

Data Set Catalog # 149

OGO-5, P.H.A. Tapes
68-014A-27A 41 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 This inventory information is now no longer maintained in the DSCs, but is now managed in the inventory part of the NSSDC information system.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.

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

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				

HI-Z, LO-E, C-R COUNT RATES AND PHA DATA

68-014A-27A

THIS DATA SET HAS BEEN RESTORED. ORIGINALLY THERE WERE SIX 7-TRACK, 556 BPI TAPES WRITTEN IN BINARY. THERE ARE TWO RESTORED TAPES. THE DR TAPES ARE 3480 CARTRIDGES AND THE DS TAPES ARE 9-TRACK, 6250 BPI. THE ORIGINAL TAPES WERE CREATED ON A 930 COMPUTER. THE DR AND DS NUMBERS ALONG WITH THE CORRESPONDING D NUMBERS AND THE TIME SPANS ARE AS FOLLOWS:

DR#	DS#	D#	FILES	TIME SPAN
DR004223	DS004223	D006828	1-7	03/05/68 - 11/17/68
		D006829	8-13	11/18/68 - 06/24/69
		D006830	14-20	06/24/69 - 01/30/70
DR004224	DS004224	D006831	1-7	01/31/70 - 12/24/70
		D008551	8-14	12/27/70 - 09/24/71
		D013276	15-16	06/03/72 - 07/14/72

OGO-5

68-014A-27A

E-27-S TAPES

This data set consists of (4) four 556 B.P.I. binary,
7 track tapes and were made on the 7094 computer.
The 'D' numbers were duped to make 'C' numbers and
these were filed in the NSSDC library.

These tapes have a various amount of files. The 'D'
and 'C' numbers are as follows:

<u>D#</u>	<u>C#</u>	<u>START</u>	<u>STOP</u>	<u># of FILES</u>
D-06828	C-05415	3/05/68	11/17/68	7
D-06829	C-05416	11/18/68	6/24/69	6
D-06830	C-05417	6/24/69	1/31/70	7
D-06831	C-05418	1/31/70	12/24/70	11

=

OG0-5

68-014A-27A

PHA DATA

TWC

~~One~~ tape has been added to this data set.

<u>D#</u>	<u>C#</u>	<u># of Files</u>	<u>Start</u>	<u>Stop</u>
D-08551	C-07063	7	Dec. 25, 1970	Sept. 24, 1971
D-13276	C-09911	2	6/3/72	7/14/72

PROCEDURE TO BREAK WORDS INTO BITS
WORD 2 & VERIFY DATE

0002 4547

000 000 000 010 100 101 100 111

11-143

10

10 = 42 1970

~~0000 0000~~
~~0000 0000~~
8421

256 256 256 256 256 256
0101100111

1
2
7
32
64
256

Chap # 359

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*Laboratory for Astrophysics
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Mr. J. Brecht

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NASA

GSFC

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Dear Mr. Brecht:

Enclosed is a description of the S tapes we will send you. It gives only the tape format and a sample listing.

I will send the OGO-A PHDS-OUT tapes next week COD Air freight. Note-- 1 box we cant find yet and will send later.

The Ogo-A PHDS Logs you have. The Data Decom listings were sent this week.

Send me 4 tapes to copy the S tapes onto.

End.

WC.
W. Schroeder
OGO-5 Data Mgr.

July 23, 1971

S Tape Description in Part

W. Schroeder, July 1971

S Tape Description

OGO-5 E-27 S Tapes are standard IBM-compatible 7-channel magnetic tapes recorded with odd(binary) parity at 556 BPI. The description of the contents of the tape uses the following convention:



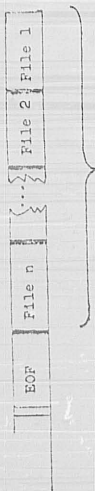
A logical division greater than one physical record.



A logical division corresponding to a physical record boundary.

S Tape

Beginning of Tape

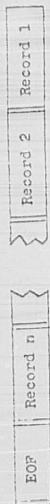


Data Files

number of files variable

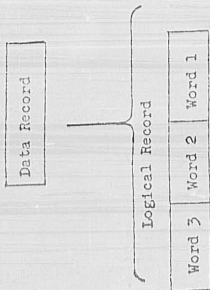
lengths variable

Data File



Data Records(600 words)
number of records variable

Logical Record



200 Logical Records in
each Data Record

Each Logical Record
contains 3-24 bit words

Logical Record Block
3-24 bit words

Word 1:

Bits

- 1-6 Rate corresponding to D1L
- 7-11 Rate corresponding to D1HD2
- 12-15 Rate corresponding to D1HD2
- 16-24 Pulse Height word (dE/dx) Channels 0 to 511.

Word 2:

Bits

- 1-10 Pulse Height word (E) Channels 0 to 1023.
- 11-14 Year
 - Code for determination of year:
 - 8-1968
 - 9-1969
 - 10-1970
 - 11-1971
 - 12-1972
- 15-24 Day

Word 3:

Bits

- 1 Zero
- 2 Zero
- 3 Bits 3 and 7 make up the bit rate
 - 1 kb-bits 3 and 7 are zero
 - 8 kb-bit 3 is on
 - 64 kb-bit 7 is on
 - Playback -bits 3 and 7 are on
- 4 Zero
- 5 Zero
- 6 Zero
- 7 Zero or One
- 8-24 Time in seconds

Listing

S-Tape listing for illustration of what is on S-Tapes.
The following page is a sample printout of items in a
Logical Record. Each line corresponds to a Logical Record.
(Ignore IFG column. Flags allows computation of the bit
rate.)

