then ASTT = \$ & DISC = blank
- If n = 04, then ASTT = blank & DISC = blank
- If n = 05, then ASTT = 0 & DISC = 0
- If n = 06, then ASTT = * & DISC = 0
- If n = 07, then ASTT = \$ & DISC = 0
- If n = 08, then ASTT = blank & DISC = 0
- If n = 09, then ASTT = 0 & DISC = D
- If n = 10, then ASTT = * & DISC = D
- If n = 11, then ASTT = \$ & DISC = D
- If n = 12, then ASTT = blank & DISC = D
- If n = 13, then ASTT = \$ & DISC = D
- If n = 14, then ASTT = \$ & DISC = D

A complete description of the magnetic experiment on board Pioneer 8 is given by Searce et al. (1968). Further informations, in particular about the trajectory, are given by Mariani et al. (1971).

The data analysis, performed by a UNIVAC 1108 system, yields 30 and 10 second averages of the field elements. Also hourly averages are routinely obtained (Mariani et al., 1971).

Data tapes sent to World Data Center contain only 30 second averages (odd parity, 800 bpi). The tape contains separate files, each corresponding in general to one pass of the experimental raw data tapes, i.e. to approximately one day.

Each record (the block length is 726 words) contains in general the data for a time interval of one hour. However in some cases, for example when there is a Mode, or Bit-rate, or Format change, that information is broken into two or more records and gaps are filled with zeros. In each record the data are in a packed form and one must unpack them to obtain individual magnetic field data. A list of the unpacking program is given in the annex A, with an example of data printout. The meaning of each variable is now given. (Reference must be made to the printout of the annex A).

The first six numbers are respectively, the spacecraft distinctive number, the pass and the file (that on the original data tapes) numbers, the year, the day and the initial time of each hourly record. For each 30 second average 15 quantities are given.

IARRAY (1,J) and IARRAY (2,J) (the index J, running from 1 to 120, identifies individual averages) are respectively the starting minute and second of the interval over which the average is computed.

IARRAY (3,J) is the number of individual data points in each average.

RAY (1,J) is a quality flag: if it is blank, the data is good; if it is = $\times$, the data is calibrated; if it is = * , the data is bad. In general, calibrated data are good, except, possibly, at the beginning and at the end of the calibration period.

RAY (2,J), RAY (3,J), RAY (4,J) are respectively the mean values of the B_X , B_Y and B_Z component of the magnetic field. The frame of reference has the X-Y plane parallel to the ecliptic; the X axis is toward the Sun and the Y axis direction is opposite to the Earth's motion, the Z axis perpendicular to the ecliptic and toward the North pole.

RAY (5,J) is the mean value of the individual field magnitudes

RAY (6,J), RAY (7,J), RAY (8,J) are the averages of X^2 , Y^2 and Z^2 respectively. The variance along the x axis is then given by $\sqrt{RAY (6,J) - RAY (2,J)^2}$; similar relations hold for the other components.

RAY (9, J), RAY (10,J), RAY (11,J) are the averages of the products $B_X B_Y$, $B_X B_Z$ and $B_Y B_Z$. These quantities are needed if the variances in different frames of reference are to be computed.

RAY (12,J) is a discontinuity flag: if it is = D, there is a change in at least one individual component greater than 5%.

The list of files on data tape is printed in the annex B. For each record six numbers are printed: year, day and hour of the record, pass number, record length and the last word of the record (only for a check). For example, if one wants the data from 14h to 15h of the day 348, one must skip the first file and then skip the first record of the second file. In general each file corresponds to one pass of the original data tapes, but some passes are missing.

SOLAR
ECLIPTIC
COORDS

REFERENCES

- Mariani F., N.F. Ness and B. Bavassano, Magnetic field measurements by Pioneer 8 : I. Hourly averages of the field elements from December 23, 1967 to December 7, 1968 (Bartels' Solar Rotation 1839 to 1851), Report LPS-71-22 Laboratorio Plasma nello Spazio, CNR (July 1971), Roma .
- Scearce C., C. Ehrman, S. Cantarano and N.F. Ness , Magnetic field experiment : Pioneer 6, 7 and 8, NASA-GSFC preprint X-616-68-370 (1968).

UNITED STATES GOVERNMENT

Memorandum

TO : 67-123-A-01B

DATE: 2 June 1972

FROM : J. King

SUBJECT: Data Submission

On April 21, 1972, while he was in town for the AGU meeting, Dr. Franco Mariani brought to NSSDC the first of about six tapes containing 30 sec averaged Pioneer 8 magnetic field data. With the tape he brought a listing of data for one hour (one blocked physical record) generated using the program NTRAN, an NTRAN card deck, and an index (computer printout) of the contents of the tape. The index points to the file and physical record in which data for any specified time is to be found. He did not supply detailed format information, but was principally concerned with whether we could use NTRAN on his UNIVAC 1108 binary tapes. He indicated he would send a detailed writeup, including format information, in the near future.

As of June 2, 1972, we had successfully used a slightly modified version of NTRAN on our 7094 to generate a data listing from the 1108 tape, which listing was identical to that supplied by Mariani.

I am writing to Mariani today to inform him of this.

CONSIGLIO NAZIONALE DELLE RICERCHE
LABORATORIO DI RICERCA E TECNOLOGIA
PER LO STUDIO DEL PLASMA NELLO SPAZIO

ISTITUTO DI FISICA "G. MARCONI"
P.le delle Scienze, 5 - 00185 ROMA

Roma, September 18, 1972
Tel. 49.51.971-2-3-4

Our ref.3748
BB/ca/G.13

67-123A-01B

Dr. Joseph H. King
Data Acquisition and Analysis Branch
National Space Science Data Center
Code 601
NASA - Goddard Space Flight Center
Greenbelt, Maryland 20771 U.S.A.

Dear Dr. King:

We are sending you the third of the Pioneer 8 data
tapes. Separately you will receive the information about
the tape content.

Sincerely yours,



(B. Bavassano)

/ca

0001 000000000010 000000000203 000000000001 000000000360 000000000180 000000000010 003641100233 003625534624
0049 00367123505 000072131309 016735466640 000000750234 003641100232 003616032376 003567123507 000072131254
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2833 017533047152 027303362374 003635237067 003602467022 003547717116 000056565667 020330427562 000225564104
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C-7701

1st 5
records

FILE 0001 REC 0001 CH 4356

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3025	003635237066	003557421303	003572764611	000052724506	017533047242	026521345317	003635237067	003616032366
3073	003544056021	000066270134	020330427552	000241127367	003631375746	003612171252	003547717120	000062427014
3121	016735466556	026525206373	003631375741	003616032361	003547717115	000062427022	020330427564	000244770474
3169	003625534632	003616032357	003553560212	000056565712	017533047173	026531047500	003616032373	003616032362
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3265	017533047161	027332271174	003625534622	003606330137	003553560213	000052724577	020330427575	000254472703
3313	003631375743	003576625715	003547717113	000052724560	020330427567	026540551707	003625534631	003576625714
3361	003547717116	000047063455	017533047162	001055714405	003625534627	003576625715	003544056021	000052724555
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3649	003553560206	000052724542	016735466576	001075121015	003631375737	003572764607	003553560205	000047063443
3697	020330427577	026563617414	003631375750	003572764607	003553560211	000052724543	017533047167	000303401512
3745	003625534626	003567123504	003553560207	000047063435	017533047201	026567460514	003631375746	003567123505
3793	003547717114	000052724530	020330427564	000307242617	003563262400	003563262400	003563262400	000000750220
3841	000024015720	000000750220	003563262400	003563262400	003563262400	000000750220	000000750220	000000750220
3889	003563262400	003563262400	003563262400	000000750220	003563262400	003563262400	003563262400	000000750220
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4081	003563262400	000000750220	000024015720	000000750220	003563262400	000000750220	000024015720	000000750220
4129	000024015720	000000750220	003563262400	000000750220	000024015720	000000750220	003563262400	003563262400
4177	003563262400	003563262400	000000750220	000024015720	000000750220	003563262400	003563262400	000000750220
4225	003563262400	000000750220	000024015720	000000750220	003563262400	003563262400	003563262400	000000750220
4273	000024015720	000000750220	003563262400	003563262400	003563262400	000000750220	000024015720	000000750220
4321	003563262400	003563262400	003563262400	000000750220	000024015720	000000750220	000000750220	000000750220

FILE 0001 REC 0002 CH 4356

0001	000000000010	000000000203	000000000001	000000003660	000000000160	000000000010	003521010431	003563262403
0049	003563262406	000047063423	012354623621	033751545217	003521010432	003557421304	003567123505	000047063432
0097	015342525605	001110464317	003621673500	003557421303	003576625714	000043222307	013747564645	030767504314
0145	003625534620	003563262405	003576625722	00047063414	015342525655	001114325417	003621673513	003557421304
0193	003567123507	000043222306	013747564631	030175765017	003621673504	003557421304	003563262402	000037361213
0241	015342525621	000322606121	003621673500	003557421305	003557421304	000037361206	013747564606	030201626123
0289	003616032373	003553560210	003572764607	000037361200	015342525634	000326447214	003621673512	003557421304
0337	003567123504	000043222310	015342525626	027410106620	003621673507	003547717116	003576625716	000047063372
0385	013747564647	002522631712	003621673510	003557421306	003563262406	000043222307	015342525621	027413747720
0433	003616032366	003547717112	003563262405	000037361176	013747564623	001731112420	003616032365	003553560212
0481	003563262404	000037361176	015342525614	026622230423	003616032370	003553560212	003567123507	000037361176
0529	013747564627	001734753520	003621673476	003547717114	003567123505	000043222272	015342525633	026626071514
0577	003563262400	003563262400	003563262400	000000750220	000024015720	000000750220	003563262400	003563262400
0625	003563262400	000000750220	000024015720	000000750220	003563262400	003563262400	003563262400	000000750220
0673	000024015720	000000750220	003563262400	003563262400	003563262400	000000750220	000024015720	000000750220
0721	003563262400	003563262400	003563262400	000000750220	000024015720	000000750220	003563262400	003563262400
0769	003563262400	000000750220	000024015720	000000750220	003563262400	000000750220	000024015720	000000750220
0817	000024015720	000000750220	003563262400	000000750220	000024015720	000000750220	003563262400	003563262400
0865	003563262400	003563262400	003563262400	000000750220	003563262400	003563262400	003563262400	000000750220
0913	003563262400	000000750220	000024015720	000000750220	003563262400	000000750220	000024015720	000000750220
0961	000024015720	000000750220	003563262400	003563262400	003563262400	000000750220	003563262400	003563262400
1009	003563262400	003563262400	003563262400	000000750220	000024015720	000000750220	003563262400	000000750220
1057	003563262400	000000750220	000024015720	000000750220	003563262400	000000750220	000024015720	000000750220
1105	000024015720	000000750220	003563262400	003563262400	003563262400	000000750220	003563262400	003563262400
1153	003563262400	003563262400	003563262400	000000750220	000024015720	000000750220	003563262400	000000750220
1201	003563262400	000000750220	000024015720	000000750220	003563262400	000000750220	000024015720	000000750220
1249	000024015720	000000750220	003563262400	003563262400	003563262400	000000750220	003563262400	003563262400
1297	003563262400	003563262400	003563262400	000000750220	000024015720	000000750220	003563262400	000000750220
1345	003563262400	000000750220	000024015720	000000750220	003563262400	003563262400	000024015720	000000750220
1393	000024015720	000000750220	003563262400	003563262400	003563262400	000000750220	000024015720	000000750220
1441	003563262400	003563262400	003563262400	000000750220	000024015720	000000750220	003563262400	003563262400
1489	003563262400	000000750220	000024015720	000000750220	003563262400	003563262400	003563262400	000000750220

