DATA SET CATALOG #63

Explorer 14 Cosmic Ray A
62-051A-04A 16 tapes

Table of Contents

---

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 This inventory information is now no longer maintained in the DSCs, but is now managed in the inventory part of the NSSDC information system.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

EXPLORER 14

GM + SCINT CR COUNT DATA, ENCYCL TAPES

62-051A-04A

THIS DATA SET HAS BEEN RESTORED. ORIGINALLY IT CONTAINED THREE 9-TRACKS, 800 BPI TAPES WRITEN IN BINARY. THERE IS ONE RESTORED TAPE. D001272 WAS A BAD TAPE. THE DR AND DS TAPES ARE 9-TRACK, 6250 BPI. THE ORIGINAL TAPES WERE CREATED ON A 7094 COMPUTER. THE DR AND DS NUMBERS ALONG WITH CORRESPONDING D NUMBERS AND THE TIME SPANS ARE AS FOLLOWS:

DR#	DS#	D#	FILES	TIME SPAN
DR01792	DS01792	D01227	1	10/02/62 – 10/23/62
		D01228	2	10/23/63 – 11/16/62
		D01230	3	12/11/62 – 12/29/62
		D01231	4	12/29/62 – 01/31/63
		D01232	5	01/13/63 – 02/20/63
		D01233	6	02/20/63 – 03/10/63
DR01792	DS01792	D01234	1	03/10/63 – 03/24/63
		D01235	2	03/24/63 – 04/09/63
		D01236	3	04/09/63 – 04/24/63 (a)
		D01237	4	04/24/63 – 05/09/63
		D01238	5	05/09/63 – 05/25/63
		D01239	6	05/25/63 – 06/08/63
		D01240	7	06/08/63 – 06/25/63
		D01241	8	06/25/63 – 07/13/63
		D01242	9	07/13/63 – 07/28/63
		D01243	10	07/28/63 – 08/11/63

(a) D01236 - read errors on record 768, file 3 and records 383 and 385 file 4.

(a) D01236 - read errors on record 768, file 3 and records 383 and 385, file 4.

(b) D01273 - read error on record 437, file 2

62-051A-04A

EXPLORER 14 COSMIC RAY A

800 BPI, 7-track, Binary, IBM 7094

D# *	C#	FILES	START	STOP
D-01227	C-02103	1	10/03/62	10/03/62
D-01228	C-03838	1	10/23/62	11/16/62
D-01229	C-03839	1	11/16/62	12/11/62
D-01230	C-03840	1	12/11/62	12/29/62
D-01231	C-03841	1	12/29/62	01/31/63
D-01232	C-03842	1	01/31/63	02/20/63
D-01233	C-03843	1	02/20/63	03/10/63
D-01234	C-03844	1	03/10/63	03/24/63
D-01235	C-03845	1	03/24/63	04/09/63
D-01236	C-03846	1	04/09/63	04/24/63
D-01237	C-03847	1	04/24/63	05/09/63
D-01238	C-03848	1	05/09/63	05/25/63
D-01239	C-03849	1	05/25/63	06/08/63
D-01240	C-03850	1	06/08/63	06/25/63
D-01241	C-03851	1	06/25/63	07/13/63
D-01242	C-03852	1	07/13/63	07/28/63
D-01243	C-03853	1	07/28/63	08/11/63

NOTE: Tapes D-01231 and D-01237 were duped from Bob Johnson's dupe and compare program removing the parity errors. Record 1294 was disregarded from tape D-01231 and record 820 was disregarded from D-01237.

D-01227
6/22/73

* These 17 'D' tapes have been sent to the Federal Records Center. Only the 'C' tapes remain in the data center.

Pak

The TRW Technology Center

A division of TRW Systems, Inc.

INTEROFFICE MEMO NO.

TO: J. Johns, J. Kmetz DATE: February 22, 197[illegible]

FROM: R. McDonald

SUBJECT: RED Tape (Explorer , 12 Cosmic Ray A)

DISTRIBUTION:

The following data elements (Ref. attached formats) will be deleted from the standard tape pending your approval.

Word(s)	Field Description
1	Start time of data
2	Start time of data
15	Analog tape number
16	Start time of data
17	Start time of data
18	Start time of data
19	Satellite ID
20, 21	Start time of data
22	Identification sequence

The above words were found as duplicates or thought to be irrelevant.

62-0512-044

S-3 ENCYCLOPEDIA TRACK

TAPE NUMBER	START YEAR	START MONTH	START DAY	START HOUR	END YEAR	END MONTH	END DAY	END HOUR
1. EP 2510	1961	8	10	3	1961	9	3	1
2. EP 2511	1961	8	30	1	1961	9	13	15
3. EP 2512	1961	9	13	16	1961	9	28	22
4. EP 2513	1961	9	28	22	1961	10	13	7
5. EP 2514	1961	10	13	7	1961	10	28	17
6. EP 2515	1961	10	28	17	1961	11	14	4
7. EP 2516	1961	11	14	4	1961	12	6	18