0605 E-27

LISTING OF S-Tape

YEAR	DAY	SECOND	DIL	D2H2	D1H	PH1	PH2	FLAGS	IFG
1969	185	37867	44	0	0	0	0	001	1
1969	185	37868	25	0	0	0	0	001	1
1969	185	37869	25	0	0	0	0	001	1
1969	185	37920	32	0	0	0	0	001	1
1969	185	37941	34	0	0	0	0	001	1
1969	185	37960	20	0	0	0	0	001	1
1969	185	37975	35	0	0	0	0	001	1
1969	185	37990	40	0	0	0	0	001	1
1969	185	38015	37	0	0	0	0	001	1
1969	185	38030	22	0	0	0	0	001	1
1969	185	38053	34	0	0	0	0	001	1
1969	185	38070	31	0	0	0	0	001	1
1969	185	38089	34	0	0	0	0	001	1
1969	185	38107	29	0	0	0	0	001	1
1969	185	38125	36	0	0	0	0	001	1
1969	185	38144	36	0	0	0	0	001	1
1969	185	38162	35	0	0	0	0	001	1
1969	185	38181	32	0	0	0	0	001	1
1969	185	38199	28	0	0	0	0	001	1
1969	185	38218	41	0	0	0	0	001	1
1969	185	38236	29	0	0	0	0	001	1
1969	185	38254	26	0	0	0	0	001	1
1969	185	38273	27	0	0	0	0	001	1
1969	185	38291	31	0	0	0	0	001	1
1969	185	38310	35	0	0	0	0	001	1
1969	185	38328	32	0	0	0	0	001	1
1969	185	38347	34	0	0	0	0	001	1
1969	185	38365	35	0	0	0	0	001	1
1969	185	38383	32	0	0	0	0	001	1
1969	185	38402	27	0	0	0	0	001	1
1969	185	38420	22	0	0	0	0	001	1
1969	185	38439	39	0	0	0	0	001	1
1969	185	38457	34	0	0	0	0	001	1
1969	185	38476	36	0	0	0	0	001	1
1969	185	38494	38	0	0	0	0	001	1
1969	185	38512	36	0	0	0	0	001	1
1969	185	38531	30	0	0	0	0	001	1
1969	185	38549	42	0	0	0	0	001	1
1969	185	38568	28	0	0	0	0	001	1
1969	185	38586							

AUG 9 1971

Ogo-5 E-27

S-TAPE

An S-tape contains data that is sorted in time order with overlap information and data with logic errors eliminated.

There are two steps in the production of an S-tape. In the first step the Goddard Decom tapes are copied with 10 records combined into 1 to produce CILT tapes. Generally 6 data tapes make up a CILT tape.

In the next step, playback and real-time CILT tapes are read, the data is sorted in time order and data with logic errors or with time overlap information is eliminated. The output is put on an S-tape.

Table 1 gives the logic for retaining or eliminating data.

Table 2 gives the start and end times for files on an S-tape.

Table 1.

Logic table used in making an Ogo 5 E-27 S-TAPE.

Code: 0 for zero value, X for non-zero value.

$D_1 \overline{H} D_2 \overline{D}_3$	$D_1 \overline{H} D_2 \overline{D}_3$	PH1	PH2	RETAIN
0	0	0	0	Yes
X	0	0	0	No
0	X	0	0	No
X	X	0	0	No
0	0	X	0	No
X	0	X	0	No
0	X	X	0	Yes
X	X	X	0	Yes
0	0	0	X	No
X	0	0	X	No
0	X	0	X	No
X	X	0	X	No
0	0	X	X	No
X	0	X	X	Yes
0	X	X	X	No
X	X	X	X	Yes

Table 2

Ogo 5 E-27 S-TAPE start and end times.

S-TAPE RUNS 1-303

FILE	Start Day	Start Year	End Day	End Year
1	65.3326	1968	74.7723	1968
2	74.7923	"	79.7943	"
3	79.7943	"	120.9264	"
4	120.9264	"	172.9289	"
5	172.9289	"	221.8805	"
6	221.8805	"	271.7297	"
7	271.7297	"	322.9438	"

S-TAPE RUNS 304-490

1	322.9438	1968	359.9417	1968
2	359.9417	"	16.9163	1969
3	16.9163	1969	51.5347	"
4	51.5247	"	90.2228	"
5	90.2228	"	125.1965	"
6	125.1965	"	175.9854	"

S-TAPE RUNS 491-650

1	175.9854	1969	212.4148	1969
2	212.4148	"	257.9822	"
3	257.9836	"	284.9348	"
4	284.9382	"	342.9919	"
5	342.9956	"	365.9634	"
6	365.9634	"	19.6743	1970
7	19.6750	1970	31.7734	"

S-TAPE RUNS 651-1027

1	31.7786	1970	33.7498	1970
2	33.7498	"	51.8184	"
3	51.8191	"	55.8643	"
4	55.8657	"	104.3228	"
5	104.3213	"	152.3340	"
6	152.3340	"	172.0298	"
7	172.0317	"	202.9978	"
8	203.0044	"	211.9199	"
9	212.0205	"	259.9995	"
10	260.0095	"	310.9729	"
11	310.9775	"	359.0317	"