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1968 112 15 131 726 250000 1968 112 15 131 726 250000 1968 112 16 131 726 3159250258 1968 112 17 131 726 3059250408
1968 112 18 131 726 3059250669 1968 112 19 131 726 3059250412 1968 112 20 131 726 3059250292 1968 112 22 131 726 250000
1968 112 23 131 726 3059251193 1968 113 0 131 726 250000 1968 113 1 131 726 3159250475 1968 113 2 131 726 3059250100
1968 113 3 131 726 3159250532 1968 113 4 131 726 3059250215 1968 113 5 131 726 3059250451 1968 113 6 131 726 3059251041
1968 113 7 131 726 3159249318
***** FILE 2 *****
1968 113 8 132 726 250000 1968 113 8 132 726 250000 1968 113 9 132 726 3059249440 1968 113 10 132 726 3259249152
1968 113 11 132 726 3059250685 1968 113 12 132 726 3159249013 1968 113 13 132 726 3359249685 1968 113 14 132 726 250000
1968 113 14 132 726 250000 1968 113 14 132 726 250000 1968 113 15 132 726 3059248856 1968 113 16 132 726 3159249368
1968 113 17 132 726 3059249794 1968 113 18 132 726 3159249379 1968 113 19 132 726 3059249796 1968 113 20 132 726 3059250308
1968 113 21 132 726 3159249641 1968 113 22 132 726 3059249656 1968 113 23 132 726 3059250126 1968 114 0 132 726 3059249975
1968 114 1 132 726 3159249982 1968 114 6 132 726 250000 1968 114 6 132 726 250000 1968 114 7 132 726 250000
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1968 114 8 133 726 3359250085 1968 114 9 133 726 3159250508 1968 114 10 133 726 3259249370 1968 114 11 133 726 3059249998
1968 114 12 133 726 3259248977 1968 114 13 133 726 3059250208 1968 114 14 133 726 250000 1968 114 15 133 726 250000
1968 114 15 133 726 250000 1968 114 16 133 726 3059249928 1968 114 17 133 726 3059250052 1968 114 18 133 726 3159250115
1968 114 19 133 726 3059250356 1968 114 20 133 726 3059249901 1968 114 21 133 726 3159249896 1968 114 22 133 726 3059249449
1968 114 23 133 726 3159249808 1968 115 0 133 726 3059250435 1968 115 1 133 726 250000 1968 115 2 133 726 3059250005
1968 115 3 133 726 3059250034 1968 115 4 133 726 3059249818 1968 115 5 133 726 3059250678 1968 115 6 133 726 250000
1968 115 6 133 726 250000 1968 115 7 133 726 3159249223
***** FILE 4 *****
1968 115 8 134 726 3159249717 1968 115 9 134 726 3359249692 1968 115 10 134 726 3159249414 1968 115 11 134 726 3259250006
1968 115 12 134 726 3059249356 1968 115 13 134 726 3259250200 1968 115 15 134 726 3059250238 1968 115 16 134 726 3159249020
1968 115 17 134 726 3059249434 1968 115 18 134 726 3159249812 1968 115 19 134 726 3059249311 1968 115 20 134 726 3059249998
1968 115 21 134 726 3159249962 1968 115 22 134 726 250000 1968 115 23 134 726 3159249996 1968 116 0 134 726 3059249963
1968 116 1 134 726 250000 1968 116 2 134 726 3059250033 1968 116 3 134 726 3059250117 1968 116 4 134 726 3059250069
1968 116 5 134 726 250000 1968 116 5 134 726 250000 1968 116 6 134 726 3359249538 1968 116 7 134 726 3159250068
***** FILE 5 *****
1968 116 8 135 726 3259249979 1968 116 9 135 726 250000 1968 116 10 135 726 3259250031 1968 116 11 135 726 3059249944
1968 116 12 135 726 3159249985 1968 116 13 135 726 3359250126 1968 116 15 135 726 3059249848 1968 116 16 135 726 3159249934
1968 116 17 135 726 3059250442 1968 116 18 135 726 3159250266 1968 116 19 135 726 3059250271 1968 116 20 135 726 250000
1968 116 21 135 726 3159250044 1968 116 22 135 726 250000 1968 116 23 135 726 3059248526 1968 117 0 135 726 3159250800
1968 117 1 135 726 3059249808 1968 117 2 135 726 3059247966 1968 117 3 135 726 250000 1968 117 3 135 726 250000
1968 117 4 135 726 250000 1968 117 4 135 726 250000 1968 117 5 135 726 3059251818 1968 117 6 135 726 3159249563
1968 117 7 135 726 3059252500
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1968 117 8 136 726 250000 1968 117 8 136 726 250000 1968 117 9 136 726 250000 1968 117 10 136 726 3359252357
1968 117 11 136 726 3159245256 1968 117 12 136 726 3259253609 1968 117 13 136 726 3059245483 1968 117 14 136 726 250000
1968 117 15 136 726 250000 1968 117 15 136 726 250000 1968 117 16 136 726 3159251463 1968 117 17 136 726 3259247056
1968 117 18 136 726 3059249946 1968 117 19 136 726 3259249066 1968 117 20 136 726 3059249674 1968 117 21 136 726 3259248623
1968 117 22 136 726 3059249825 1968 117 23 136 726 3159249243 1968 118 0 136 726 250000 1968 118 0 136 726 250000
1968 118 1 136 726 250000 1968 118 1 136 726 250000 1968 118 2 136 726 3059250494 1968 118 3 136 726 3259250134
1968 118 4 136 726 250000 1968 118 4 136 726 250000 1968 118 5 136 726 250000 1968 118 5 136 726 250000
1968 118 6 136 726 3359249532 1968 118 7 136 726 3159249375
***** FILE 7 *****
1968 118 8 137 726 3259249442 1968 118 9 137 726 250000 1968 118 10 137 726 3259248961 1968 118 11 137 726 3059250735
1968 118 12 137 726 3259250694 1968 118 13 137 726 3059249810 1968 118 14 137 726 250000 1968 118 14 137 726 250000
1968 118 14 137 726 250000 1968 118 15 137 726 3159249702 1968 118 16 137 726 3059249964 1968 118 17 137 726 3159249903
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1968 135 10	154 726 3359250340	1968 135 11	154 726 3159250244	1968 135 12	154 726 3259250015	1968 135 13	154 726 3359250261
1968 135 14	154 726 250000	1968 135 15	154 726 3059250066	1968 135 16	154 726 3259249931	1968 135 17	154 726 3359250002
1968 135 18	154 726 3159249518	1968 135 19	154 726 3259249961	1968 135 20	154 726 3159250198	1968 135 21	154 726 3259249931
1968 135 22	154 726 250000	1968 135 23	154 726 250000	1968 135 23	154 726 3259249846	1968 136 0	154 726 3059249790
1968 136 1	154 726 3159249888	1968 136 2	154 726 3359249661	1968 136 3	154 726 3159249659	1968 136 4	154 726 3259249854
1968 136 5	154 726 3059249881						
*****	FILE 25 *****						
1968 136 6	155 726 250000	1968 136 7	155 726 3059250079	1968 136 8	155 726 3259249828	1968 136 9	155 726 3059251808
1968 136 10	155 726 3159250148	1968 136 11	155 726 3359249801	1968 136 12	155 726 3159249323	1968 136 13	155 726 3259250032
1968 136 14	155 726 3059249852	1968 136 15	155 726 3259249903	1968 136 16	155 726 3059250051	1968 136 17	155 726 3159249746
1968 136 18	155 726 3359249644	1968 136 19	155 726 3159250163	1968 136 20	155 726 250000	1968 136 21	155 726 3159250100
1968 136 22	155 726 3259250388	1968 136 23	155 726 3059250235	1968 137 0	155 726 3259250139	1968 137 1	155 726 3059249884
1968 137 2	155 726 3159249741	1968 137 3	155 726 250000	1968 137 4	155 726 250000	1968 137 4	155 726 250000
1968 137 4	155 726 250000	1968 137 5	155 726 250000				
*****	FILE 26 *****						
1968 137 5	156 726 250000	1968 137 6	156 726 3259250164	1968 137 7	156 726 250000	1968 137 8	156 726 3159249963
1968 137 9	156 726 3359250360	1968 137 10	156 726 3159250139	1968 137 11	156 726 3259250770	1968 137 12	156 726 3059248290
1968 137 13	156 726 3259249840	1968 137 14	156 726 250000	1968 137 14	156 726 250000	1968 137 15	156 726 3159251454
1968 137 16	156 726 3359249949	1968 137 17	156 726 3159250327	1968 137 18	156 726 3359250324	1968 137 19	156 726 3159249779
1968 137 20	156 726 3259250633	1968 137 21	156 726 3059249584	1968 137 22	156 726 3259250300		
*****	FILE 27 *****						
1968 138 5	157 726 250000	1968 138 6	157 726 3059249187	1968 138 7	157 726 3259249780	1968 138 8	157 726 3059250305
1968 138 9	157 726 3159249940	1968 138 10	157 726 3359250490	1968 138 11	157 726 3159250202	1968 138 12	157 726 3259246678
1968 138 13	157 726 3059250944	1968 138 14	157 726 3259252177	1968 138 15	157 726 3059252197	1968 138 16	157 726 3159249759
1968 138 17	157 726 3359254400	1968 138 18	157 726 3159254533	1968 138 19	157 726 3359247636	1968 138 20	157 726 3159254365
1968 138 21	157 726 3259247663	1968 138 22	157 726 3059252438				
*****	FILE 28 *****						
1968 139 5	158 726 250000	1968 139 6	158 726 3259249264	1968 139 7	158 726 3059249458	1968 139 8	158 726 3259249874
1968 139 9	158 726 3059249894	1968 139 10	158 726 3159249488	1968 139 11	158 726 3359250003	1968 139 12	158 726 3159249529
1968 139 13	158 726 3259250121	1968 139 14	158 726 250000	1968 139 15	158 726 3259250589	1968 139 16	158 726 3059249978
1968 139 17	158 726 3159250104	1968 139 18	158 726 3059248185	1968 139 19	158 726 3159248450	1968 139 20	158 726 3359251214
1968 139 21	158 726 3159251447	1968 139 22	158 726 3259250870	1968 139 23	158 726 3059249801	1968 140 0	158 726 3259250803
1968 140 1	158 726 3059248995	1968 140 2	158 726 3159248385	1968 140 3	158 726 3359249230	1968 140 4	158 726 3159249303
1968 140 5	158 726 3359249492	1968 140 6	158 726 250000				
*****	FILE 29 *****						
1968 140 6	159 726 3159249889	1968 140 7	159 726 250000	1968 140 8	159 726 3059248382	1968 140 9	159 726 3259250843
1968 140 10	159 726 3059248928	1968 140 11	159 726 3159250888	1968 140 12	159 726 3359249816	1968 140 13	159 726 3159249947
1968 140 14	159 726 3259251724	1968 140 15	159 726 3059249649	1968 140 16	159 726 3259249285	1968 140 17	159 726 3059249465
1968 140 18	159 726 3159249668	1968 140 19	159 726 3059248400	1968 140 20	159 726 3159249885	1968 140 21	159 726 3359249843
1968 140 22	159 726 250000	1968 140 23	159 726 3259249425	1968 141 0	159 726 3059249810	1968 141 1	159 726 3259249518
1968 141 2	159 726 3059249415	1968 141 3	159 726 3159249664	1968 141 4	159 726 3059250307	1968 141 5	159 726 3159250627
1968 141 6	159 726 3359250337						
*****	FILE 30 *****						
1968 141 6	160 726 3359250337	1968 141 7	160 726 250000	1968 141 8	160 726 3259250537	1968 141 9	160 726 3059250401
1968 141 10	160 726 3259250603	1968 141 11	160 726 3059248025	1968 141 12	160 726 3159251361	1968 141 13	160 726 3359250893
1968 141 14	160 726 250000	1968 141 15	160 726 3259251286	1968 141 16	160 726 3059250490	1968 141 17	160 726 3259250771
1968 141 18	160 726 3059251163	1968 141 19	160 726 250000	1968 141 20	160 726 3059249631	1968 141 21	160 726 3159252246
1968 141 22	160 726 250000	1968 141 23	160 726 3159250734	1968 142 0	160 726 3259251593	1968 142 1	160 726 3059251322
1968 142 2	160 726 3259250744	1968 142 3	160 726 3059250920	1968 142 4	160 726 3259249425	1968 142 5	160 726 3059250775
1968 142 6	160 726 250000						
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1968 142 6	161 726 3159251242	1968 142 7	161 726 3359250046	1968 142 8	161 726 3159250062	1968 142 9	161 726 3259250830
1968 142 10	161 726 3059250526	1968 142 15	161 726 3159251587	1968 142 16	161 726 3259250499	1968 142 17	161 726 3059251393
1968 142 18	161 726 3259250294	1968 142 19	161 726 250000	1968 142 20	161 726 3259250153	1968 142 21	161 726 250000
1968 142 21	161 726 250000	1968 142 22	161 726 3159249482	1968 142 23	161 726 3359249914	1968 143 0	161 726 3159250631
1968 143 1	161 726 3259250181	1968 143 2	161 726 3059250356	1968 143 3	161 726 250000	1968 143 4	161 726 250000
1968 143 5	161 726 3259250124	1968 143 6	161 726 3059250838				