S-3A ENCYCLOPEDIA

TAPE NUMBER	START YEAR	START MONTH	START DAY	START HOUR	END YEAR	END MONTH	END DAY	END HOUR
1. EP 1106	1962	10	2	22	1962	10	23	21
2. EP 1107	1962	10	23	21	1962	11	16	20
3. EP 1108	1962	11	16	20	1962	12	11	15
4. EP 1109	19[illegible]	[illegible]	11	15	1962	12	29	22
5. EP 1110	19[illegible]	[illegible]	29	22	1963	1	31	15
6. EP 1111	1963	1	31	15	1963	2	20	16
7. EP 1112	1963	2	20	16	1963	3	12	9
8. EP 1113	1963	3	12	9	1963	3	24	17
9. EP 1114	1963	3	24	17	1963	4	9	13
10. EP 1115	1963	4	9	13	1963	4	24	14
11. EP 1116	1963	4	24	14	1963	5	9	15
12. EP 1117	1963	5	9	15	1963	5	25	4
13. EP 1118	1963	5	25	4	1963	6	8	4
14. EP 1119	1963	6	8	4	1963	6	25	12
15. EP 1120	1963	6	25	12	1963	7	13	7
16. EP 1121	1963	7	13	7	1963	7	28	12
17. EP 1122	1963	7	28	12	1963	8	11	9

2. OPERATING INFORMATION

2.1 Program Setup

The normal mode for each of the programs in the system is to operate under the FORTRAN II system on an IBM 7094 stand alone computer. The individual program decks are binary object decks which are loaded onto a system tape (A2). If there are any parameter (data) cards, they are placed after the *DATA card which follows the last object deck.

Normal output includes an A3 tape to be listed on a 1403 printer.

2.2 Tape Formats

2.2.1 Encyclopedia Tapes

Format	Words	Variable Name	Field Description
0	1	SORT(1)	Start time of data as follows: Bits S, 1-5 : year of decade Bits 6-11 : month of year Bits 12-17 : day of month Bits 18-23 : hour of day Bits 24-35 : minute
0	2	SORT(2)	Start time of data as follows: Bits S, 1-11 : second of minute Bits 12-35 : ms of second
1	3-7	(NRY(I, 1), I=1,5)	Start time of data as follows:
1	3	NRY(1, 1)	Day of year
1	4	NRY(2,1)	Hour of day
1	5	NRY(3, 1)	Minute of hour
1	6	NRY(4, 1)	Second of minute

VDI (1,1) 1. Day of year

VDI (1,2) 2 Time of day in milliseconds MT: 86400000.

VDI (1,3) Time of day - milliseconds.

(1,4) 13 Satellite ID

(1,5) 14 Station number

(1,6) 23

↓

(1,32)

Format	Words	Variable Name	Field Description
I	7	NRY(5, 1)	Millisecond of second
I	8-12	(NRY(I, 2), I=1, 5)	End time of data as follows:
I	8	NRY(1, 2)	Day of year
I	9	NRY(2, 2)	Hour of day
I	10	NRY(3, 2)	Minute of hour
I	11	NRY(4, 2)	Second of minute
I	12	NRY(5, 2)	Millisecond of second
I	13	ID1	Satellite ID, = 3 for S3, = 13 for S3A
I	14	ID5	Station number
I	15	ID6	Analog tape number
I	16	ID2	Start time of data, month of year
I	17	ID3	Start time of data, day of month
I	18	ID4	Start time of data, year A.D.
A	19	SAT	Satellite ID (S3 or S3A), left adjusted
A	20,21	(AMONTH(1,I), I=1,2)	Start time of data, Julian month of year right adjusted plus blanks
I	22	ISEQ	Identification sequence number
F	23	DD(7)	Satellite height in kilometers or 0
F	24	DD(13)	Satellite magnetic latitude in degrees or 9999
F	25	SUNAN	Sun angle in degrees or 0
F	26	SUNSD	Average sun error in degrees in 0
F	27	PERD	Satellite spin period in seconds or 0
F	28	SDS	Spin period standard deviation in seconds or 0
F	29	PS	Satellite spin rate in RPM or 0
I	30	IERR	Switch for destructive readout: =1 for successful; =2 for not successful

Format	Words	Variable Name	Field Description
F	31-40	(SLTOM(I), I=1, 10)	Sensor look times in minutes
F	41-50	(ASUM(I, I=1, 10)	NASA energy level count sums or 99999
I	51-60	(NAWT(I), I=1, 10)	Number of NASA energy level counts
F	61-70	(AVER(I), I=1, 10)	Averages of NASA energy level counts or 99999.
F	71-80	(AERR(I), I=1, 10)	Errors associated with averages of NASA energy level counts or 99999
I	81-200	(INASA(I), I=1, 120)	NASA readings for constructing NASA energy level counts or 99999
F	201-320	(SLAN(I), I=1, 120)	Sensor look angles in degrees at time of NASA readings
I	321-440	(NADI(I), I=1, 120)	NASA energy level counts or 99999
A	441-560	(INASA(I), I=1, 120)	Flags for the NASA energy level counts, one character left adjusted: N=count not used; *=reconstructed reading used to calculate count
A	561-680	(NASA(I), I=1, 120)	NASA readings, right adjusted with = for missing digit
I	681	IPR	Data content of record: =1 for both NASA and RIDL; =2 for NASA data only; =3 for RIDL data only
A	682-713	(RCOL1(I,1), I=1, 32)	Six low order digits of eight digit RIDL count, in base 4, first transmission with = for missing digit
A	714-745	(RCOL2(I,1), I=1, 32)	Six low order digits of eight digit RIDL count, in base 4, second transmission with = for missing digit
A	746-777	(RCOL1(I,2), I=1, 32)	Two high order digits of eight digit count, in base 4, first transmission, left adjusted with = for missing digit

Format	Words	Variable Name	Field Description
A	778-809	(RCOL2(I, 2), I=1, 32)	Two high order digits of eight digit RIDL count in base 4, second transmission, left adjusted with = for missing digit
I	810-841	(NRCOL3(I), I=1, 32	RIDL counts of 99999
A	842-873	(RCOL3A(I), I=1, 32)	Flags for the RIDL counts, left adjusted: * = the first and second transmission counts differ
F	874	GLAT	Satellite geographic latitude in degrees or 9999
F	875	GLONG	Satellite geographic longitude in degrees or 9999

The tapes are FORTRAN II compatible.