Table 2. (continued)

OGO 5 E-27 S-TAPE start and end times. S-Tape RUNS

1028 - 1138

FILE	Start Day	Start Year	End Day	End Year
1	359.0317	1970	19.0078	1971
2	19.0110	1971	67.0256	1971
3	67.0259	1971	125.8767	1971
4	125.8792	1971	127.9941	1971
5	128.0022	1971	191.1540	1971
6	191.1541	1971	237.5803	1971
7	237.5803	1971	267.9290	1971

EOF-PARITY-ERROR TAPE CHECK RUN BEGINS.

AN END-OF-FILE HAS BEEN ENCOUNTERED ON PHYSICAL RECORD NO.	374	OF FILE NO.	1
AN END-OF-FILE HAS BEEN ENCOUNTERED ON PHYSICAL RECORD NO.	230	OF FILE NO.	2
AN END-OF-FILE HAS BEEN ENCOUNTERED ON PHYSICAL RECORD NO.	874	OF FILE NO.	3
AN END-OF-FILE HAS BEEN ENCOUNTERED ON PHYSICAL RECORD NO.	902	OF FILE NO.	4
AN END-OF-FILE HAS BEEN ENCOUNTERED ON PHYSICAL RECORD NO.	735	OF FILE NO.	5
AN END-OF-FILE HAS BEEN ENCOUNTERED ON PHYSICAL RECORD NO.	772	OF FILE NO.	6
AN END-OF-FILE HAS BEEN ENCOUNTERED ON PHYSICAL RECORD NO.	626	OF FILE NO.	7

INPUT TAPE HAS 1902±67 FEET OF DATA

EOF-PARITY-ERROR TAPE CHECK RUN HAS ENDED.

D-6828
C-05415

D-6828
E.O.F. PARITY
CHECK

3/5/1968
11/17/1968

D-6828
C60-5
PHAS OUT
TAPE

0001	13000000000002	0101004772204	14000000000002	0101004772251	0702000020422	010100477273	15000000000002	010100477315
0009	13000000000002	0101004773341	13000000000002	010100477362	13000000000002	010100477405	16000000000002	010100477427
0097	13000000000002	010100477452	10000000000002	010100477474	15000000000002	010100477516	11000000000002	010100477541
0185	04000000000002	010100477605	13000000000002	010100477665	14000000000002	010100477630	11000000000002	010100477653
0193	13000000000002	010100477675	13000000000002	010100477717	13000000000002	010100477742	10000000000002	010100477764
0193	13000000000002	010100500007	14000000000002	010100500031	14000000000002	010100500054	10000000000002	010100500076
0289	12000000000002	010100500120	06000000000002	010100500143	04000000000002	010100500165	11000000000002	010100500210
0337	13000000000002	010100500232	04000000000002	010100500255	11000000000002	010100500277	10000000000002	010100500321
0385	11000000000002	010100500344	07000000000002	010100500366	05000000000002	010100500411	16000000000002	010100500433
0433	12000000000002	010100500455	10001000000002	010100500500	04000000000002	010100500522	16000000000002	010100500536
0481	07000000000002	010100501261	06000000000002	010100501303	11000000000002	010100501352	20000000000002	010100501350
0529	01000000000002	010100501372	14000000000002	010100501415	10000000000002	010100501551	11000000000002	010100501573
0577	07000000000002	010100501504	10000000000002	010100501527	05000000000002	010100501663	12000000000002	010100501705
0625	11000000000002	010100501616	12000000000002	010100501640	11000000000002	010100501774	10001000000002	010100502017
0673	05000000000002	010100501730	12000000000002	010100501752	07000000000002	010100502106	06000000000002	010100502131
0721	04000000000002	010100502041	05001000000002	010100502074	06000000000002	010100502237	10000000000002	010100502242
0769	03000000000002	010100502153	07000000000002	010100502195	10000000000002	010100502277	10000000000002	010100502421
0817	10000000000002	010100502265	11000000000002	010100502354	11000000000002	010100502510	11000000000002	010100502533
0865	10000000000002	010100502443	17000000000002	010100502466	04000000000002	010100502622	10000000000002	010100502644
0913	04000000000002	010100502555	10000000000002	010100502601	04000000000002	010100502734	07000000000002	010100502756
0961	05000000000002	010100502667	07000000000002	010100502711	14000000000002	010100502735	05000000000002	010100503070
1009	06000000000002	010100503001	07000000000002	010100503135	11000000000002	010100503157	11000000000002	010100503202
1057	12000000000002	010100503112	06000000000002	010100503246	07000000000002	010100503271	06000000000002	010100503313
1105	06000000000002	010100503224	07000000000002	010100503360	07000000000002	010100503403	10000000000002	010100503425
1153	13000000000002	010100503336	06000000000002	010100503472	05000000000002	010100503514	05000000000002	010100503537
1201	06000000000002	010100503447	06000000000002	010100503604	10001000000002	010100503626	11000000000002	010100503651
1249	06000000000002	010100503541	03000000000002	010100503715	13000000000002	010100503740	06000000000002	010100503762
1297	05000000000002	010100503673	06000000000002	010100504027	06000000000002	010100504052	12001000000002	010100504074
1345	03000000000002	010100504005	06000000000002	010100504141	06000000000002	010100504162	07000000000002	010100504206
1393	04000000000002	010100504116	06000000000002	010100504233	10000000000002	010100504275	07000000000002	010100504317
1441	13000000000002	010100504230	10000000000002	010100504254	07000000000002	010100504407	10000000000002	010100504431
1489	06000000000002	010100504342	11000000000002	010100504363	07000000000002	010100504520	140010010002	010100504543
1537	05000000000002	010100504454	10000000000002	010100504476	07000000000002	010100504632	12000000000002	010100504655
1585	04000000000002	010100504565	01000000000002	010100504510	06000000000002	010100504744	07000000000002	010100504766
1633	24000000000002	010100504677	06000000000002	010100504721	10000000000002	010100504800	11000000000002	010100505122
1681	14001000000002	010100505033	13000000000002	010100505056	02000000000002	010100505212	12000000000002	010100505234
1729	13000000000002	010100505145	07000000000002	010100505167	05000000000002	010100505324	11000000000002	010100505336
1777	11000000000002	010100505267	10000000000002	010100505301	05000000000002	010100505435	11000000000002	010100505460
1825	11000000000002	010100505370	04000000000002	010100505343	05000000000002	010100505547	07000000000002	010100505571
1873	03000000000002	010100505532	15000000000002	010100505525	07000000000002	010100505651	14000000000002	010100505703
1921	05000000000002	010100505614	11000000000002	010100505636	07000000000002	010100505772	05000000000002	010100505615
1969	10000000000002	010100505726	04000000000002	010100505750	02000000000002	010100505816	12000000000002	010100506127
2017	10000000000002	010100506737	04000000000002	010100506062	16000000000002	010100506100	10000000000002	010100506240
2065	13000000000002	010100506151	05000000000002	010100506173	10000000000002	010100506236	05000000000002	010100506352
2113	12000000000002	010100506263	06000000000002	010100506305	07000000000002	010100506441	10000000000002	010100506464
2161	02000000000002	010100506374	10000000000002	010100506415	04000000000002	010100506553	16000000000002	010100506576
2209	07000000000002	010100506505	01000000000002	010100506531	05000000000002	010100506665	11000000000002	010100506707
2257	12000000000002	010100506620	11000000000002	010100506642	11000000000002	010100506777	120001000002	010100507021
2305	12000000000002	010100506732	12000000000002	010100506754	07000000000002	010100507110	04000000000002	010100507133
2353	06000000000002	010100507043	07000000000002	010100507086	12000000000002			