1968 242 12	261 726	250000	1968 242 12	261 726	250000	1968 242 13	261 726	3259249613	1968 242 15	261 726	250000
1968 242 16	261 726	250000	1968 242 17	261 726	3859249674	1968 242 18	261 726	3659249497	1968 242 19	261 726	3459249948
1968 242 20	261 726	3259249992	1968 242 22	261 726	250000	1968 242 23	261 726	4059250582	1968 243 0	261 726	3859250057
1968 243 1	261 726	3659251077	1968 243 2	261 726	3459250361	1968 243 3	261 726	3259250879	1968 243 4	261 726	3059249744
1968 243 5	261 726	250000									
*****	FILE 132	*****									
1968 243 5	262 726	4259251185	1968 243 6	262 726	250000	1968 243 6	262 726	250000	1968 243 7	262 726	3259251584
1968 243 8	262 726	3059251843	1968 243 9	262 726	3159251510	1968 243 10	262 726	3359250308	1968 243 11	262 726	3159250640
1968 243 12	262 726	250000	1968 243 12	262 726	250000	1968 243 13	262 726	3159250101	1968 243 14	262 726	250000
1968 243 15	262 726	250000	1968 243 16	262 726	250000	1968 243 17	262 726	250000	1968 243 18	262 726	250000
1968 243 19	262 726	250000	1968 243 20	262 726	250000	1968 243 22	262 726	4159249330	1968 243 23	262 726	3959247773
1968 244 0	262 726	250000	1968 244 0	262 726	250000	1968 244 1	262 726	250000	1968 244 1	262 726	250000
1968 244 2	262 726	4159251195	1968 244 3	262 726	3959250605	1968 244 4	262 726	3759248748	1968 244 5	262 726	250000

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1968 244 5	263 726	3559250995	1968 244 6	263 726	250000	1968 244 6	263 726	250000	1968 244 7	263 726	3159249993
1968 244 8	263 726	3259249531	1968 244 9	263 726	3059249836	1968 244 10	263 726	3259249997	1968 244 11	263 726	3059250237
1968 244 12	263 726	250000	1968 244 12	263 726	250000	1968 244 13	263 726	3559249155	1968 244 14	263 726	250000
1968 244 14	263 726	250000	1968 244 15	263 726	250000	1968 244 16	263 726	4359250087	1968 244 17	263 726	250000
1968 244 18	263 726	3959250171	1968 244 19	263 726	3759249985	1968 244 20	263 726	3559249288	1968 244 21	263 726	250000
1968 244 22	263 726	3159249619	1968 244 23	263 726	4359249961	1968 245 0	263 726	250000	1968 245 0	263 726	250000
1968 245 1	263 726	3259250121	1968 245 2	263 726	250000	1968 245 2	263 726	250000	1968 245 3	263 726	250000
1968 245 4	263 726	4159249801	1968 245 5	263 726	250000						

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1968 245 8	264 726	250000	1968 245 9	264 726	250000	1968 245 9	264 726	250000	1968 245 10	264 726	3059250380
1968 245 11	264 726	3159250478	1968 245 12	264 726	250000	1968 245 12	264 726	250000	1968 245 13	264 726	4059250424
1968 245 14	264 726	250000	1968 245 15	264 726	250000	1968 245 16	264 726	3459249379	1968 245 17	264 726	250000
1968 245 18	264 726	3059249952	1968 245 19	264 726	4259250446	1968 245 20	264 726	250000	1968 245 21	264 726	250000
1968 245 22	264 726	3659245802	1968 245 23	264 726	3459254759	1968 246 0	264 726	250000	1968 246 0	264 726	250000
1968 246 1	264 726	3059260032	1968 246 2	264 726	250000	1968 246 2	264 726	250000	1968 246 3	264 726	3559254287
1968 246 4	264 726	3359251525	1968 246 5	264 726	250000						

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1968 246 13	265 726	250000	1968 246 14	265 726	250000	1968 246 15	265 726	3959250478	1968 246 16	265 726	3759249229
1968 246 17	265 726	3559249999	1968 246 18	265 726	3359251096	1968 246 19	265 726	3159249757	1968 246 20	265 726	4359250167
1968 246 22	265 726	3959250110	1968 246 23	265 726	3759249018	1968 247 0	265 726	3559249947	1968 247 1	265 726	3359249514
1968 247 2	265 726	3159249762	1968 247 3	265 726	4359249759	1968 247 4	265 726	4259250339	1968 247 5	265 726	250000

***** FILE 4 *****

1968 247 13	266 726	250000	1968 247 14	266 726	250000	1968 247 15	266 726	3459249603	1968 247 16	266 726	3259249116
1968 247 17	266 726	3059249218	1968 247 18	266 726	4259248889	1968 247 19	266 726	4059249150	1968 247 20	266 726	3859249806
1968 247 21	266 726	250000	1968 247 22	266 726	3459250241	1968 247 23	266 726	250000	1968 248 1	266 726	4259249958
1968 248 2	266 726	4059249306	1968 248 3	266 726	3859250127	1968 248 4	266 726	3659249611	1968 248 5	266 726	250000
1968 248 5	266 726	250000									

***** FILE 5 *****

1968 248 13	267 726	250000	1968 248 14	267 726	250000	1968 248 14	267 726	250000	1968 248 15	267 726	3559251234
1968 248 16	267 726	3359249721	1968 248 19	267 726	4059250417	1968 248 20	267 726	3859250695	1968 248 22	267 726	3459250091
1968 248 23	267 726	250000	1968 249 0	267 726	3059250332	1968 249 1	267 726	4259250215	1968 249 2	267 726	250000
1968 249 3	267 726	3859250059	1968 249 4	267 726	3659250069	1968 249 5	267 726	250000			

***** FILE 6 *****

1968 249 14	268 726	250000	1968 249 14	268 726	250000	1968 249 15	268 726	3859249787	1968 249 16	268 726	3659250020
1968 249 17	268 726	3459249717	1968 249 18	268 726	3259250118	1968 249 19	268 726	3059249961	1968 249 20	268 726	4259249861
1968 249 21	268 726	250000	1968 249 22	268 726	3859249917	1968 249 23	268 726	3659249701	1968 250 0	268 726	3559249774
1968 250 1	268 726	3359249992	1968 250 2	268 726	3159249651	1968 250 3	268 726	4359250777	1968 250 4	268 726	4159249475
1968 250 5	268 726	250000	1968 250 5	268 726	250000						

***** FILE 7 *****

1968 250 13	269 726	250000	1968 250 14	269 726	250000	1968 250 14	269 726	250000	1968 250 15	269 726	3159248347
1968 250 16	269 726	4359248194	1968 250 17	269 726	4159252189	1968 250 18	269 726	3959255931	1968 250 19	269 726	3759247090
1968 250 20	269 726	250000	1968 250 21	269 726	250000	1968 250 22	269 726	3159248459	1968 250 23	269 726	4359250855
1968 251 0	269 726	4159248137	1968 251 1	269 726	250000	1968 251 2	269 726	250000	1968 251 3	269 726	3559249817
1968 251 4	269 726	250000	1968 251 5	269 726	250000	1968 251 5	269 726	250000			

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1968 251 16	270 726	3959251852	1968 251 17	270 726	3759251904	1968 251 18	270 726	3559252332	1968 251 19	270 726	3359252515
1968 251 20	270 726	250000	1968 251 21	270 726	250000	1968 251 22	270 726	4159250652	1968 251 23	270 726	3959250516
1968 252 0	270 726	3759249975	1968 252 1	270 726	3559249611	1968 252 2	270 726	3359251305	1968 252 3	270 726	3159249951
1968 252 4	270 726	4359249772	1968 252 5	270 726	250000	1968 252 5	270 726	250000			

***** FILE 9 *****

1968 262 1	280 726 4359251608	1968 262 2	280 726 4159250650	1968 262 3	280 726 3959251770	1968 262 4	280 726 3759251237
1968 262 5	280 726 250000	1968 262 5	280 726 250000				
*****	FILE 19	*****					
1968 262 13	281 726 250000	1968 262 14	281 726 250000	1968 262 14	281 726 250000	1968 262 15	281 726 3759251853
1968 262 16	281 726 3559251145	1968 262 17	281 726 3359250640	1968 262 18	281 726 3159248549	1968 262 19	281 726 4359251116
1968 262 20	281 726 250000	1968 262 22	281 726 3759249385	1968 262 23	281 726 3559248745	1968 263 0	281 726 3359250456
1968 263 1	281 726 3159249518	1968 263 2	281 726 4359249015	1968 263 3	281 726 4159249342	1968 263 4	281 726 3959249456
1968 263 5	281 726 250000						
*****	FILE 20	*****					
1968 263 5	282 726 250000	1968 263 6	282 726 3559250077	1968 263 7	282 726 3359249921	1968 263 11	282 726 4159249992
1968 263 12	282 726 3959249252	1968 263 14	282 726 250000	1968 263 15	282 726 250000	1968 263 16	282 726 250000
1968 263 17	282 726 4359250612	1968 263 18	282 726 4159249769	1968 263 19	282 726 3959248993	1968 263 20	282 726 250000
1968 263 22	282 726 3359249902	1968 263 23	282 726 3159250477	1968 264 0	282 726 250000	1968 264 0	282 726 250000
1968 264 1	282 726 250000	1968 264 1	282 726 250000	1968 264 2	282 726 3959249812	1968 264 3	282 726 3759249980
1968 264 4	282 726 3559249691	1968 264 5	282 726 250000				
*****	FILE 21	*****					
1968 264 5	283 726 250000	1968 264 6	283 726 3159248484	1968 264 7	283 726 250000	1968 264 7	283 726 250000
1968 264 7	283 726 250000	1968 264 8	283 726 3159249494	1968 264 9	283 726 4359249509	1968 264 10	283 726 4159249343
1968 264 11	283 726 3959248267	1968 264 12	283 726 3759249485	1968 264 13	283 726 250000	1968 264 13	283 726 250000
1968 264 14	283 726 3359248884	1968 264 15	283 726 3159250684	1968 264 16	283 726 4359249147	1968 264 17	283 726 4159250159
1968 264 18	283 726 3959247809	1968 264 19	283 726 3759249985	1968 264 20	283 726 3559250839	1968 264 21	283 726 250000
1968 264 22	283 726 3159247833	1968 264 23	283 726 4359249016	1968 265 0	283 726 4159247824	1968 265 1	283 726 250000
1968 265 1	283 726 250000	1968 265 2	283 726 250000	1968 265 2	283 726 250000	1968 265 3	283 726 3559249167
1968 265 4	283 726 3359249988	1968 265 5	283 726 250000				
*****	FILE 22	*****					
1968 265 5	284 726 250000	1968 265 6	284 726 4359249980	1968 265 7	284 726 250000	1968 265 7	284 726 250000
1968 265 8	284 726 250000	1968 265 8	284 726 250000	1968 265 9	284 726 4059250350	1968 265 10	284 726 3859249328
1968 265 11	284 726 3659249919	1968 265 12	284 726 3459249531	1968 265 13	284 726 250000	1968 265 13	284 726 250000
1968 265 14	284 726 3059249443	1968 265 15	284 726 4259250133	1968 265 16	284 726 4059250052	1968 265 17	284 726 3859251491
1968 265 18	284 726 3659249689	1968 265 19	284 726 3459248406	1968 265 20	284 726 3259248378	1968 265 21	284 726 3059249484
1968 265 22	284 726 4259250011	1968 265 23	284 726 250000	1968 265 23	284 726 250000	1968 266 0	284 726 250000
1968 266 0	284 726 250000	1968 266 1	284 726 3459248962	1968 266 2	284 726 3259249693	1968 266 3	284 726 3059248372
1968 266 4	284 726 4259251109	1968 266 5	284 726 250000				
*****	FILE 23	*****					
1968 266 5	285 726 250000	1968 266 6	285 726 3859249505	1968 266 7	285 726 250000	1968 266 7	285 726 250000
1968 266 8	285 726 250000	1968 266 8	285 726 250000	1968 266 9	285 726 3659249416	1968 266 10	285 726 3459249695
1968 266 11	285 726 3259249812	1968 266 12	285 726 3059250053	1968 266 13	285 726 4259248998	1968 266 14	285 726 250000
1968 266 14	285 726 250000	1968 266 15	285 726 3859249426	1968 266 16	285 726 250000	1968 266 17	285 726 250000
1968 266 18	285 726 3259249698	1968 266 19	285 726 3059249908	1968 266 20	285 726 4259249702		
*****	FILE 24	*****					
1968 267 4	286 726 250000	1968 267 5	286 726 250000	1968 267 6	286 726 3859249990	1968 267 7	286 726 250000
1968 267 7	286 726 250000	1968 267 8	286 726 250000	1968 267 8	286 726 250000	1968 267 9	286 726 3359249875
1968 267 10	286 726 3159249922	1968 267 11	286 726 4359249628	1968 267 12	286 726 4159249964	1968 267 13	286 726 3959249826
1968 267 14	286 726 250000	1968 267 15	286 726 3559249851	1968 267 16	286 726 3359249683	1968 267 17	286 726 3159250136
1968 267 18	286 726 4359249758	1968 267 19	286 726 4159249917	1968 267 20	286 726 3959249781	1968 267 21	286 726 3759249584
1968 267 22	286 726 3559249210	1968 267 23	286 726 3359249601	1968 268 0	286 726 3159249721	1968 268 1	286 726 3059249705
1968 268 2	286 726 4159249473	1968 268 3	286 726 3959250512	1968 268 4	286 726 3859250544	1968 268 5	286 726 250000
*****	FILE 25	*****					
1968 268 5	287 726 3659250297	1968 268 6	287 726 3459250582	1968 268 7	287 726 250000	1968 268 8	287 726 3059250386
1968 268 9	287 726 4259250291	1968 268 10	287 726 4059250406	1968 268 11	287 726 3859250011	1968 268 12	287 726 3659250103
1968 268 13	287 726 3459250010	1968 268 15	287 726 3059250204	1968 268 16	287 726 4259250184	1968 268 17	287 726 4059250121
1968 268 18	287 726 3859250089	1968 268 19	287 726 3659250145	1968 268 20	287 726 3459250072	1968 268 22	287 726 3059250018
1968 268 23	287 726 4259250040	1968 269 0	287 726 4059250063	1968 269 1	287 726 3859250010	1968 269 2	287 726 3659250033
1968 269 3	287 726 3459250143	1968 269 4	287 726 3259250017	1968 269 5	287 726 250000		
*****	FILE 26	*****					
1968 269 13	288 726 250000	1968 269 14	288 726 250000	1968 269 15	288 726 3859249761	1968 269 16	288 726 3659249704
1968 269 17	288 726 3459249817	1968 269 18	288 726 3259250054	1968 269 19	288 726 3059250134	1968 269 20	288 726 4259250284

