

DATA SET CATALOG #69

Explorer 34
LOW ENERGY TELESCOPE

67-051A-01A

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 This inventory information is now no longer maintained in the DSCs, but is now managed in the inventory part of the NSSDC information system.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

IMP-F

REDUCED COUNT RATES ON TAPE

67-051A-01A

THIS DATA SET HAS BEEN RESTORED. ORIGINALLY THERE WERE 33 7-TRACK, 800 BPI TAPES WRITTEN IN BINARY. THERE IS ONE RESTORED TAPE. THE DR AND DS TAPES ARE DLT AND WERE REPACKED DURING THE RESTORATION PROCESS. THERE ARE 6 DIFFERENT DATA SETS ON THIS DR/DS TAPE, FOR A TOTAL OF 6,712 FILES. ONLY FILES 1517-1615 ARE THIS DATA SET. THE ORIGINAL TAPES WERE CREATED ON A GE/635 COMPUTER. EACH TAPE CONTAINS A HEADER AND TRAILER FILE PLUS A FILE ON TELEMETRY AND ORBITAL INFORMATION. EACH LOGICAL RECORD IS EITHER A 21 WORD ORBITAL RECORD OR AN 11 WORD TELEMETRY RECORD. THE DR AND DS NUMBER ALONG WITH THE D NUMBERS AND TIME SPANS ARE AS FOLLOWS:

DR#	DS#	DD#	FILES	TIME SPAN
DR006264	DS006264	DD005809	1517-1519	05/24/67 - 06/14/67
		DD005810	1520-1522	06/14/67 - 07/06/67
		DD005811	1523-1525	07/06/67 - 07/28/67
		DD005812	1526-1528	07/28/67 - 08/19/67
		DD005813	1529-1531	08/19/67 - 09/09/67 (a)
		DD005814	1532-1534	09/09/67 - 10/01/67 (b)
		DD005815	1535-1537	10/01/67 - 10/23/67 (c)
		DD005816	1538-1540	10/23/67 - 11/13/67
		DD005817	1541-1543	11/13/67 - 12/01/67 (d)
		DD005818	1544-1546	12/01/67 - 12/22/67
		DD005819	1547-1549	12/22/67 - 01/09/68
		DD005820	1550-1552	01/08/68 - 02/03/68
		DD005821	1553-1555	02/03/68 - 02/27/68
		DD005822	1556-1558	02/25/68 - 03/22/68
		DD005823	1559-1561	03/22/68 - 04/13/68 (e)
		DD005824	1562-1564	04/13/68 - 05/04/68 (f)
		DD005825	1565-1567	05/04/68 - 05/26/68 (g)
		DD005826	1568-1570	05/26/68 - 06/12/68
		DD005827	1571-1573	06/12/68 - 07/04/68
		DD005828	1574-1576	07/04/68 - 07/26/68 (h)
		DD005829	1577-1579	07/26/68 - 08/16/68
		DD005830	1580-1582	08/16/68 - 09/07/68 (i)
		DD005831	1583-1585	09/07/68 - 09/28/68 (j)
		DD005832	1586-1588	09/28/68 - 10/20/68 (k)
		DD005833	1589-1591	10/20/68 - 11/11/68
		DD005834	1592-1594	11/11/68 - 12/02/68 (l)

DD005835	1595-1597	12/02/68 - 12/24/68	(m)
DD005836	1598-1600	12/24/68 - 01/15/69	(n)
DD005837	1601-1603	01/15/69 - 02/05/69	(o)
DD005838	1604-1606	02/05/69 - 02/27/69	
DD005839	1607-1609	02/27/69 - 03/21/69	
DD005840	1610-1612	03/21/69 - 04/11/69	
DD005841	1613-1615	04/11/69 - 05/03/69	

- (a) DD005813 - FILE 2, RECORDS 428, 432, 1637
- (b) DD005814 - FILE 2, RECORD 111
- (c) DD005815 - FILE 2, RECORDS 15, 68, 4954, 5006
- (d) DD005817 - FILE 2, RECORDS 381, 382
- (e) DD005823 - FILE 2, RECORD 5173
- (f) DD005824 - FILE 2, RECORD 223
- (g) DD005825 - FILE 2, RECORDS 68, 446
- (h) DD005828 - FILE 2, RECORDS 134, 135, 136, 1152
- (i) DD005830 - FILE 2, RECORD 432
- (j) DD005831 - FILE 2, RECORD 433
- (k) DD005832 - FILE 2, RECORD 393
- (l) DD005834 - FILE 2, RECORDS 240, 241, 396, 397, 5127, 5132
- (m) DD005835 - FILE 2, RECORDS 419, 4210, 511, 512, 532, 533, 1257, 1258, 1264, 1265
- (n) DD005836 - FILE 2, RECORDS 10, 18, 19, 21
- (o) DD005837 - FILE 2, RECORDS 3, 18

- 1) Rewrite description - indicate that this catalog contains dumps of -OIO.