2.4.2 Logbook Tapes

Format	Words	Variable Name	Field Description
I	1	JCNT	The number of encyclopedia records summarized on this logbook tape
A	2-3	(AMONTH(2,I), I=1,2)	Start time of data, month, right adjusted plus blanks
I/I	4-555	(PKLOG(I), I=1, 555)	Integer counts from the logbook data array packed two to a word
F	556-651	((LOG(I, J), I=20, 21), J=1,48)	Averages and errors of the logbook data array
I	652-669	(IHRH(I), IHT(I), I=1,9)	Start time of data, minute of hour, and height of satellite for each encyclopedia record summarized in the logbook record

Format	Words	Variable Name	Field Description
I	670	IDW	Start time of data, day of the month
I	671	IYR	Start time of data, year A. D.
I	672-779	/(NALI(I, J), I=1, 9), J=1, 12)	Individual level one NASA energy level counts
I	780	IHR	Start time of data, hour of day
A	781	TAS	Satellite ID (S3β or S3A), left adjusted

The tapes are FORTRAN II compatible.

3. PROGRAMMING INFORMATION

3.1 Method

The S3, S3A data is transmited from the satellite and recorded at various stations around the globe. The stations record the data on analog tapes. The data on a tape starts when the satellite first comes into the range of the station's receiver and ends when the satellite passes out of this range. During certain time periods, the telemetry data is recorded at more than one station.

Before being processed by the S3, S3A Data Processing System (S3DPS) the data is decommutated and digitized onto seven track magnetic tape. These tapes are known as experimenter tapes, and contain data from only the cosmic ray experiments.

The experimenter tapes consist of records containing thirty-two data frames with each frame containing the time of the data and channels 0, 1, 2, 3, 11. Each file of the tape consists of all data from one receiving station analog tape.

Each encyclopedia record produced consists of data from one 1280 frame telemetry block which contains 120 NASA readings and 32 RIDL readings. Other parameters included for future processing are: sun angle, spin period, sensor look times and angles, definitive orbital data, counts computed from the NASA and RIDL readings, and averages of the various energy level counts with associated statistical information.

NOTE: Frequent references to the system flowchart, Section 3.4, should be made to facilitate understanding of the following description of the system flow.

Output Tapes from S-3 Data

Reduction Program

These tapes were written on an IBM 1620 using a Symbolic Programing System program.* The data is represented on the tape in the same format as it appears internally within the 1620 (i.e. each new field is flagged in the high order position). All of the data is in five minute intervals with the exception of a couple of orbits at the beginning of Tape #1, which are in ten minute increments.

Format

At the beginning of each file there appears a header written alphamerically which is 31 positions in length with a record mark in the 32th position when listed numerically. When translated alphamerically the header spells EXPLORER 12.

The format of a data record is:

Day Number	Hour	Minute	Milliseconds	Field	σ_{field}
1-3	4-5	6-7	8-12	13-22	23-32

Alpha	σ_{alpha}	Psi	σ_{psi}
33-42	43-52	53-62	63-72

Each of the last six variables is written in a ten digit field with the exponent appearing in the last two positions (i.e. .1105510-3=.11.055107.

* density 556 ps.

Output Tapes

At the end of each file there is at least one tape mark depending on whether the orbit* has been completed or not. If the processing of an orbit had to be interupted a single tape mark was put on, but at the end of each orbit two tape marks were put on.

Following is a listing of the tape, giving the beginning and end time in day number, hours and minutes, also the calendar date plus any comments regarding that particular file.

Robert Swazey
Programmer
Magnetic Fields Laboratory
Space Science Center
UNH

* In referring to an orbit I am actually speaking about a half orbit; that is, either the inbound or the outbound pass.