1968 334 13	353 726 4259248628	1968 334 14	353 726 4059251978	1968 334 16	353 726	250000	1968 334 17	353 726	250000
1968 334 18	353 726 3259252642	1968 334 19	353 726 3059252100	1968 334 20	353 726	250000	1968 334 20	353 726	250000
1968 334 21	353 726 250000								
*****	FILE 83 *****								
1968 335 2	354 726 250000	1968 335 3	354 726 3259249954	1968 335 4	354 726	3059249809	1968 335 5	354 726	4259249955
1968 335 6	354 726 4059249970	1968 335 7	354 726 3859251897	1968 335 8	354 726	3659251507	1968 335 9	354 726	3459251840
1968 335 10	354 726 250000	1968 335 11	354 726 250000	1968 335 12	354 726	4259251473	1968 335 13	354 726	4059251709
1968 335 14	354 726 250000	1968 335 15	354 726 250000	1968 335 16	354 726	3459250314	1968 335 17	354 726	3259250160
1968 335 18	354 726 3059250240	1968 335 19	354 726 4259250391	1968 335 20	354 726	250000	1968 335 20	354 726	250000
1968 335 21	354 726 250000								
*****	FILE 84 *****								
1968 336 2	355 726 250000	1968 336 3	355 726 250000	1968 336 4	355 726	250000	1968 336 5	355 726	3059250662
1968 336 6	355 726 250000	1968 336 7	355 726 250000	1968 336 8	355 726	250000	1968 336 9	355 726	3659252148
1968 336 10	355 726 250000	1968 336 11	355 726 250000	1968 336 11	355 726	250000	1968 336 12	355 726	3059252829
1968 336 13	355 726 4259249257	1968 336 14	355 726 250000	1968 336 15	355 726	250000	1968 336 16	355 726	3659249114
1968 336 17	355 726 3459252071	1968 336 18	355 726 325924861	1968 336 19	355 726	3059250125	1968 336 20	355 726	250000
1968 336 20	355 726 250000	1968 336 21	355 726 250000						
*****	FILE 85 *****								
1968 337 4	356 726 250000	1968 337 5	356 726 4259248818	1968 337 6	356 726	4059252054	1968 337 7	356 726	3859251981
1968 337 8	356 726 3659250570	1968 337 9	356 726 3459249789	1968 337 10	356 726	3259249067	1968 337 11	356 726	3059251135
1968 337 12	356 726 4259250713	1968 337 14	356 726 3859249379	1968 337 15	356 726	250000	1968 337 16	356 726	3459251282
1968 337 17	356 726 3259250731	1968 337 18	356 726 3059250311	1968 337 19	356 726	4259250577	1968 337 20	356 726	250000
1968 337 20	356 726 250000	1968 337 21	356 726 250000						

END OF TAPE

@ FIN

D-10183

```

DIMENSION IARRAY(3,120),RAY(12,120),MT(6,120),JCN(726)
EQUIVALENCE (JCN(1),IDSC),(JCN(2),IPASS),(JCN(3),IFILE),(JCN(4),JA
IN),(JCN(5),JDA),(JCN(6),JHR),(JCN(7),MT(1,1))
DATA BLANK,ASK,DOL,DDM/1H,1H*,1H$,1HD/
1000 FORMAT(8H1PIONEER,I4,10X4HPASS,I6,10X4HFILE,I4)
1001 FORMAT(1H0,10X,16H30 SEC. AVERAGES/3H0MM,2X2HSC,7X,3X4HICNT,
14X4HASTT,5X3HXSE,5X3HYSE,5X3HZSE,4X4HFAVM,4X4HXXSE,4X4HYYSF,4X4HZZ
2SE,4X4HXYSE,4X4HXZSE,4X4HYZSE,4X4HDI SC)
1002 FORMAT(5H0YEAR,I5,10X,3HDAY,I4,10X,4HHCUR,I3)
1011 FORMAT(1X,I2,I4,I14,6XA2,4F8.2,6F8.2,6XA2)
IH=500
IK=250000
JP6=10**6
JP8=JP6*100
CALL BINED(5,N,JCN,ICODE)
DO 1 J=1,120
DO 2 K=1,3
IX=MT(K,J)/JP6
RAY(K+1,J)=IX-IH
RAY(K+1,J)=RAY(K+1,J)/10.
IXX=MT(K,J)-IX*JP6
RAY(K+5,J)=IXX
RAY(K+5,J)=RAY(K+5,J)/100.
IX=MT(4,J)/JP6
RAY(5,J)=IX
RAY(5,J)=RAY(5,J)/10.
IXX=MT(4,J)-IX*JP6
RAY(9,J)=IXX-IK
RAY(9,J)=RAY(9,J)/100.
IX=MT(5,J)/JP8
IARRAY(3,J)=IX
IXX=MT(5,J)-IX*JP8
MC=IXX/JP6
MCC=MC
IF(MC.GT.4)IF(MC-8)10,10,11
RAY(12,J)=BLANK
GO TO 9
10 RAY(12,J)=0
MC=MC-4
GO TO 9
11 RAY(12,J)=DDM
MC=MC-8
9 IF(MC.LE.4)IF(MC-2)5,6,7
RAY(1,J)=BLANK
GO TO 3
5 RAY(1,J)=0
GO TO 3
6 RAY(1,J)=ASK
GO TO 3
7 RAY(1,J)=DOL
3 IXXX=IXX-MCC*JP6
RAY(10,J)=IXXX-IK
RAY(10,J)=RAY(10,J)/100.
IX=MT(6,J)/JP8
IARRAY(2,J)=IX

```

→ WRIT4

6

$$IX = MT(1, J) / 10^6$$

$$RAY(2, J) = MT(1, J) / 10^6 - 500$$

DRIVER - CFN SOURCE STATEMENT - IFN(S) -

IXX=MT(6,J)-IX*JP8

IXXX=IXX/JP6

IARRAY(1,J)=IXXX

IXXXX=IXX-IXXX*JP6

RAY(11,J)=IXXXX-IX

RAY(11,J)=RAY(11,J)/100.

WRITE(3,1000)IDSC,IPASS,IFILE

WRITE(3,1002)JAN,JDA,JHR

WRITE(3,1001)

WRITE(3,1011) ((IARRAY(KA,KB),KA=1,3),(RAY(KC,KB),KC=1,12),KB=1,12

10)

STOP

END

84

85

86

87

DRIVER

STORAGE MAP

MAIN PROGRAM

DIMENSIONED PROGRAM VARIABLES

SYMBOL	LOCATION	TYPE	SYMBOL	LOCATION	TYPE	SYMBOL	LOCATION	TYPE
IARRAY	01327	I	RAY	02077	R	MT	00007	I
JON	00001	I						

UNDIMENSIONED PROGRAM VARIABLES

SYMBOL	LOCATION	TYPE	SYMBOL	LOCATION	TYPE	SYMBOL	LOCATION	TYPE
IDSC	00001	I	IFASS	00002	I	IFILE	00003	I
JAN	00004	I	JDA	00005	I	JHR	00006	I
IH	04737	I	IK	04740	I	JP6	04741	I
JP8	04742	I	N	04743	I	ICODE	04744	I
J	04745	I	IX	04746	I	IXX	04747	I
MC	04750	I	MCC	04751	I	BLANK	04752	R
DDM	04753	R	ASK	04754	I	DOL	04755	R
IXXX	04756	I	IXXXX	04757	I	KB	04760	I

ENTRY POINTS

..... SECTION 2

SUBROUTINES CALLED

BINRD	SECTION	3	.FWRD.	SECTION	4	.EXIT.	SECTION	5
.UN03.	SECTION	6	.FFIL.	SECTION	7	.FCNV.	SECTION	8
E.1	SECTION	9	E.2	SECTION	10	E.3	SECTION	11
E.4	SECTION	12	CC.1	SECTION	13	CC.2	SECTION	14
CC.3	SECTION	15	CC.4	SECTION	16	SYSLOC	SECTION	17

EFN IFN CORRESPONDENCE

EFN	IFN	LOCATION	EFN	IFN	LOCATION	EFN	IFN	LOCATION
1000	FORMAT	05007	1001	FORMAT	05016	1002	FORMAT	05052
1011	FORMAT	05061	1	80A	05432	2	21A	05202
10	47A	05311	11	50A	05316	9	52A	05323
5	58A	05336	6	61A	05340	7	64A	05343
3	66A	05345						