0001	05000000000002	010100507155	07000000000002	010100507200	05000000000002	010100507232	11000000000002	010100507244
0049	10001000000002	010100507267	12000000000002	010100507311	06000000000002	010100507334	03000000000002	010100507356
0097	06000000000002	010100507401	16000000000002	010100507437	21001000000002	010100507445	11000000000002	010100507470
0145	12000000000002	010100507512	07000000000002	010100507535	01000000000002	010100507557	04000000000002	010100507602
0193	05000000000002	010100507624	12000000000002	010100507646	05000000000002	010100507671	05000000000002	010100507713
0241	13000000000002	010100507736	11000000000002	010100507759	05000000000002	010100507803	10000000000002	010100507825
0289	11000000000002	010100507847	10000000000002	010100507872	07000000000002	010100507914	04000000000002	010100507936
0337	05000000000002	010100507961	07000000000002	010100508015	03000000000002	010100508026	06000000000002	010100508048
0385	03000000000002	010100508123	05000000000002	010100508135	12000000000002	010100508145	05000000000002	010100508166
0433	12001000000002	010100508195	04000000000002	010100508241	10000000000002	010100508363	13000000000002	010100508385
0481	07000000000002	010100508316	02000000000002	010100508351	12000000000002	010100508475	11000000000002	010100508497
0529	07000000000002	010100508335	11000000000002	010100508364	20000000000002	010100508407	11000000000002	010100508429
0577	05000000000002	010100508379	11000000000002	010100508407				