FILE 0001 REC 0001 CH 0256

C-02103

10/2/62 -
10/23/62

Explorer 14

0001	001E530CCCC1	021202260012	000700000605	000623000000
0049	C004230CCCC0	000C26000000	000020000000	000070000000
0097	0000120C0CC0	000002000000	003652000000	620321000000
0145	000090000000	000000000000	000000000000	000000000000
0193	212763400000	212763400000	212763400000	212763400000
0241	212763400000	204640000000	237564000000	211443000000
0289	210502000000	202400000000	000000000000	000006000000
0337	000007000000	000007000000	000007000000	000007000000
0385	205742525252	205735252525	205633333333	205644444444
0433	201755602411	202553726570	202437009347	202435327244
0481	000000000000	303237000000	303237000000	303237000000
0529	303237000000	303237000000	303237000000	303237000000
0577	303237000000	303237000000	303237000000	303237000000
0625	303237000000	303237000000	303237000000	303237000000
0673	303237000000	303237000000	303237000000	303237000000
0721	303237000000	303237000000	303237000000	303237000000
0769	303237000000	303237000000	303237000000	303237000000
0817	051605000000	051533000000	051561000000	051561000000
0865	051764000000	052017000000	052060000000	052123000000
0913	052176000000	052254000000	052303000000	052347000000
0961	052471000000	052471000000	052503000000	052552000000
1009	053002000000	053003000000	053003000000	053006000000
1057	053244000000	053272000000	053320000000	053320000000
1105	053456000000	053513000000	053541000000	053567000000
1153	053647000000	053733000000	054003000000	054032000000
1201	054127000000	606060606060	606060606060	212763400000
1249	212763400000	212763400000	212763400000	606060606060
1297	212763400000	212763400000	212763400000	212763400000
1345	212763400000	212763400000	212763400000	212763400000
1393	606060606060	212763400000	212763400000	212763400000
1441	212763400000	606060606060	606060606060	212763400000
1489	212763400000	212763400000	212763400000	606060606060
1537	212763400000	212763400000	212763400000	212763400000
1585	212763400000	212763400000	212763400000	212763400000
1633	606060606060	212763400000	212763400000	212763400000
1681	212763400000	606060606060	606060606060	212763400000
1729	212763400000	212763400000	212763400000	606060606060
1777	212763400000	212763400000	212763400000	212763400000
1825	212763400000	212763400000	212763400000	212763400000
1873	606060606060	212763400000	212763400000	212763400000
1921	212763400000	303237000000	303237000000	303237000000
1969	303237000000	303237000000	303237000000	303237000000
2017	303237000000	303237000000	303237000000	303237000000
2065	303237000000	303237000000	303237000000	303237000000
2113	303237000000	303237000000	303237000000	303237000000
2161	303237000000	303237000000	303237000000	303237000000
2209	303237000000	303237000000	303237000000	303237000000
2257	000033000000	000026000000	000026000000	000000000000
2305	000035000000	000033000000	000041000000	000043000000
2353	000021000000	000056000000	000027000000	000044000000
2401	000000000000	000000000000	000012000000	000047000000
2449	000032000000	000001000000	000000000000	000003000000
2497	000031000000	000026000000	000026000000	000000000000
2545	000022000000	000035000000	000026000000	000026000000
2593	000027000000	000064000000	000050000000	000027000000
2641	000000000000	606060606060	606060606060	606060606060
2689	606060606060	606060606060	606060606060	606060606060
2737	606060606060	606060606060	606060606060	606060606060
2785	606060606060	606060606060	606060606060	606060606060
2833	606060606060	606060606060	606060606060	606060606060
2881	606060606060	606060606060	606060606060	606060606060
2929	606060606060	606060606060	606060606060	606060606060