DRIVER

ASSEMBLY LISTING

00000	TRA		05037	BCI	1,4 X4HXX	05123	PAX	0,4
04752	ORG	BLANK	05040	BCI	1,SE,4X4	05124	TXI	*+1,4,MT-7
04752	BCI	1,	05041	BCI	1,HYYSE,	05125	SXA	13A,4
04754	ORG	ASK	05042	BCI	1,4 X4HZZ	05126	SXA	18A,4
04754	BCI	1,*	05043	BCI	1,SE,4X4	05127	LDQ	J
04755	ORG	DOL	05044	BCI	1,HXYSE,	05130	VLM	C,17,,15
04755	BCI	1,\$	05045	BCI	1,4 X4HXZ	05131	PAX	0,4
04753	ORG	DOM	05046	BCI	1,SE,4X4	05132	TXI	*+1,4,RAY-8
04753	BCI	1,0	05047	BCI	1,HYZSE,	05133	SXA	20A,4
04761	ORG	2545	05050	BCI	1,4 X4HDI	05134	SXA	22A,4
04761 C.0	OCT	0000000000001	05051	BCI	1,SC)	05135	SXA	23A,4
04762 C.1	OCT	0000000000000	05052 1002.	BCI	1,(SHOYE	05136	TXI	*+1,4,-4
04763 C.2	OCT	0000000000000	05053	BCI	1,AF,IS,	05137	SXA	15A,4
04764 C.3	OCT	0000000000001	05054	BCI	1,10X,3H	05140	SXA	16A,4
04765 C.4	OCT	000000000764	05055	BCI	1,DAY,I4	05141	SXA	17A,4
04766 C.5	OCT	000000750220	05056	BCI	1,,10X,4	05142 12A	AXC	1,6
04767 C.6	OCT	000000000012	05057	BCI	1,HHCUR,	05143 13A	LDQ	**,6
04770 C.7	OCT	000000000006	05060	BCI	1,I3)	05144	ZAC	
04771 C.8	OCT	000000000144	05061 1011.	BCI	1,(1X,I2	05145	LLS	0
04772 C.9	OCT	000000000005	05062	BCI	1,,I4,I1	05146	DVP	JP6
04773 C.10	OCT	2045000000000	05063	BCI	1,4,6XA2	05147	STQ	IX
04774 C.11	OCT	2076200000000	05064	BCI	1,,4F8.2	05150 14A	CLA	IX
04775 C.12	OCT	0000000000004	05065	BCI	1,,6F8.2	05151	SUB	IH
04776 C.13	OCT	0000000000010	05066	BCI	1,,6XA2)	05152	LRS	8
04777 C.14	OCT	0000000000000	05067 1A	CLA	C.4	05153	ORA	CC.2
05000 C.15	OCT	0000000000002	05070	STQ	IH	05154	STQ	E.1
05001 C.16	OCT	0000000000000	05071 2A	CLA	C.5	05155	CLA	CC.3
05002 C.17	OCT	0000014000000	05072	STQ	IK	05156	LLS	8
05003 C.18	OCT	0000003000000	05073 3A	LDQ	C.6	05157	FAD	E.1
05004 N.	BSS	1	05074	MPY	C.6	05160 15A	STQ	**,6
05005 RD.	OCT	0000000000000	05075	STQ	N.	05161 16A	CLA	**,6
05006	OCT	0000000000000	05076	MPY	N.	05162	FDP	C.10
05007 1000.	BCI	1,(8H1PI	05077	MPY	N.	05163 17A	STQ	**,6
05010	BCI	1,ONEER,	05100	STQ	JP6	05164	LDQ	IX
05011	BCI	1,14,10X	05101 4A	LDQ	JP6	05165	MPY	JP6
05012	BCI	1,4HPASS	05102	MPY	C.8	05166	XCA	
05013	BCI	1,,16,10	05103	STQ	JP8	05167	CHS	
05014	BCI	1,X4HFIL	05104 5A	NULL		05170 18A	ADD	**,6
05015	BCI	1,F,I4)	05104 6A	TSX	BINRD,4	05171	STQ	IXX
05016 1001.	BCI	1,(1H0,1	05105	TXI	*+6,,4	05172 19A	CLA	IXX
05017	BCI	1,FX,16H	05106	FZE	6,,LK,DR	05173	LRS	8
05020	BCI	1,30 SEC	05107	FZE	C.9	05174	ORA	CC.2
05021	BCI	1,,AVER	05110	PZE	N	05175	STQ	E.1
05022	BCI	1,AGES/3	05111	PZE	JON	05176	CLA	CC.3
05023	BCI	1,FOMN,2	05112	FZE	ICODE	05177	LLS	8
05024	BCI	1,X2HSC,	05113 7A	NULL		05200	FAD	E.1
05025	BCI	1,7X	05113 8A	NULL		05201 20A	STQ	**,6
05026	BCI	1,,3X4	05113 9A	NULL		05202 21A	NULL	
05027	BCI	1,HICNT,	05113 10A	AXC	1,1	05202 22A	CLA	**,6
05030	BCI	1,4X4HAS	05114	AXC	6,2	05203	FDP	C.11
05031	BCI	1,TT,5X3	05115	AXC	12,3	05204 23A	STQ	**,6
05032	BCI	1,FXSF,5	05116	AXC	3,5	05205 24A	TXI	*+1,6,-1
05033	BCI	1,X3HYSE	05117	STZ	J	05206	TXH	12A+1,6,-4
05034	BCI	1,,5X3HZ	05120	SCA	J,1	05207 25A	LDQ	MT-3,2
05035	BCI	1,SE,4X4	05121 11A	LDQ	J	05210	ZAC	
05036	BCI	1,HFAVM,	05122	VLM	C,16,,15	05211	LLS	0

DRIVER

ASSEMBLY LISTING

05457	TXI	**4,,2	05545	 TXI	**10,,**
05460	PZE	85,,LK.DR	05546	AXT	**,,6
05461	PZE	.UN03.	05547	AXT	**,,5
05462	PZE	1002.	05550	AXT	**,,3
05463	CLA	JAN	05551	AXT	**,,2
05464	TSX	.FCNV,,4	05552	AXT	**,,1
05465	CLA	JDA	05553	AXT	**,,4
05466	TSX	.FCNV,,4	05554	LDI	**2
05467	CLA	JHR	05555	TRA	1,4
05470	TSX	.FCNV,,4	05556	PZE	**
05471	TSX	.FFIL,,4	05557	STI	**1
05472 86A	TSX	.FWPD,,4	05560	SXA	SYSLOC,4
05473	TXI	**4,,2	05561	SXA	LK.DR,4
05474	PZE	86,,LK.DR	05562	LMTM	
05475	PZE	.UN03.	05563	SXA	**8,4
05476	PZE	1001.	05564	SXA	**10,1
05477	TSX	.FFIL,,4	05565	SXA	**12,2
05500 87A	TSX	.FWPD,,4	05566	SXA	**14,3
05501	TXI	**4,,2	05567	SXA	**16,5
05502	PZE	87,,LK.DR	05570	SXA	**18,6
05503	PZE	.UN03.	05571	TRA	1A
05504	PZE	1011.			
05505 88A	NULL				
05505 89A	NULL				
05505 90A	AXC	1,1			
05506	STZ	KB			
05507	SCA	KB,1			
05510 91A	LDQ	KB			
05511	VLM	C.18,,15			
05512	PAX	0,4			
05513	TXI	**1,4,IARRAY-4			
05514	SXA	93A,4			
05515 92A	AXC	1,2			
05516 93A	CLA	**,,2			
05517	TSX	.FCNV,,4			
05520 94A	TXI	**1,2,-1			
05521	TXH	92A+1,2,-4			
05522 95A	LDQ	KB			
05523	VLM	C.17,,15			
05524	PAX	0,4			
05525	TXI	**1,4,RAY-13			
05526	SXA	97A,4			
05527 96A	AXC	1,2			
05530 97A	CLA	**,,2			
05531	TSX	.FCNV,,4			
05532 98A	TXI	**1,2,-1			
05533	TXH	96A+1,2,-13			
05534 99A	TXI	**1,1,-1			
05535	TXH	90A+2,1,-121			
05536 100A	TSX	.FFIL,,4			
05537	CLA	C.1			
05540	TSX	.EXIT,,4			
05541	TXI	**2,,0			
05542	PZE	100,,LK.DR			
05543 LK.DR	PZE	**			
05544	BCI	1,DRIVER			

* IOCS CONTROLS *

FILE LIST

LOC

04016 GROUP RESERVED 00001 BUFFERS, MAXIMUM FILE OPEN COUNT = 00001
04017 .UAS.

04020 GROUP RESERVED 00001 BUFFERS, MAXIMUM FILE OPEN COUNT = 00001
04021 UNIT03

BUFFER POOL

LOC

37444 BUFFER COUNT = 00002 , BUFFER SIZE = 05000 FILE COUNT= 00001 , FILE LIST LOC = 04016
63072 BUFFER COUNT = 00054 , BUFFER SIZE = 00115 FILE COUNT= 00001 , FILE LIST LOC = 04020

YEAR 1968

DAY 112

HOUR 8

30 SEC. AVERAGES

MN	SC	ICNT	ASTT	XSE	YSE	ZSE	FAVM	XXSE	YYSE	ZZSE	XYSE	XZSE	YZSE	DISC
0	0	20		1.20	0.90	0.10	1.50	1.55	0.84	0.05	1.12	0.16	0.12	
0	30	22		1.20	0.70	0.10	1.50	1.54	0.62	0.07	0.92	0.11	0.07	
1	0	21		1.20	0.70	-0.10	1.40	1.55	0.53	0.05	0.86	-0.12	-0.07	
1	30	23		1.30	0.70	0.10	1.50	1.68	0.50	0.05	0.85	0.11	0.07	
2	1	20		1.20	0.70	-0.10	1.50	1.60	0.50	0.04	0.86	-0.12	-0.06	
2	30	22		1.20	0.70	-0.20	1.40	1.49	0.55	0.06	0.87	-0.21	-0.13	
3	1	21		1.20	0.60	-0.20	1.40	1.56	0.39	0.09	0.72	-0.23	-0.13	
3	31	21		1.30	0.70	-0.20	1.50	1.61	0.49	0.06	0.86	-0.26	-0.14	
4	0	22		1.30	0.70	-0.20	1.50	1.61	0.48	0.11	0.84	-0.25	-0.13	
4	31	19		-0.50	-0.20	-0.10	1.40	1.62	0.39	0.08	0.78	-0.12	-0.06	
5	0	22		0.10	0.10	0.00	1.50	1.71	0.41	0.03	0.79	0.01	0.00	
5	30	21		1.30	0.50	0.00	1.40	1.62	0.29	0.04	0.63	-0.03	-0.01	
6	1	21		1.20	0.60	-0.10	1.40	1.57	0.44	0.05	0.77	-0.08	-0.02	
6	30	22		1.30	0.60	0.00	1.50	1.67	0.44	0.05	0.82	-0.05	-0.01	
7	0	22		1.20	0.70	-0.20	1.40	1.42	0.49	0.08	0.79	-0.24	-0.14	
7	31	20		1.30	0.70	-0.20	1.50	1.74	0.50	0.06	0.89	-0.21	-0.10	
8	0	22		1.30	0.70	-0.10	1.50	1.66	0.56	0.04	0.90	-0.15	-0.10	
8	30	22		1.30	0.80	-0.40	1.60	1.79	0.61	0.20	1.01	-0.51	-0.28	
9	0	21		1.30	0.80	-0.10	1.60	1.77	0.64	0.04	1.02	-0.16	-0.10	
9	30	22		1.30	0.70	-0.10	1.50	1.72	0.54	0.05	0.92	-0.16	-0.10	
10	0	20		1.30	0.70	-0.20	1.50	1.61	0.55	0.08	0.87	-0.30	-0.15	
10	30	21		1.30	0.70	-0.10	1.50	1.81	0.56	0.04	0.96	-0.12	-0.07	
11	1	21		1.30	0.70	-0.10	1.50	1.64	0.54	0.08	0.91	-0.16	-0.08	
11	30	21		1.20	0.60	0.00	1.40	1.55	0.36	0.03	0.70	-0.03	-0.03	
12	0	22		1.30	0.70	0.10	1.50	1.70	0.47	0.09	0.83	0.15	0.09	
12	31	20		1.30	0.60	0.10	1.50	1.69	0.46	0.05	0.81	0.18	0.11	
13	0	22		1.30	0.60	0.20	1.50	1.70	0.46	0.11	0.83	0.31	0.16	
13	31	22		1.30	0.70	0.10	1.50	1.81	0.49	0.09	0.91	0.18	0.09	
14	1	20		1.40	0.60	0.00	1.50	1.91	0.41	0.03	0.84	-0.02	0.00	
14	30	22		1.30	0.70	0.10	1.50	1.75	0.53	0.03	0.89	0.11	0.05	
15	1	21		1.40	0.70	0.10	1.50	1.91	0.50	0.05	0.94	0.15	0.07	
15	30	21		1.40	0.70	0.00	1.60	1.97	0.51	0.05	0.97	0.06	0.03	
16	0	21		1.40	0.60	0.10	1.60	2.13	0.46	0.06	0.93	0.18	0.09	
16	31	21		1.40	0.60	0.00	1.50	1.99	0.36	0.03	0.80	0.06	0.03	
17	0	22		1.30	0.60	0.00	1.50	1.80	0.36	0.04	0.76	-0.06	-0.02	
17	30	22		1.30	0.60	0.00	1.50	1.74	0.45	0.06	0.83	-0.04	-0.02	
18	0	21		1.30	0.60	0.00	1.50	1.84	0.46	0.07	0.86	-0.03	-0.01	
18	30	22		1.40	0.70	0.00	1.60	1.85	0.56	0.04	0.97	0.05	0.03	
19	0	21		1.30	0.60	0.00	1.50	1.79	0.36	0.09	0.77	0.05	0.02	
19	30	22		1.30	0.60	-0.10	1.50	1.71	0.41	0.05	0.78	-0.09	-0.03	
20	1	20		1.40	0.60	0.20	1.50	1.86	0.46	0.06	0.86	0.22	0.08	
20	30	22		1.40	0.60	0.20	1.60	2.14	0.43	0.11	0.88	0.27	0.13	
21	0	21		1.40	0.70	0.10	1.60	1.98	0.52	0.06	0.96	0.12	0.06	
21	31	20		1.50	0.60	0.20	1.60	2.21	0.46	0.08	0.96	0.29	0.12	
22	0	22		1.40	0.70	0.30	1.70	2.12	0.59	0.21	1.06	0.48	0.27	
22	30	22		1.40	0.70	0.10	1.50	1.87	0.49	0.04	0.90	0.15	0.08	
23	1	21		1.40	0.70	0.10	1.60	1.93	0.51	0.05	0.95	0.10	0.05	
23	30	22		1.30	0.50	-0.10	1.40	1.72	0.31	0.06	0.70	-0.13	-0.05	
24	1	22		1.20	0.30	-0.20	1.30	1.37	0.15	0.10	0.36	-0.27	-0.07	
24	30	21		1.10	0.20	-0.20	1.20	1.27	0.10	0.06	0.24	-0.22	-0.05	
25	0	21		0.90	0.00	-0.30	1.00	0.90	0.04	0.12	0.01	-0.25	0.00	
25	31	21		0.90	0.10	-0.10	0.90	0.86	0.03	0.03	0.09	-0.09	-0.02	
26	0	22		1.00	0.10	-0.20	1.00	0.95	0.06	0.08	0.06	-0.18	-0.02	
26	30	22		1.00	0.10	-0.10	1.00	1.02	0.05	0.04	0.13	-0.12	-0.01	
27	0	21		1.00	0.10	-0.10	1.00	1.06	0.05	0.05	0.06	-0.05	-0.01	
27	30	22		1.00	0.00	-0.40	1.20	1.09	0.05	0.24	0.00	-0.44	0.01	
28	1	21		0.90	0.00	-0.30	1.00	0.89	0.05	0.13	0.05	-0.30	-0.01	