0625	120000000002	010100511054	070000000002	010100511076	050000000002	010100511120	070000000002	010100511143
0673	110000000002	010100511165	030000000002	010100511219	010000000002	010100511230	020000000002	010100511233
0721	110000000002	010100511277	050000000002	010100511307	020000000002	010100511344	100000000002	010100511366
0769	140000000002	010100511417	110000000002	010100511433	150000000002	010100511456	100000000002	010100511480
0817	060000000002	010100511523	070000000002	010100511545	100000000002	010100511567	070000000002	010100511612
0865	110000000002	010100511634	060000000002	010100511657	100000000002	010100511701	040000000002	010100511724
0913	130000000002	010100511745	120000000002	010100511770	130000000002	010100512013	130710000002	010100512035
0961	130000000002	010100512060	110000000002	010100512102	130000000002	010100512125	120000000002	010100512147
1009	020000000002	010100512171	070000000002	010100512214	130000000002	010100512236	040000000002	010100512261
1057	140000000002	010100512303	110000000002	010100512326	070000000002	010100512350	060000000002	010100512372
1105	070000000002	010100512415	110000000002	010100512437	140000000002	010100512462	120000000002	010100512504
1153	050000000002	010100512527	010000000002	010100512551	070000000002	010100512573	040000000002	010100512616
1201	110000000002	010100512640	110000000002	010100512663	150000000002	010100512705	120000000002	010100512730
1249	110000000002	010100512752	020000000002	010100512774	070000000002	010100513017	100000000002	010100513041
1297	070000000002	010100513064	060000000002	010100513106	050000000002	010100513131	050000000002	010100513153
1345	070000000002	010100513176	070000000002	010100513220	060000000002	010100513242	020000000002	010100513265
1393	060000000002	010100513307	150000000002	010100513332	100000000002	010100513354	120000000002	010100513377
1441	060000000002	010100513421	050000000002	010100513443	060000000002	010100513466	110000000002	010100513510
1489	030000000002	010100513533	110000000002	010100513555	120000000002	010100513600	150000000002	010100513622
1537	060000000002	010100513644	060000000002	010100513667	110010000002	010100513711	120000000002	010100513734
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1729	060000000002	010100514313	060000000002	010100514336	170000000002	010100514360	060000000002	010100514443
1777	120000000002	010100514435	100000000002	010100514447	060000000002	010100514472	100000000002	010100514514
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1969	030000000002	010100515074	040000000002	010100515116	100000000002	010100515141	050000000002	010100515163
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0889	020000000002	010100515463	000000000002	010100515466	000000000002	010100515470	020000000002	010100515472
0937	000000000002	010100515476	010000000002	010100515477	010000000002	010100515501	000000000002	010100515504
0985	010000000002	010100515505	010000000002	010100515510	010000000002	010100515513	010000000002	010100515515
1033	010000000002	010100515517	000000000002	010100515521	020000000002	010100515524	000000000002	010100515526
1081	120000000002	010100515533	010000000002	010100515533	000000000002	010100515535	010000000002	010100515537
1129	000000000002	010100515542	000000000002	010100515544	000000000002	010100515546	020000000002	010100515550
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1225	030000000002	010100515575	000000000002	010100515580	000000000002	010100515602	000000000002	010100515604
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1561	010000000002	010100515676	010000000002	010100515670	000000000002	010100515702	000000000002	010100515705
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1753	000000000002	010100515743	000000000002	010100515745	010000000002	010100515747	000000000002	010100515752
1801	000000000002	010100515754	000000000002	010100515757	000000000002	010100515760	020000000002	010100515763
1849	000000000002	010100515764	000000000002	010100515767	000000000002	010100515772	010000000002	010100515774
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FILE 0001 REC 0003 CH 2400

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1441	00000000000002	010110116021	00000000000002	010110116023	01000000000002	010110116025	00000000000002	010110116027
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1537	03000000000002	010110116043	02000000000002	010110116045	00000000000002	010110116050	00000000000002	010110116052
1585	01000000000002	010110116054	00000000000002	010110116057	00000000000002	010110116061	00000000000002	010110116063
1633	01000000000002	010110116066	01000000000002	010110116070	00000000000002	010110116072	00000000000002	010110116074
1681	00000000000002	010110116077	01000000000002	010110116101	01000000000002	010110116103	00000000000002	010110116106
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1873	00000000000002	010110116144	01000000000002	010110116146	03000000000002	010110116150	00000000000002	010110116153
1921	01000000000002	010110116155	01000000000002	010110116157	00000000000002	010110116161	03000000000002	010110116164
1969	01000000000002	010110116166	01000000000002	010110116170	01000000000002	010110116173	01000000000002	010110116175
2017	01000000000002	010110116177	00000000000002	010110116202	00000000000002	010110116204	00000000000002	010110116206
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2209	01000000000002	010110116244	01000000000002	010110116246	03000000000002	010110116251	00000000000002	010110116253
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2305	02000000000002	010110116267	02000000000002	010110116271	02000000000002	010110116273	00000000000002	010110116276
2353	01000000000002	010110116300	00000000000002	010110116302	00000000000002	010110116304	02000000000002	010110116307

FILE 0001 REC 0004 C 7405

0631	00000000000002	010110116311	00000000000002	010110116313	00000000000002	010110116316	00000000000002	010110116320
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0145	00000000000002	010110116345	00000000000002	010110116347	00000000000002	010110116351	02000000000002	010110116354
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0241	00000000000002	010110116367	00000000000002	010110116371	01000000000002	010110116374	00000000000002	010110116376
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0529	00000000000002	010110116456	03000000000002	010110116461	00000000000002	010110116463	00000000000002	010110116465
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0625	00000000000002	010110116501	01000000000002	010110116503	00000000000002	010110116505	00000000000002	010110116510
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0721	01000000000002	010110116523	02000000000002	010110116526	01000000000002	010110116530	00000000000002	010110116532
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0817	03000000000002	010110116546	01000000000002	010110116550	00000000000002	010110116552	00000000000002	010110116555
0865	01000000000002	010110116557	00000000000002	010110116561	01000000000002	010110116563	00000000000002	010110116566
0913	00000000000002	010110116565	01000000000002	010110116569	03000000000002	010110116575	01000000000002	010110116577
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1009	03000000000002	010110116613	00000000000002	010110116615	00000000000002	010110116617	04000000000002	010110116621
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1105	02000000000002	010110116635	02000000000002	010110116637	00000000000002	010110116642	01000000000002	010110116644
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1345	00000000000002	010110116713	00000000000002	010110116715	01000000000002	010110116720	00000000000002	010110116722
1393	01000000000002	010110116724	01000000000002	010110116727	01000000000002	010110116731	01000000000002	010110116733
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1777	01000000000002	010110117035	02000000000002	010110117046	01000000000002	010110117052	01000000000002	010110117056
1825	00000000000002	010110117047	02000000000002	010110117052	00000000000002	010110117067	00000000000002	010110117072
1873	01000000000002	010110117059	02000000000002	010110117065	02000000000002	010110117101	00000000000002	010110117103
1921	01000000000002	010110117074	01000000000002	010110117075	00000000000002	010110117107	01000000000002	010110117109
1969	00000000000002	010110117105	00000000000002	010110117107	01000000000002	010110117112	01000000000002	010110117114
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FILE 0001 REC 0002 CH 2400