D4027 - C2103

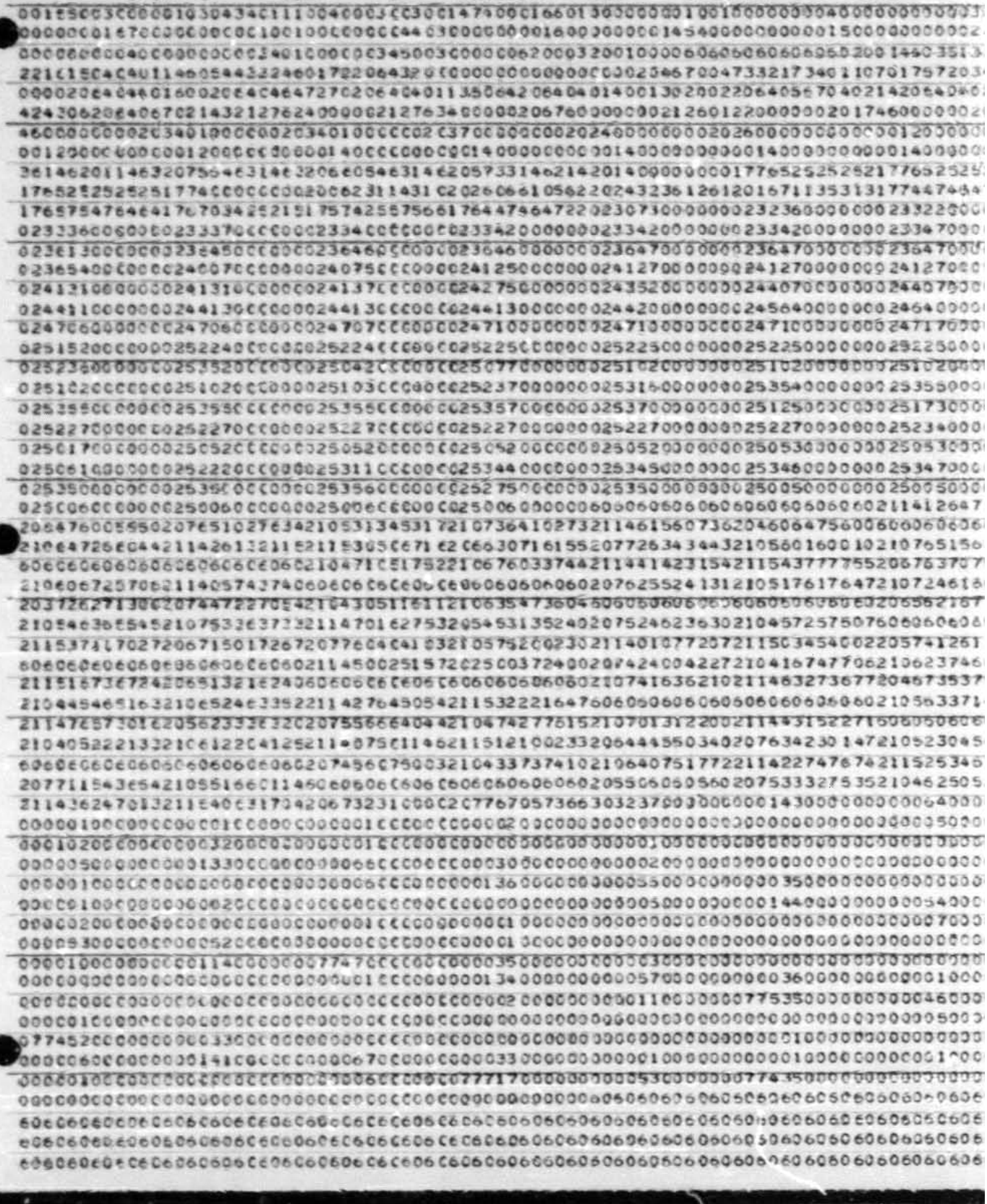
```
FILE 0001 REC 0001 CH 1256
2577 606060606060 606060606060 606060606060 606060606060 606060
3025 606060606060 606060606060 606060606060 606060606060 606060
3073 606060606060 606060606060 606060606060 606060606060 606060
3121 606060606060 606060606060 606060606060 606060606060 606060
3169 606060606060 606060606060 606060606060 606060606060 606060
3217 606060606060 606060606060 606060606060 606060606060 606060
3265 606060606060 606060606060 606060606060 606060606060 606060
3313 606060606060 606060606060 606060606060 606060606060 606060
3361 606060606060 131313131300 131313131300 131313131300 131313
3409 131313131300 131313131300 131313131300 131313131300 131313
3457 131313131300 131313131300 131313131300 131313131300 131313
3505 131313131300 131313131300 131313131300 131313131300 131313
3553 131313131300 131313131300 131313131300 131313131300 131313
3601 131313131300 131313131300 131313131300 131313131300 131313
3649 131313131300 131313131300 131313131300 131313131300 131313
3697 050105060600 050105030300 050105060100 050105060100 050105
3745 050107060400 050200010700 050200060000 050201020300 050201
3793 050201070600 050202050400 050203000300 050203040700 050204
3841 050204070100 050240701000 050205000300 050205050200 050206
3889 050300000200 050300000300 050300000300 050300000600 050300
3937 050302040400 050302070200 050303020000 050303020000 050303
3985 050304050600 050305010300 050305040100 050305060700 050306
4033 050306040700 050307030300 050400000300 050400030200 050400
4081 050401020700 000001000000 000000000300 000000000301 000000
4129 000000000100 000000000100 000000000103 000000000102 000000
4177 000000000002 000000000002 000000000003 000000000001 000000
4225 000000000003 000000000001 000000000001 000000000001 000000
4273 000000000001 000000000001 000000000300 000000000301 000000
4321 000000000100 000000000100 000000000103 000000000102 000000
4369 000000000002 000000000002 000000000003 000000000001 000000
4417 000000000003 000000000001 000000000001 000000000001 000000
4465 000000000001 000000000001 000000000000 000000000000 000000
4513 000000000000 000000000000 000000000000 000000000000 000000
4561 000000000000 000000000000 000000000000 000000000000 000000
4609 000000000000 000000000000 000000000000 000000000000 000000
4657 000000000000 000000000000 000000000000 000000000000 000000
4705 000000000000 000000000000 000000000000 000000000000 000000
4753 000000000000 000000000000 000000000000 000000000000 000000
4801 000000000000 000000000000 000000000000 000000000000 000000
4849 000000000000 000000000000 000014000000 000015000000 000047
4897 000004000000 000004000000 000007000000 000006000000 000004
4945 000002000000 000002000000 000003000000 000001000000 000001
4993 000001000000 000001000000 000001000000 000001000000 000001
5041 000001000000 000001000000 606060606060 606060606060 606060
5089 606060606060 606060606060 606060606060 606060606060 606060
5137 606060606060 606060606060 606060606060 606060606060 606060
5185 606060606060 606060606060 606060606060 606060606060 606060
5233 606060606060 606060606060 000000000000 000000000000
FILE 0001 REC 0002 CH 1256
0001 001553000001 021202260020 007000001017 000423000000 000026
0049 000423000000 000026000000 000024000000 000002000000 000300
0097 000012000000 000002000000 003652000000 620321000000 606060
0145 000000000000 000000000000 000000000000 000000000000 000000
0193 212763400000 212763400000 212763400000 212763400000 212763
0241 212763400000 203500000000 207404000000 210434000000 207570
0289 206740000000 201400000000 000000000000 000003000000 000004
0337 000004000000 000003000000 000003000000 000003000000 000003
0385 205765252525 205660000000 205654000000 205760000000 205600
0433 202401774017 202774335141 202635526272 202514433413 202513
0481 000000000000 055721000000 055744000000 056026000000 056072
0529 056251000000 056251000000 056251000000 056253000000 056265
0577 056474000000 056534000000 056554000000 056555000000 056855
```

```
606060606060  606060606060  606060606060  606060606060  450000000000  606060606060
606060606060  606060606060  606060606060  606060606060  606060606060  606060606060
606060606060  606060606060  606060606060  606060606060  606060606060  606060606060
606060606060  606060606060  606060606060  606060606060  606060606060  606060606060