FOR, IS SPA
FOR S8A-02/09-17:18 (0)

MAIN PROGRAM

STORAGE USED: CODE(1) 000307; DATA(0) 005061; BLANK COMMON(2) 000000

EXTERNAL REFERENCES (BLOCK, NAME)

0003	NTRAN
0004	EXIT
0005	NINTR\$
0006	NWDU\$
0007	NI02\$
0010	NI01\$
0011	NSTOP\$

STORAGE ASSIGNMENT (BLOCK, TYPE, RELATIVE LOCATION, NAME)

0001	000134	10L	0000	003434	1000F	0000	003443	1001F	0000	003476	1002F	0000	003505	1011F
0001	000141	11L	0001	000030	1236	0001	000031	126G	0001	000271	232G	0001	000272	234G
0001	000276	240G	0001	000171	3L	0001	000162	5L	0001	000164	6L	0001	000167	7L
0001	000146	9L	0000 R	003411	ASK	0000 R	003410	BLANK	0000 R	003412	DOL	0000 R	003413	DOM
0000 I	000000	IARRAY	0000 I	003513	IDSC	0000 I	003515	IFILE	0000 I	003414	IH	0000 I	003415	IK
0000 I	003514	IPASS	0000 I	003423	IX	0000 I	003424	IXX	0000 I	003427	IXXX	0000 I	003430	IXXXX
0000 I	003421	J	0000 I	003516	JAN	0000 I	003517	JDA	0000 I	003520	JHR	0000 I	003513	JON
0000 I	003416	JP6	0000 I	003417	JP8	0000 I	003422	K	0000 I	003431	KA	0000 I	003432	KB
0000 I	003433	KC	0000 I	003420	L	0000 I	003425	MC	0000 I	003426	MCC	0000 I	003521	MT
0000 R	000550	RAY												

```
00101 1* DIMENSION IARRAY(3,120),RAY(12,120),MT(6,120),JON(726)
00103 2* EQUIVALENCE (JON(1),IDSC),(JON(2),IPASS),(JON(3),IFILE),(JON(4),JA
00103 3* 1N),(JON(5),JDA),(JON(6),JHR),(JON(7),MT(1,1))
00104 4* DATA BLANK,ASK,DOL,DOM/1H,1H*,1H$,1HD/
00111 5* 1000 FORMAT(8H1PIONEER,I4,10X4HPASS,I6,10X4HFILE,I4)
00112 6* 1001 FORMAT(1H0,10X,16H30 SEC. AVERAGES/3H0MN,2X2HSC,7X ,3X4HICNT,
00112 7* 14X4HASTT,5X3HXSE,5X3HYSE,5X3HZSE,4X4HFAVM,4X4HXXSE,4X4HYyse,4X4HZZ
00112 8* 2SE,4X4HXYSE,4X4HXZSE,4X4HYZSE,4X4HDISC)
00113 9* 1002 FORMAT(5H0YEAR,I5,10X,3HDAY,I4,10X,4HHOUR,I3)
00114 10* 1011 FORMAT(1X,I2,I4,I14,6XA2,4F8.2,6F8.2,6XA2)
00115 11* 1H=500
00116 12* 1K=250000
00117 13* JP6=10**6
00120 14* JP8=JP6*100
00121 15* CALL NTRAN(0,2,726,JON,L,22)
00122 16* DO 1 J=1,120
00125 17* DO 2 K=1,3
00130 18* IX=MT(K,J)/JP6
00131 19* RAY(K+1,J)=IX -IH
00132 20* RAY(K+1,J)=RAY(K+1,J)/10.
00133 21* IXX=MT(K,J)-IX*JP6
```

*I legge un record di 726 parole
loop di attesa fino alla fine del record*

CALL BWRD(5,H,JON,ICODE)

00134	22*		RAY(K+5,J)=IXX
00135	23*	2	RAY(K+5,J)=RAY(K+5,J)/100.
00137	24*		IX=MT(4,J)/JP6
00140	25*		RAY(5,J)=IX
00141	26*		RAY(5,J)=RAY(5,J)/10.
00142	27*		IXX=MT(4,J)-IX*JP6
00143	28*		RAY(9,J)=IXX-IX
00144	29*		RAY(9,J)=RAY(9,J)/100.
00145	30*		IX=MT(5,J)/JP8
00146	31*		IARRAY(3,J)=IX
00147	32*		IXX=MT(5,J)-IX*JP8
00150	33*		MC=IXX/JP6
00151	34*		MCC=MC
00152	35*		IF(MC.GT.4) IF(MC-8) 10,10,11
00156	36*		RAY(12,J)=BLANK
00157	37*		GO TO 9
00160	38*	10	RAY(12,J)=0
00161	39*		MC=MC-4
00162	40*		GO TO 9
00163	41*	11	RAY(12,J)=DOM
00164	42*		MC=MC-8
00165	43*	9	IF(MC.NE.4) IF(MC-2) 5,6,7
00171	44*		RAY(1,J)=BLANK
00172	45*		GO TO 3
00173	46*	5	RAY(1,J)=0
00174	47*		GO TO 3
00175	48*	6	RAY(1,J)=ASK
00176	49*		GO TO 3
00177	50*	7	RAY(1,J)=DOL
00200	51*	3	IXXX=IXX-MCC*JP6
00201	52*		RAY(10,J)=IXXX-IX
00202	53*		RAY(10,J)=RAY(10,J)/100.
00203	54*		IX=MT(6,J)/JP8
00204	55*		IARRAY(2,J)=IX
00205	56*		IXX=MT(6,J)-IX*JP8
00206	57*		IXXX=IXX/JP6
00207	58*		IARRAY(1,J)=IXXX
00210	59*		IXXXX=IXX-IXXX*JP6
00211	60*		RAY(11,J)=IXXXX-IX
00212	61*	1	RAY(11,J)=RAY(11,J)/100.
00214	62*		WRITE(6,1000) IDSC, IPASS, IFILE
00221	63*		WRITE(6,1002) JAN, JDA, JHR
00226	64*		WRITE(6,1001)
00230	65*		WRITE(6,1011) ((IARRAY(KA,KB),KA=1,3),(RAY(KC,KB),KC=1,12),KB=1,12
00230	66*		10)
00245	67*		CALL EXIT
00246	68*		END

NTRAN reads out one record

0 readout
the unit
2 = readout

726 word in a record
JON vector where 726 word are
memorized

END OF COMPILATION: NO DIAGNOSTICS.



9XQT

MAP 0022-02/09-17:18

ADDRESS LIMITS 001000 007725 040000 051136
STARTING ADDRESS 007417

WORDS DECIMAL 3542 IBANK 4703 DBANK

SEGMENT MAIN 001000 007725 040000 051136

NSWTC\$/FOR	1	001000 001021		
NRBLK\$/FOR	1	001022 001047		
NRWND\$/FOR50	1	001050 001127	2	040000 040011
NWEF\$/FOR50	1	001130 001322	2	040012 040031
NBDCV\$/FOR	1	001323 001456	2	040032 040071
NFTV\$/FOR	1	001457 001501		
NCNVT\$/FOR50	1	001502 001727	2	040072 040157
NCLOS\$/FOR50	1	001730 002064	2	040160 040204
NWBLK\$/FOR	1	002065 002210		
NBSBL\$/FOR	1	002211 002246		
NUPDA\$/FOR	1	002247 002302		
NBF00\$/FOR			2	040205 042406
NOTIN\$/FOR51	1	002303 002616	2	042407 042415
NOUT\$/FOR51	1	002617 003544	2	042416 042446
NFMT\$/FOR52	1	003545 004447	2	042447 042465
NIOER\$/FOR52	1	004450 004566	2	042466 042570
NERR\$/FOR53	1	004567 005111	2	042571 042716
NFCHK\$/FOR51	1	005112 005715	2	042717 043060
			4	043061 043131
ER0\$/53			2	043132 043213
NTAB/CENTRO			2	043214 043343
NIER\$/FOR52	1	005716 006000		
NOBUF\$/FOR51	1	006001 006040		
NINTR\$/CENTRO	1	006041 006205	2	043344 043433
NSTOP\$/FOR51	1	006206 006230	2	043434 043442
NTRAN\$/CENTRO	1	006231 007416	2	043443 044055
BLANK\$COMMON (COMMON BLOCK)				
SPA	1	007417 007725	0	044056 051136
			2	BLANK\$COMMON