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0625	130000000003	030100224737	730400020323	030100225506	410000000003	030100225531	560000000003	030100226055
0673	130000000003	030100226300	600000000003	030100226523	200000000003	030100226747	620000000003	030100227176
0721	170000000003	030100227616	710000000003	030100227641	140010050003	030100230065	600000000003	030100230310
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0817	250000000003	030100231651	540000000003	030100232075	320210010003	030100232320	450000000003	030100232564
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0913	150000000003	030100234331	430000000003	030100234554	710010030003	030100235523	770020010003	030100235646
0961	340000000003	030100235672	010000000003	030100236115	130000000003	030100236341	420000000003	030100237702
1009	450010020003	030100237010	520010710003	030100237233	060000000003	030100237457	600000000003	030100241243
1057	470020020003	030100240125	310200040223	030100240574	000000000003	030100242116	250011130003	030100242361
1105	710010050003	030100241467	250000000003	030100241712	060000000003	030100242354	140000000003	030100243477
1153	110000000003	030100242605	620010040003	030100243030	050000000003	030100244371	050200010257	030100244615
1201	110000000003	030100243722	310000000003	030100244146	320000000003	030100245507	640000000003	030100245733
1249	020000000003	030100245040	610000000003	030100245264	030100245692	030100246625	230000000003	030100247050
1257	760010010003	030100246156	000400030217	030100247571	060000000003	030100247743	550000000003	030100250166
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1441	640000000003	030200000730	120000000003	030200002271	260000000003	030200002514	550000000003	030200002740
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1585	110000000003	030200004381	760000000003	030200005642	010000000003	030200006066	550000000003	030200006311
1633	170030030003	030200005411	530200000003	030200006760	270000000003	030200007204	540000000003	030200007427
1681	720000000003	030200006535	500010040003	030210416131	530000000003	030210416354	240000000003	030200007657
1729	170000000003	030210417023	550020010003	030210417246	040000000003	030210417472	410210030003	030200007715
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2353	760010060003							
FILE 0001 REC 0003 CH 2400								
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0145	050000000003	030200125400	110000000003	030200125624	310000000003	030200126047	660010010003	030200126273
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0529	420000000003	030200202573	520000000003	030200203017	310000000003	030200204135	020030010003	030200204360
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0721	450010040003	030200212411	110200010003	030200213060	670000000003	030200213303	040010020003	030200213526
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1681	440020050003	030300047567	1200000000003	030300051130	670010070003	030300050236	41020030133	030300050461
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1921	4300000000003	030300056023	6600000000003	030300056515	0000000000003	030300056537	1300000000003	030300056562
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0481	4500330010003	030400040076	350000000003	030400040721	320620010003	030400040743	250010010003	030400041033
0529	600000000003	030400041055	670010010003	030400041077	140000000003	030400041122	500000000003	030400041144
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2209	520000000003	030400047532	220000000003	030400047554	200000000003	030400047577	230000000003	030400047610
2257	160000000003	030400047644	740210020003	030400047666	410000000003	030400047688	610010050003	0304000410045
2305	460000000003	030400041067	570000000003	0304000410134	520000000003	0304000410157	320000000003	0304000410201
2353	420020120003	030400041023	740000000003	0304000410246	100010040003	0304000410270	760010110003	0304000410313

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0001	240000000003	0304000410335	740000000003	0304000410360	750000000003	0304000410536	030000000003	0304000410561
0049	220000000003	0304000410603	760010030003	0304000410672	010000000003	0304000410715	7100010430003	0304000410737
0097	770030030003	0304000410762	770000000003	030400041004	440010130003	0304000411026	710000000003	0304000411073
0145	760000000003	0304000411227	300000000003	0304000411252	450010030003	0304000411274	310000000003	0304000411317