606060606060  606060606060  606060606060  606060606060  606060606060  606060606060
606060606060  606060606060  606060606060  606060606060  606060606060  606060606060
606060606060  606060606060  606060606060  606060606060  606060606060  606060606060
131313131300  131313131300  131313131300  131313131300  131313131300  131313131300
131313131300  131313131300  131313131300  131313131300  131313131300  131313131300
131313131300  131313131300  131313131300  131313131300  131313131300  131313131300
131313131300  131313131300  131313131300  131313131300  131313131300  131313131300
131313131300  131313131300  131313131300  131313131300  131313131300  131313131300
131313131300  131313131300  131313131300  131313131300  131313131300  131313131300
050105060100  050105060100  050105060100  050105060100  050105060100  050104050200
050105060100  050105060100  050105060100  050105060100  050105060100  050107020700
050200060000  050201020300  050201050100  050201050100  050201050100  050201050500
050203000300  050203040700  050204000500  050204040100  050204070100  050204070100
050205000300  050205050200  050206010400  050206050500  050207010000  050207050000
050300000300  050300000600  050300030000  050301000700  050301050400  050302010300
050303020000  050303020000  050303020000  050303020200  050303050300  050304030400
050305040100  050305060700  050306010600  050306010700  050306010700  050306020000
050400000300  050400030200  050400050200  050401000100  050401020700  050401020700
000000000300  000000000301  000000020103  000000020300  000000010000  000000000102
000000000103  000000000102  000000000100  000000000101  000000000003  000000000003
000000000003  000000000001  000000000001  000000000000  000000000001  000000000001
000000000001  000000000001  000000000001  000000000001  000000000001  000000000001
000000000300  000000000301  000000020103  000000020300  000000010000  000000000102
000000000103  000000000102  000000000100  000000000101  000000000003  000000000003
000000000003  000000000001  000000000001  000000000000  000000000003  000000000001
000000000001  000000000001  000000000001  000000000001  000000000001  000000000001
000000000000  000000000000  000000000000  000000000000  000000000000  000000000000
000000000000  000000000000  000000000000  000000000000  000000000000  000000000000
000000000000  000000000000  000000000000  000000000000  000000000000  000000000000
000000000000  000000000000  000000000000  000000000000  000000000000  000000000000
000000000000  000000000000  000000000000  000000000000  000000000000  000000000000
000000000000  000000000000  000000000000  000000000000  000000000000  000000000000
000014000000  000015000000  000047000000  000054000000  000020000000  000006000000
000007000000  000006000000  000004000000  000005000000  000003000000  000003000000
000003000000  000001000000  000001000000  000000000000  000003000000  000001000000
000001000000  000001000000  000001000000  000001000000  000001000000  000001000000
606060606060  606060606060  606060606060  606060606060  606060606060  606060606060
606060606060  606060606060  606060606060  606060606060  606060606060  606060606060
606060606060  606060606060  606060606060  606060606060  606060606060  606060606060
606060606060  606060606060  606060606060  606060606060  606060606060  606060606060
000000000000  000000000000

007000001017  000423000000  000026000000  000020000000  000070000000  001017000000
000026000000  000002000000  000300000000  000015000000  000003000000  000001000000
003652000000  620321000000  606060606046  236346222561  000002000000  000000000000
000000000000  000000000000  000000000000  000000000000  000001000000  212763400000
212763400000  212763400000  212763400000  212763400000  212763400000  212763400000
207404000000  210434000000  207570000000  207660000000  207654000000  207564000000
000000000000  000003000000  000004000000  000003000000  000003000000  000004000000
000003000000  000003000000  000003000000  201652525252  205404000000  206572525252
205654000000  205760000000  205500000000  177525252525  000000000000  200575476464
202635526272  202514433413  202513005324  202633354610  202512375162  177525252525
055744000000  056026000000  056072000000  056130000000  056160000000  056225000000
056251000000  056253000000  056265000000  056342000000  056405000000  056437000000
056554000000  056555000000  056555000000  056560000000  056604000000  303237000000
```