SYSS*RLIB\$. LEVEL 53
END OF COLLECTION - TIME 0.891 SECONDS

PIONEER 8 PASS 1 FILE 1
YEAR 1967 DAY 347 HOUR 19

$$F = \frac{1}{N} \sum (F_i)$$

$$\frac{1}{N} \sum X_i$$

ARRAY(1,J)		30 SEC. AVERAGES		ARRAY(2,J)	ARRAY(3,J)	ARRAY(4,J)	ARRAY(5,J)	ARRAY(6,J)	ARRAY(7,J)	ARRAY(8,J)	ARRAY(9,J)	ARRAY(10,J)	ARRAY(11,J)	ARRAY(12,J)
MN	SC	ICNT	ASTT	XSE	YSE	ZSE	FAVM	XXSE	YYSE	ZZSE	XYSE	XZSE	YZSE	DISC
0	0	23		-31.40	-11.00	7.90	33.20	988.56	121.31	63.03	345.95	-249.15	-87.17	
0	30	23		-31.20	-10.30	8.50	32.90	975.94	106.82	72.43	322.38	-265.53	-87.76	
1	0	23		-30.80	-10.40	8.30	32.50	949.31	107.36	69.61	318.98	-256.50	-86.15	
1	30	24		-30.10	-10.00	10.00	32.30	907.12	100.42	99.61	301.33	-300.00	-99.77	
2	0	23		-30.40	-11.00	9.40	32.60	922.19	121.06	88.14	333.72	-284.11	-102.68	
2	30	23		-31.20	-11.70	8.50	33.40	974.88	138.20	71.82	366.84	-264.27	-99.40	
3	0	24		-31.30	-12.00	7.60	33.30	979.83	144.68	58.75	376.35	-239.23	-91.82	
3	31	23		-30.40	-13.00	7.20	32.80	923.93	168.03	51.63	393.51	-217.68	-92.84	
4	0	23		-29.80	-12.90	7.40	32.30	887.05	165.97	55.45	383.45	-221.49	-95.72	
4	30	23		-29.70	-13.20	7.80	32.50	884.19	173.55	61.17	391.46	-232.12	-102.74	
5	0	23		-30.60	-13.70	7.90	33.40	937.18	186.80	62.64	418.09	-241.89	-107.97	
5	30	24		-30.60	-13.40	7.50	33.20	936.34	180.57	56.25	411.00	-229.04	-100.47	
6	1	23		-30.00	-13.10	6.90	32.40	899.38	171.89	47.57	392.82	-206.42	-90.25	
6	31	23		-29.60	-13.80	7.40	32.50	878.96	189.63	54.56	408.02	-218.39	-101.29	
7	0	23		-29.50	-13.90	8.60	32.80	869.60	193.15	74.30	409.47	-253.11	-119.10	
7	30	23		-30.10	-15.70	9.90	34.50	907.63	247.67	100.37	473.03	-299.61	-155.23	
8	0	23		-25.10	-11.40	12.10	29.30	630.19	130.29	147.52	286.12	-303.02	-137.07	
8	30	24		-24.50	-11.30	12.10	28.80	598.59	127.90	147.85	276.31	-296.98	-137.32	
9	1	23		-25.00	-11.80	12.20	29.50	624.50	139.15	150.16	294.37	-305.69	-144.32	
9	30	23		-27.50	-13.00	11.70	31.70	756.00	169.92	138.12	356.17	-322.85	-151.76	
10	0	23		-26.80	-10.90	12.80	30.80	720.05	118.51	164.28	291.03	-342.89	-139.06	
10	30	23		-24.50	-10.40	14.70	29.70	601.91	108.31	215.16	254.81	-359.56	-152.17	
11	0	24		-24.40	-12.30	12.80	29.50	594.20	150.85	165.91	298.99	-312.80	-157.04	
11	31	23		-25.60	-12.00	11.10	29.60	657.83	144.15	123.43	307.44	-284.47	-133.07	
12	0	23		-27.00	-11.60	10.80	30.50	730.90	134.59	116.06	313.39	-290.95	-124.76	
12	30	23		-28.10	-13.00	10.10	31.70	788.11	170.51	101.44	366.12	-282.34	-131.05	
13	0	23		-28.00	-12.90	10.50	31.70	785.13	167.90	110.61	362.36	-294.13	-135.56	
13	30	24		-26.50	-11.40	10.70	29.90	701.10	130.01	114.92	301.24	-283.65	-121.83	
14	1	23		-25.90	-11.00	10.00	29.10	670.15	121.86	100.54	285.30	-259.33	-110.46	
14	31	23		-25.30	-9.90	9.90	28.10	639.41	98.57	97.89	250.73	-249.97	-98.07	
15	0	23		-26.30	-10.20	9.90	29.10	692.40	104.79	98.66	269.16	-261.18	-101.48	
15	30	24		-27.30	-11.00	8.50	29.80	745.71	121.26	73.08	300.47	-233.00	-93.77	
16	1	23		-27.80	-11.00	8.00	30.00	772.60	121.75	64.24	306.18	-222.41	-88.31	
16	30	23		-28.00	-11.80	7.20	30.30	781.78	139.47	52.60	330.07	-202.22	-85.31	
17	0	23		-28.40	-12.10	6.80	30.60	807.42	145.62	45.83	342.70	-191.86	-81.41	
17	30	23		-29.00	-10.90	7.30	30.90	840.56	118.87	54.26	315.46	-212.51	-79.48	
18	0	24		-28.50	-10.10	7.90	30.30	812.35	102.77	62.56	288.75	-224.98	-79.96	
18	31	23		-28.40	-9.80	8.30	30.20	805.02	97.22	68.98	279.53	-235.08	-81.59	
19	0	23		-27.80	-9.80	7.90	29.60	772.25	96.56	62.15	272.75	-218.82	-77.27	
19	30	23		-28.90	-10.60	7.70	30.80	834.58	112.35	59.03	306.04	-221.41	-81.10	
20	0	23		-28.30	-10.10	8.00	30.20	803.04	102.72	63.42	287.20	-225.45	-80.61	
20	30	24		-28.20	-10.20	7.90	30.10	793.98	104.83	62.83	288.18	-222.97	-81.00	
21	1	23		-28.60	-10.40	7.60	30.40	820.34	107.32	57.71	296.60	-216.90	-78.40	
21	31	23		-28.50	-10.20	6.90	30.10	810.58	104.57	47.77	290.92	-196.36	-70.47	
22	0	23		-29.10	-10.60	6.90	30.80	849.07	113.19	47.56	309.79	-200.61	-73.12	
22	30	23		-29.30	-10.90	6.80	31.00	856.53	118.15	45.88	317.92	-197.98	-73.42	
23	0	23		-29.30	-10.80	6.80	30.90	856.25	116.07	46.44	315.10	-199.22	-73.30	
23	30	24		-29.10	-11.10	7.00	31.00	847.29	123.32	49.34	322.39	-203.96	-77.60	
24	1	23		-29.20	-12.30	7.00	31.50	855.38	152.48	48.69	360.82	-203.61	-85.94	
24	30	23		-29.20	-15.00	6.40	32.50	851.76	227.37	41.73	437.22	-186.63	-94.74	

D means
that at least
one individual
value different from
the previous > 5

53	30	24	-23.10	-5.20	9.40	24.80	535.26	26.84	88.97	119.69	-218.15	-48.80
54	1	23	-23.30	-5.30	9.20	24.80	542.15	27.89	84.40	122.78	-213.84	-48.47
54	30	23	-23.30	-5.30	9.20	24.90	543.46	28.04	84.63	123.37	-214.37	-48.68
55	0	24	-23.30	-5.30	9.20	24.80	540.73	28.16	85.04	123.26	-214.35	-48.86
55	31	23	-23.10	-5.40	9.00	24.70	535.30	28.89	81.92	124.20	-209.36	-48.59
56	0	23	-23.00	-5.70	8.90	24.50	528.68	32.35	79.08	130.70	-204.44	-50.55
56	30	23	-23.10	-5.70	8.50	24.50	533.38	32.92	71.90	132.38	-195.73	-48.60
57	0	23	-23.30	-5.80	8.50	24.70	540.62	33.37	72.94	134.16	-198.51	-49.26
57	30	24	-23.60	-5.50	8.50	24.90	556.67	30.56	72.20	130.27	-200.42	-46.91
58	1	23	-23.70	-5.60	8.40	25.00	563.68	31.15	70.62	132.46	-199.44	-46.85
58	31	23	-24.10	-5.60	8.50	25.40	582.43	31.70	72.88	135.66	-205.96	-48.01
59	0	23	-24.40	-5.70	8.40	25.60	595.28	32.95	71.10	139.83	-205.66	-48.33
59	30	23	-24.40	-5.80	8.50	25.70	595.82	33.86	71.98	141.96	-207.00	-49.33

FIN

133



RUNID: 9AASPA · ACCOUNT: XXXXXXXXXXXX PROJECT: Q\$Q\$Q\$

LOAD PROT 2/2 FIS295 -1 9AASPA

0-9AASPA*MSG: ATTESA NASTRI

0 A

TIME: 00:00:03.678 IN: 75 OUT: 0 PAGES: 8

INITIATION TIME: 17:14:31-FEB 9,1972

TERMINATION TIME: 17:18:12-FEB 9,1972

DRUN, E

ANNEX B

0ASG,T FIS295,U,PROT

WUSE 01F15295

MSG, W ATTESA NASTRI

FOR, IS CANADA
FOR S8A-02/08-13:21 (00)

MAIN PROGRAM

STORAGE USED: CODE(1) 000201; DATA(0) 002063; BLANK COMMON(2) 000000

EXTERNAL REFERENCES (BLOCK, NAME)

0003 NTRAN
0004 EXIT
0005 NINTR\$
0006 NRDU\$
0007 NIO2\$
0010 NWDU\$
0011 NIO1\$
0012 NSTOP\$

STORAGE ASSIGNMENT (BLOCK, TYPE, RELATIVE LOCATION, NAME)

0001	000116	1L	0000	002007	100F	0000	002010	1001F	0000	002025	1002F	0000	002035	1003F	
0000	002042	1004F	0000	002047	1005F	0001	000110	152G	0001	000110	154G	0001	000074	2L	
0001	000171	206G	0001	000171	210G	0001	000065	4L	0001	000030	5L	0001	000057	6L	
0001	000133	7L	0000	I	002001	1EF	0000	I	001750	INF	0000	I	002002	IR	
0000	I	002005	J	0000	I	002006	K	0000	I	002004	L	0000	I	002000	NTAPE
												0000	I	002003	NUFI

```
00101 1*      DIMENSION IV(1000),INF(6,4)
00103 2*      1000 FORMAT(16I5)
00104 3*      1001 FORMAT(1H1,10X,'PIONEER 8',7X,'MAGNETIC FIELD EXPERIMENT',10X,
00104 4*      A'TAPE',I3,////)
00105 5*      READ(5,1000)NTAPE
00110 6*      WRITE(6,1001)NTAPE
00113 7*      IEF=0
00114 8*      IR=0
00115 9*      NUFI=1
00116 10*     1002 FORMAT(' ***** FILE',I4,' *****')
00117 11*     1003 FORMAT(4(1X2I4,I3,I5,I4,I11,1X))
00120 12*     WRITE(6,1002)NUFI
00123 13*     5    CALL NTRAN(0,2,1000,IV,L,22)
00124 14*     IF(L.EQ.726)GO TO 1
00126 15*     IF(L.EQ.72)GO TO 2
00130 16*     WRITE(6,1004)
00132 17*     1004 FORMAT(' ERRORE DI LETTURA')
00133 18*     CALL EXIT
00134 19*     6    IF(IEF)3,3,4
00137 20*     3    IEF=1
00140 21*     GO TO 5
00141 22*     4    WRITE(6,1005)
00143 23*     1005 FORMAT(// ' END OF TAPE')
00144 24*     CALL EXIT
00145 25*     2    IF(IR)6,6,10
```