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0193	650000000003	030400411341	010010370003	030400411430	010010010003	030400411453	520000000003	030400411475
0241	710010010003	030400411520	350010430003	030400411542	470040140003	030400411565	470010010003	030400412010
0289	400000000003	030400412077	000010000003	030400412234	150000000003	030400412435	130010010003	030400412457
0337	150010030003	030400412524	050000000003	030400412613	100220020517	030400412636	470020010003	030400412660
0385	400010010003	030400412702	350000000003	030400412725	300000000003	030400412772	600010040003	030400413014
0433	160000000003	030400413126	510010060003	030400413150	330000000003	030400413173	260000000003	030400413215
0481	710030020003	030400413240	300000000003	030400413262	210000000003	030400413305	660000000003	030400413287
0529	310020050003	030400413351	360020010003	030400413374	760030050003	030400413384	710000000003	030400413642
0577	000000000003	030400413664	320010029003	030400413707	100010010003	030400413776	350000000003	030400414020
0625	230000000003	030400414065	230000000003	030400414100	000020010003	030400414132	360010160003	030400414154
0673	670000000003	030400414333	630010030003	030400414355	360000000003	030400414400	040020020003	030400414422
0721	150000000003	030400414445	140000000003	030400414534	360000000003	030400414557	510020010003	030400414501
0769	170020010003	030400414623	260000000003	030400414645	200000000003	030400414670	720000000003	030400414713
0817	740010010003	030400415005	120000000003	030400415047	500220010003	030400415071	660000000003	030400415114
0865	500030010003	030400415135	260000000003	030400415203	250000000003	030400415225	070000000003	030400415259
0913	730000000003	030400415272	420000000003	030400415337	300000000003	030400415362	34002010003	030400415473
0961	750000000003	030400415540	260000000003	030400415563	500000000003	030400415605	250000000003	030400415627
1009	370000000003	030400415717	430010010003	030400415741	150000000003	030400415764	520000000003	030400416030
1057	410010020003	030400416053	550010010003	030400416075	750010020003	030400416120	260000000003	030400416232
1105	600010060003	030400416254	430020100003	030400416276	610000000003	030400416321	000030070003	030400416343
1153	610010020003	030400416366	170000000003	030400416433	210010030003	030400416455	230000000003	030400416477
1201	200010030003	030400416522	470010010003	030400416544	340000000003	030400416567	340020070003	030400416745
1249	300000000003	030400416770	140000000003	030400417012	700000000003	030400417035	560010010003	030400417057
1297	650000000003	030400417101	130010120003	030400417124	430000000003	030400417146	41002010003	030400417213
1345	050000000003	030400417236	710000000003	030400417260	520000000003	030400417302	450010130003	030400417437
1393	720010050003	030400417461	370000000003	030400417503	20200030157	030400417526	460000000003	030400417550
1441	110000000003	030400417640	060010020003	030400417662	330000000003	030400417705	230020040003	030400417727
1489	200010040003	030400417751	640020050527	030400417774	640000000003	030400420152	610000000003	030400420175
1537	430000000003	030400420217	040000000003	030400420242	760000000003	030400420264	160000000003	030400420307
1585	070000000003	030400420331	510000000003	030400420353	00620020257	030400420376	700010160003	030400420420
1633	040000000003	030400420465	160000000003	030400420577	200000000003	030400420566	660000000003	030400420733
1681	400000000003	030400421022	720000000003	030400421045	670010020003	030400421067	600010040003	030400421112
1729	660000000003	030400421157	070000000003	030400421335	320000000003	030400421360	160000000003	030400421402
1777	440010040003	030400421447	760000000003	030400421471	730000000003	030400421514	630000000003	030400421536
1825	560000000003	030400421561	750000000003	030400421603	450000000003	030400421625	140000000003	030400421650
1873	660010030003	030400421672	600010020003	030400422051	350000000003	030400422116	550000000003	030400422140
1921	100000000003	030400422163	720000000003	030400422205	600000000003	030400422227	030000000003	030400422252
1969	760000000003	030400422274	770000000003	030400422317	400000000003	030400422341	130200020037	030400422364
2017	110000000003	030400422406	070000000003	030400422475	040000000003	030400422542	300000000003	030400422535
2065	250010040003	030400422607	120000000003	030400422632	710200020217	030400422654	300000000003	030400422743
2113	500000000003	030400422766	030000000003	030400423033	110000000003	030400423055	600000000003	030400423077
2161	630010030003	030400423256	000000000003	030400423303	110000000003	030400423323	610000000003	030400423345
2209	050000000003	030400423370	500010070003	030400423412	740000000003	030400423435	660000000003	030400423457
2257	750010020003	030400423501	010010020003	030400423524	360000000003	030400423702	460000000003	030400423774
2305	110000000003	030400423772	610000000003	030400424014	600010010003	030400424126	410000000003	030400424150
2353	450000000003	030400424173	620000000003	030400424215	320020020237	030400424240	370000000003	030400424262

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0001	140200020137	030400424305	150000000003	030400424441	030000000003	030400424463	310000000003	030400424506
0049	400000000003	030400424530	160000000003	030400424552	040000000003	030400424575	110000000003	030400424617
0097	430000000003	030400424664	160000000003	030400424707	140010010003	030400424731	340210030003	030400424753
0145	140100070003	030400424776	100000000003	030400425154	540010030003	030400425173	030400425400	030400425646
0193	430000000003	030400425679	270010010003	030400425713	600000000003	030400425735	070000000003	030400425760
0241	110000000003	030400425047	260000000003	030400425773	320000000003	030400426114	010000000003	030400426136
0289	740000000003	030400426161	220010070003	030400426203	610010040003	030400426362	750000000003	030400426404
0337	320000000003	030400426426	210000000003	030400426451	370020037107	030400426473	120000000003	030400426516
0385	250010040003	030400426540	270010020003	030400426563	040200020233	030400426605	700000000003	030400426627
0433	750000000003	030400426652	640010010003	030400426674	260000000003	030400427053	740000000003	030400427075
0481	200000000003	030400427120	500000000003	030400427142	540000000003	030400427232	470000000003	030400427254
0529	170010040003	030400427343	410000000003	030400427366	050010040003	030400427544	200000000003	030400427567
0577	260010010003	030400427611	520000000003	030400427634	630000000003	030400427656	770000000003	030400427700
0625	300000000003	030400427745	040000000003	030400427770	330020070003	030400430035	300000000003	030400430057
0673	430010060003	030400430101	270000000003	030400430260	460000000003	030400430302	510010010003	030400430325