PARITY ERROR LIST

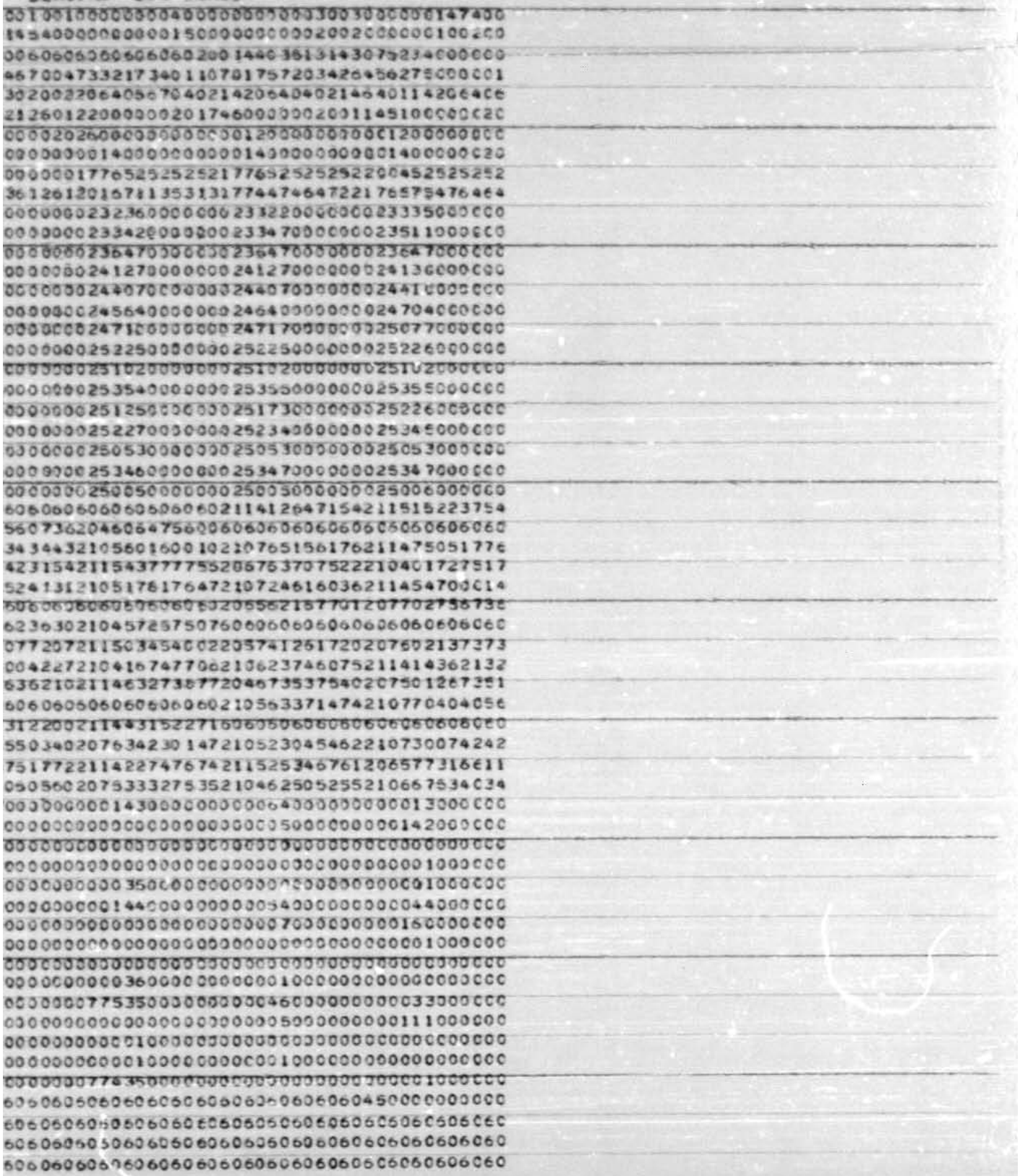
UNIT= 5 FILE= 1 RECORD= 820 LENGTH= 879 WORDS

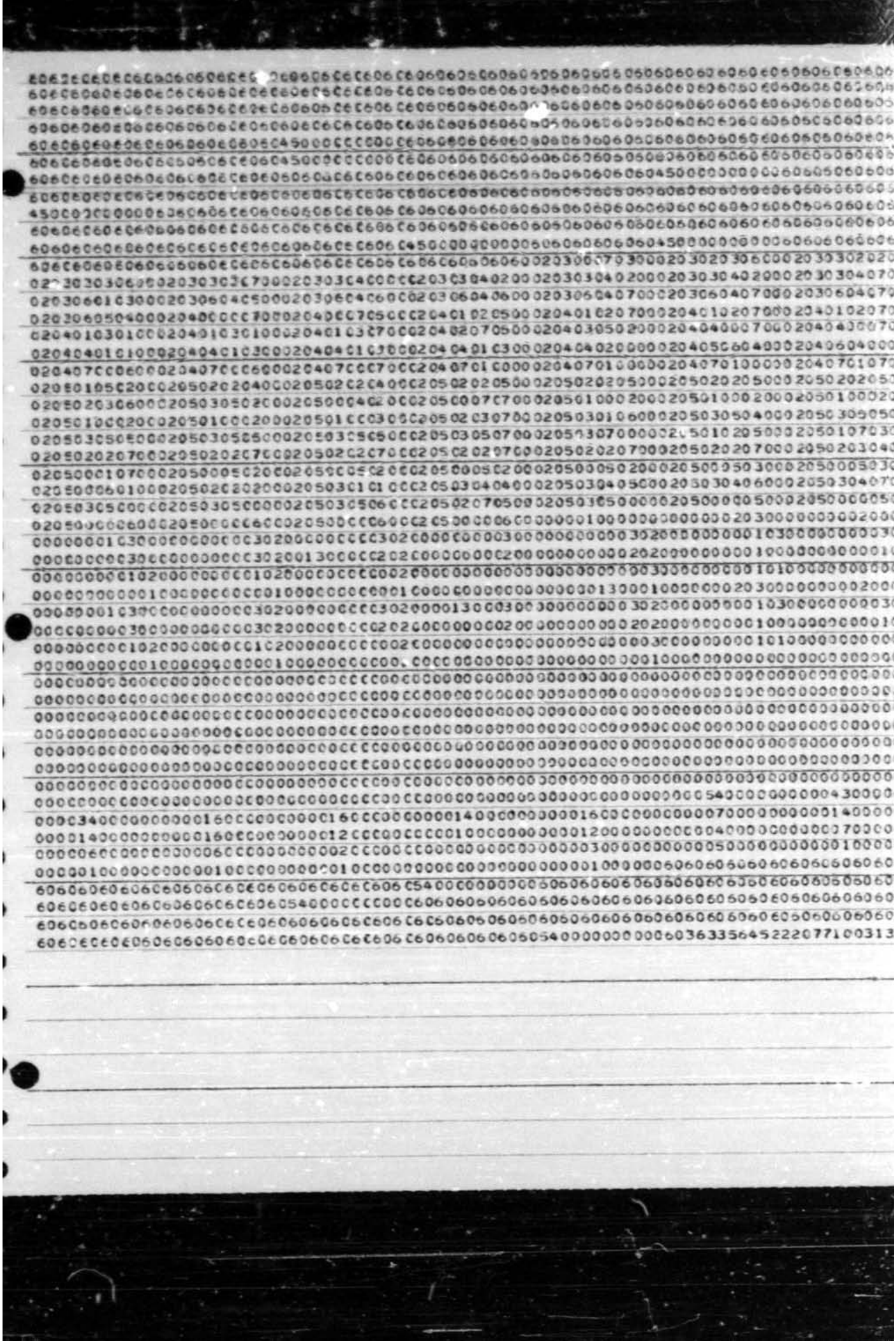


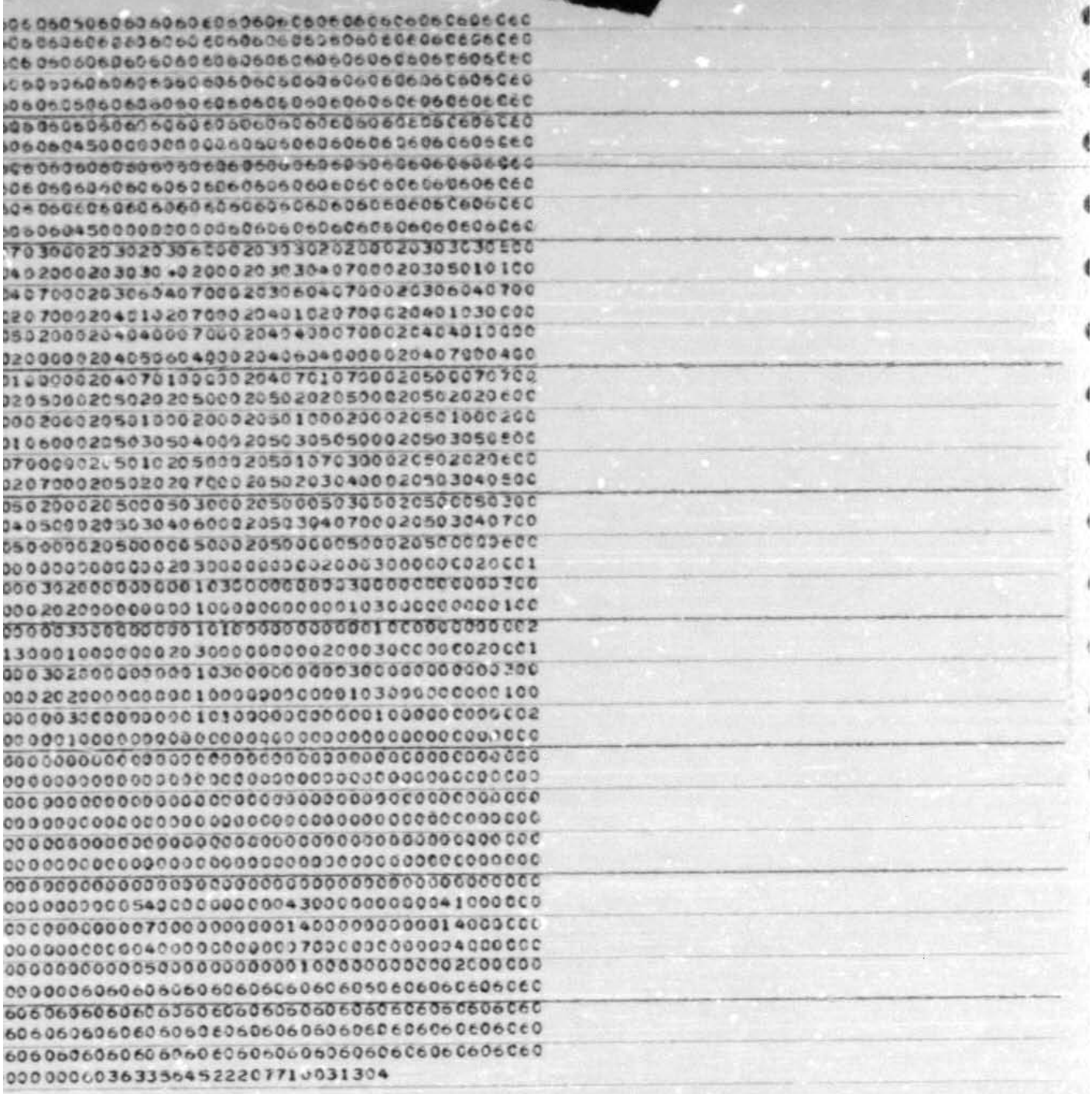
TV ERROR LIST

D-00 1237

LENGTH= 879 WORDS







OUTPUT UNIT FILE AND RECORD HISTORY

UNIT 15 FILE 1 CONTAINS 2823 RECORDS

OUTPUT UNIT 15 CONTAINS 1722.28 FEET OF DATA

TAPE ON INPUT UNIT 5 SUCCESSFULLY DUPED

CRY

RECORDS