1ST RECORD

PIONEER 8

MAGNETIC FIELD EXPERIMENT

TAPE 1

INDEX OF TAPE 1

250000 record incomplete

YEAR	DAY	HOOR	PASS	RECORD LENGTH	LAST WORD OF THE RECORD	2 ND RECORD	3 RD RECORD
*****	FILE	1	*****				
1967	347	19	1	726	3059245067	1967 347 20	1 726 3059247642
1967	347	22	1	726	3159250241	1967 347 23	1 726 3159250188
1967	348	2	1	726	3159246810	1967 348 3	1 726 3059245318
1967	348	6	1	726	3059248109	1967 348 7	1 726 3059248330
1967	348	10	1	726	3159249758	1967 348 11	1 726 3059249442
*****	FILE	2	*****				
1967	348	13	2	726	3159249984	1967 348 14	2 726 3059249322
1967	348	17	2	726	3159249219	1967 348 18	2 726 3059249277
1967	348	20	2	726	250000	1967 348 21	2 726 3059249750
1967	349	0	2	726	3059249928	1967 349 1	2 726 3059250109
1967	349	4	2	726	3159253906	1967 349 5	2 726 159254913
1967	349	7	2	726	3059249851	1967 349 8	2 726 3059250979
1967	349	11	2	726	3059253697		
*****	FILE	3	*****				
1967	349	12	3	726	3059252791	1967 349 13	3 726 3159252085
1967	349	16	3	726	3059249118	1967 349 17	3 726 3059249922
1967	349	20	3	726	3059248020	1967 349 21	3 726 3159239438
*****	FILE	4	*****				
1967	351	10	4	726	250000	1967 351 11	4 726 3059248136
*****	FILE	5	*****				
1967	351	12	5	726	3059247001	1967 351 13	5 726 3059248815
1967	351	16	5	726	3059251219	1967 351 17	5 726 3059252931
1967	351	20	5	726	3059252108	1967 351 21	5 726 250000
1967	351	23	5	726	3059247572	1967 352 0	5 726 3059250422
1967	352	3	5	726	3059249498	1967 352 4	5 726 3059249926
1967	352	7	5	726	3159242046	1967 352 8	5 726 3159239447
1967	352	11	5	726	3059250361	1967 352 12	5 726 250000
*****	FILE	6	*****				
1967	352	12	6	726	250000	1967 352 13	6 726 3059250621
1967	352	16	6	726	3059245717	1967 352 17	6 726 3059240789
1967	352	20	6	726	250000	1967 352 20	6 726 250000
1967	352	23	6	726	3059251776	1967 353 0	6 726 3059248926
1967	353	3	6	726	3059251254	1967 353 4	6 726 3159249683
1967	353	7	6	726	3059250318	1967 353 8	6 726 3059250066
1967	353	11	6	726	250000	1967 353 12	6 726 250000
*****	FILE	7	*****				
1967	353	12	7	726	250000	1967 353 13	7 726 3059254229
1967	353	16	7	726	3059254081	1967 353 17	7 726 3059251961
1967	353	20	7	726	250000	1967 353 20	7 726 250000
1967	353	23	7	726	3059260008	1967 354 0	7 726 3059260165
1967	354	3	7	726	3059248701	1967 354 4	7 726 250000
1967	354	6	7	726	3059251713	1967 354 7	7 726 3059250229
1967	354	10	7	726	250000	1967 354 11	7 726 3059249008
*****	FILE	8	*****				
1967	354	12	8	726	250000	1967 354 13	8 726 3059253620
1967	354	16	8	726	3059251196	1967 354 17	8 726 3059249032
1967	354	20	8	726	3059254936	1967 354 21	8 726 3059256822
1967	355	0	8	726	3059251232	1967 355 1	8 726 3059252235
1967	355	4	8	726	250000	1967 355 4	8 726 250000
1967	355	7	8	726	250000		
1967	347	21	1	726	250000	1967 347 21	1 726 250000
1967	348	0	1	726	3059249709	1967 348 1	1 726 3059247267
1967	348	4	1	726	3059246747	1967 348 5	1 726 3159249194
1967	348	8	1	726	3059249176	1967 348 9	1 726 3159249505
1967	348	12	1	726	3059251177		
1967	348	15	2	726	3059249566	1967 348 16	2 726 3059249454
1967	348	19	2	726	3159249564	1967 348 20	2 726 250000
1967	348	22	2	726	3059249615	1967 348 23	2 726 3059249376
1967	349	2	2	726	3159256008	1967 349 3	2 726 3059255594
1967	349	5	2	726	250000	1967 349 6	2 726 3059252632
1967	349	9	2	726	3059252330	1967 349 10	2 726 3059253434
1967	349	14	3	726	3059252302	1967 349 15	3 726 3059252763
1967	349	18	3	726	3059249389	1967 349 19	3 726 3159247412
1967	349	22	3	726	3059234988		
1967	351	12	4	726	250000		
1967	351	14	5	726	3059252450	1967 351 15	5 726 3059250077
1967	351	18	5	726	3059247510	1967 351 19	5 726 3059249312
1967	351	21	5	726	3059247862	1967 351 22	5 726 3059248559
1967	352	1	5	726	3059250287	1967 352 2	5 726 3059251352
1967	352	5	5	726	3059250044	1967 352 6	5 726 3059242516
1967	352	9	5	726	3159248939	1967 352 10	5 726 3159252313
1967	352	14	6	726	3059244854	1967 352 15	6 726 3059248691
1967	352	18	6	726	3059251480	1967 352 19	6 726 3159251263
1967	352	21	6	726	250000	1967 352 22	6 726 3059249811
1967	353	1	6	726	3059253406	1967 353 2	6 726 250000
1967	353	5	6	726	3059248416	1967 353 6	6 726 3059250586
1967	353	9	6	726	3159249242	1967 353 10	6 726 3159252639
1967	353	14	7	726	3159255304	1967 353 15	7 726 3059252405
1967	353	18	7	726	3059249180	1967 353 19	7 726 3159257500
1967	353	21	7	726	3059245689	1967 353 22	7 726 3059246124
1967	354	1	7	726	3159249650	1967 354 2	7 726 3059250748
1967	354	4	7	726	250000	1967 354 5	7 726 3059254292
1967	354	8	7	726	3059250236	1967 354 9	7 726 3059249545
1967	354	12	7	726	250000		
1967	354	14	8	726	3059251610	1967 354 15	8 726 3159250408
1967	354	18	8	726	3059247106	1967 354 19	8 726 3159251698
1967	354	22	8	726	3259251259	1967 354 23	8 726 3159252520
1967	355	2	8	726	3059250403	1967 355 3	8 726 3059251733
1967	355	5	8	726	3059251602	1967 355 6	8 726 3059251234

1968 105 12	124 726	3059250015	1968 105 13	124 726	3059249939	1968 105 14	124 726	250000	1968 105 15	124 726	250000
1968 105 15	124 726	250000	1968 105 16	124 726	3059249981	1968 105 17	124 726	3159250460	1968 105 18	124 726	3159250797
1968 105 19	124 726	3059250972	1968 105 20	124 726	250000	1968 105 20	124 726	250000	1968 105 21	124 726	3059251349
1968 105 22	124 726	3159249662	1968 105 23	124 726	250000	1968 105 23	124 726	3059248901	1968 106 0	124 726	3159248810
1968 106 1	124 726	3059251144	1968 106 2	124 726	3159250501	1968 106 3	124 726	3059250936	1968 106 4	124 726	3059250912
1968 106 5	124 726	3059250224	1968 106 6	124 726	3059248808	1968 106 7	124 726	3059251093			
*****	FILE 123	*****									
1968 106 8	125 726	3059249811	1968 106 9	125 726	3159250236	1968 106 10	125 726	3059250254	1968 106 11	125 726	3159250068
1968 106 12	125 726	3059250640	1968 106 13	125 726	3059250273	1968 106 14	125 726	250000	1968 106 15	125 726	3159249875
1968 106 16	125 726	250000	1968 106 16	125 726	250000	1968 106 17	125 726	250000	1968 106 17	125 726	250000
1968 106 18	125 726	3059248689	1968 106 19	125 726	3059249802	1968 106 20	125 726	250000	1968 106 22	125 726	250000
1968 106 22	125 726	250000	1968 106 23	125 726	3259249901	1968 107 0	125 726	3059250004	1968 107 1	125 726	3159250029
1968 107 2	125 726	250000	1968 107 2	125 726	250000	1968 107 3	125 726	3159249613	1968 107 4	125 726	3059249920
1968 107 5	125 726	3159249989	1968 107 6	125 726	3059250079	1968 107 7	125 726	3059249673	1968 107 8	125 726	250000
*****	FILE 124	*****									
1968 107 8	126 726	3059249649	1968 107 9	126 726	3059249445	1968 107 10	126 726	3059249415	1968 107 11	126 726	3059249937
1968 107 12	126 726	3159250102	1968 107 13	126 726	3059250360	1968 107 14	126 726	3159250814	1968 107 15	126 726	3059250041
1968 107 16	126 726	3159249688	1968 107 17	126 726	250000	1968 107 17	126 726	250000	1968 107 18	126 726	3159250791
1968 107 19	126 726	59250264	1968 107 19	126 726	250000	1968 107 20	126 726	250000	1968 107 20	126 726	250000
1968 107 22	126 726	250000	1968 107 22	126 726	250000	1968 107 23	126 726	3259250087	1968 108 0	126 726	3059249767
1968 108 1	126 726	250000	1968 108 1	126 726	250000	1968 108 2	126 726	3159249608	1968 108 3	126 726	3159250273
1968 108 4	126 726	3059249334	1968 108 5	126 726	3059250194	1968 108 6	126 726	3059250330	1968 108 7	126 726	3159249966
*****	FILE 125	*****									
1968 108 8	127 726	3059250304	1968 108 9	127 726	3159249470	1968 108 10	127 726	3059249878	1968 108 11	127 726	3059250489
1968 108 12	127 726	3059249917	1968 108 13	127 726	3059250209	1968 108 14	127 726	250000	1968 108 15	127 726	3059249989
1968 108 16	127 726	3159249971	1968 108 17	127 726	3059250056	1968 108 18	127 726	250000	1968 108 18	127 726	250000
1968 108 19	127 726	250000	1968 108 19	127 726	250000	1968 108 20	127 726	250000	1968 108 22	127 726	250000
1968 108 23	127 726	3059249982	1968 109 0	127 726	3159250014	1968 109 1	127 726	3059249996	1968 109 2	127 726	3059249564
1968 109 3	127 726	3159249929	1968 109 4	127 726	250000	1968 109 5	127 726	3059250321	1968 109 6	127 726	250000
1968 109 6	127 726	250000	1968 109 6	127 726	250000	1968 109 7	127 726	3059250007			
*****	FILE 126	*****									
1968 109 8	128 726	250000	1968 109 9	128 726	3059249997	1968 109 10	128 726	3059249916	1968 109 11	128 726	3159249805
1968 109 12	128 726	3059250110	1968 109 13	128 726	3159249754	1968 109 14	128 726	3059249949	1968 109 15	128 726	3059249959
1968 109 16	128 726	3059249989	1968 109 17	128 726	3059250080	1968 109 18	128 726	3059249438	1968 109 19	128 726	3059249973
1968 109 20	128 726	250000	1968 109 20	128 726	250000	1968 109 22	128 726	250000	1968 109 23	128 726	250000
1968 110 0	128 726	3159250678	1968 110 1	128 726	3359250541	1968 110 2	128 726	250000	1968 110 2	128 726	250000
1968 110 3	128 726	3059249822	1968 110 4	128 726	3059250049	1968 110 5	128 726	3059249951	1968 110 6	128 726	3059249987
1968 110 7	128 726	3059249891									
*****	FILE 127	*****									
1968 110 15	129 726	3059249768	1968 110 16	129 726	3059249807	1968 110 17	129 726	250000	1968 110 18	129 726	3059250262
1968 110 19	129 726	3059250323	1968 110 20	129 726	3059249967	1968 110 22	129 726	250000	1968 110 23	129 726	3059250148
1968 111 0	129 726	3159249743	1968 111 1	129 726	3059249817	1968 111 2	129 726	3159249755	1968 111 3	129 726	3059250027
1968 111 4	129 726	3159249954	1968 111 5	129 726	3059250404	1968 111 6	129 726	3159250377	1968 111 7	129 726	3059249896
*****	FILE 128	*****									
1968 111 7	130 726	250000	1968 111 8	130 726	250000	1968 111 9	130 726	3159249761	1968 111 10	130 726	3059249910
1968 111 11	130 726	3159249682	1968 111 12	130 726	3059249969	1968 111 13	130 726	3159249997	1968 111 15	130 726	3159250085
1968 111 16	130 726	3059249981	1968 111 17	130 726	250000	1968 111 17	130 726	250000	1968 111 18	130 726	250000
1968 111 18	130 726	250000	1968 111 19	130 726	3059250057	1968 111 20	130 726	3159250087	1968 111 22	130 726	250000
1968 111 23	130 726	3059249984	1968 112 0	130 726	3159250008	1968 112 1	130 726	3059250003	1968 112 2	130 726	3159250047
1968 112 3	130 726	3059250010	1968 112 4	130 726	3059250027	1968 112 5	130 726	3159250060	1968 112 6	130 726	3059250004
1968 112 7	130 726	3159249998									

END OF TAPE