FILE 0001 REC 0008 CH 2400

0721 040000000000	030400430347	330010040003	030400430437	420000000003	030400430461	030000000003	030400430503
0759 750000000000	030400430526	510010030003	030400430550	330000000003	030400430573	110000000003	030400430615
0817 770000000000	030400430751	570010010003	030400430774	210010140003	030400431016	700000000003	030400431063
0865 500000000000	030400431152	530000000003	030400431175	270000000003	030400431242	600010010003	030400431307
0913 610000000000	030400431465	740010020003	030400431510	630010020003	030400431532	630000000003	030400431554
0961 100000000000	030400431621	130000000003	030400431644	460010040003	030400431666	070000000003	030400431711
1009 100210030003	030400431733	450000000003	030400431755	020010070003	030400432000	410010070003	030400432156
1057 350000000003	030400432201	130010030003	030400432223	540000000003	030400432246	660010030003	030400432335
1105 120000000003	030400432360	260000000003	030400432402	410020010003	030400432424	110010030003	030400432447
1153 410000000003	030400432471	250000000003	030400432514	500000000003	030400432650	300020020003	030400432672
1201 400000000003	030400432715	310020010003	030400432737	140010010003	030400432762	160010010003	030400433004
1249 070010050003	030400433051	350010040003	030400433073	550000000003	030400433116	460000000003	030400433140
1297 750010010003	030400433205	030010020003	030400433364	640010010003	030400433406	110000000003	030400433430
1345 440000000003	030400433453	000000000003	030400433520	350010050003	030400433542	350010020003	030400433565
1393 230000000003	030400433607	210000000003	030400433632	220020020003	030400433654	020000000003	030400433676
1441 260000000003	030400433721	550010030003	030400434256	020030040003	030400434300	370010020003	030400433623
1489 770200020207	030400434370	730000000003	030400434412	650000000003	030400434571	020000000003	030400434613
1537 150020020003	030400434636	060000000003	030400434660	160010050003	030400434702	500010010003	030400434725
1585 740000000003	030400434747	650000000003	030400434772	000010010003	030400435014	520010010003	030400435037
1633 540000000003	030400435061	330000000003	030400435103	360020510003	030400435126	050010020003	030400435305
1681 660000000003	030400435327	340040020003	030400435351	110010040003	030400435441	720010020003	030400435575
1729 770010070003	030400435505	3300100410003	030400435530	010010050003	030400435552	210010020003	030400436065
1777 150020010003	030400435617	560010040003	030400435776	440010010003	030400436043	220010010003	030400436244
1825 260000000003	030400436154	200030010003	030400436177	660000000003	030400436221	550020020003	030400436512
1873 310010030003	030400436266	230000000003	030400436311	300010020003	030400436467	070000000003	030400436670
1921 570010010003	030400436534	760000000003	030400436556	700000000003	030400436546	010010050003	030400437002
1969 000010010003	030400436713	260000000003	030400436735	320000000003	030400436760	010020040003	030400437272
2017 270010260003	030400437024	210020010003	030400437161	070220020557	030400437250	750000000003	030400437574
2065 400010320003	030400437362	620200130037	030400437404	640000000003	030400437516	140010020003	030400440053
2113 220000000003	030400437717	440020010003	030400437741	620000000003	030400437764	270000000003	030400440165
2161 710000000003	030400440075	160020020003	030400440120	060020020003	030400440142	340010010003	030400440410
2209 7400200110003	030400440207	460010020003	030400440232	060020010003	030400440366	440030130003	030400440567
2257 340000000003	030400440433	170030040003	030400440455	470010030003	030400440544	270000000003	030400440700
2305 250000000003	030400440511	510010030003	030400440634	230020020003	030400440656	250000000003	030400440700
2353 440010020003	030400441101	570000000003	030400441124	110000000003	030400441146	350020020003	030400441250
FILE 0001 REC 0009 CH 0336	030400441302	140010050003	030400441325	630020030003	030400441347	360000000003	030400441372
0001 110000000003	030400441573	250010010003	030400441640	640000000003	030400517412	610000000003	030400517434
0049 320220020067	030400517457	000010060003	030400517501	750000000003	030400517546	160010020003	030400517570
0057 400010020003	030400517633	370000000003	030400517635	010020040003	030400517650	620000000003	030400520103
0145 350010030003	030400517613	500020020003	030400520150	560010130003	030400521611	110200030177	030400521534
0193 040020050003	030400520126	040010020003	030400521601	700030010003	030400521623	500000000003	030400522002
0241 750020030003	030400521556	440000000003	030400522047	210010020003	030400522160	660000000003	030400522203
0289 210011002003							

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