This data set was created from -OIA. They differ from -OIA in that the header and trailer files were removed but the format remained the same.

Indicate that -OIO was created from D-5809-D-5841.
Note change on front of DSC & in DSC listing.
Put formats in book.

June 7, 1973

To: Data Repository
From: ADP Services
Subject: Changes to the tape listing.

The following changes need to be made to the tape listing:

1. Change the time span for DD-1795 to 122163 - 123064.
2. Change the time span for DD-2399 to 052768 - 062868.
3. In a memo written on April 28, 1971, we requested the release of 33 Explorer 34 Low Energy Telescope tapes (C-04571 thru C-04603). The tapes were released and reused but the tape listing shows that these 'C' numbers are still the dupes of D-05809 thru D-05841. These 'D' entries need to be changed.

April 23, 1971

TO: Inventory Control
FROM: Computer Services
SUBJECT: 33 Explorer 34 Tapes

Please release the following 33 Explorer 34 C tapes:
C-04571 thru C-04603. The tapes are to be released but
the numbers are not to be released as eventually they will
be filled by corresponding standard rd tape tapes.

67-051A-01A

EXPLORER 34 LOW ENERGY TELESCOPE 'A'

This data set consists of 33 Binary, 800 BPI, 7 track tapes. These tapes were created on a GE/635 computer.

Each tape contains a header and a trailer file plus a file of telemetry and orbital information. Each logical record is either a 21 word orbital record or an 11 word telemetry record.

A program has been run on these tapes which changes all the floating point numbers in the orbital records from GE/635 to 7094 format. This program also eliminated the header and trailer files.

The 'D' tapes are in GE format and the 'C' tapes are all in 7094 format. Included in this catalog are octal dumps of both the 'D' and 'C' tapes showing the change in format.

The time spans for the tapes are:

C tapes have been released

<u>D#</u>	<u>C#</u>	<u>START</u>	<u>STOP</u>
D-05809	C-04571	05/24/67	06/14/67
D-05810	C-04572	06/14/67	07/06/67
D-05811	C-04573	07/06/67	07/28/67
D-05812	C-04574	07/28/67	08/19/67
D-05813	C-04575	08/19/67	09/09/67
D-05814	C-04576	09/09/67	10/01/67
D-05815	C-04577	10/01/67	10/23/67
D-05816	C-04578	10/23/67	11/13/67
D-05817	C-04579	11/13/67	12/01/67
D-05818	C-04580	12/01/67	12/22/67
D-05819	C-04581	12/22/67	01/09/68
D-05820	C-04582	01/09/68	02/03/68
D-05821	C-04583	02/03/68	02/27/68
D-05822	C-04584	02/25/68	03/22/68
D-05823	C-04585	03/22/68	04/13/68
D-05824	C-04586	04/13/68	05/04/68
D-05825	C-04587	05/04/68	05/26/68
D-05826	C-04588	05/26/68	06/12/68
D-05827	C-04589	06/12/68	07/04/68
D-05828	C-04590	07/04/68	07/26/68
D-05829	C-04591	07/26/68	08/16/68
D-05830	C-04592	08/16/68	09/07/68
D-05831	C-04593	09/07/68	09/28/68
D-05832	C-04594	09/28/68	10/20/68
D-05833	C-04595	10/20/68	11/11/68
D-05834	C-04596	11/11/68	12/02/68
D-05835	C-04597	12/02/68	12/24/68
D-05836	C-04598	12/24/68	01/15/69
D-05837	C-04599	01/15/69	02/05/69
D-05838	C-04600	02/05/69	02/27/69
D-05839	C-04601	02/27/69	03/21/69
D-05840	C-04602	03/21/69	04/11/69
D-05841	C-04603	04/11/69	05/03/69

DESCRIPTION OF BTL EXPLORER 34 AND 41 REDUCED DATA TAPES*

The reduced-data tapes contain, in a compacted and time ordered form, the telemetry and orbital information relevant to the Bell Laboratories experiments on the satellites Explorer 34 and 41 (IMP-F and IMP-G). They are 7-track digital magnetic tapes recorded at 800 b.p.i. in odd parity (binary mode). The tape format is the GECOS Standard System Format (see the appendix) in which information is grouped into logical records. Two types of logical records can appear on a reduced-data tape: packed telemetry records and orbital information records. The record type is determined by the record size: the packed telemetry records are ten words long while the orbital information records are 20 words long. The packing scheme for the telemetry records is found in Table 1; the scheme for the orbital information records is found in Table 2.

The orbit data are given every 10 minutes, except when $R < 42000$ km, when the orbit data are given every minute. The orbital information records giving the orbit data are interspersed on the tape among the packed telemetry records in a special order with respect to time. The time value of any packed-telemetry record read from the tape will lie between the time values of the middle two of the last four orbital-information records read from the tape. An immediate consequence of this is that the first four logical records on a reduced data tape are orbital information records. With this scheme, interpolation of the orbital data to the exact time of a telemetry sequence can be easily accomplished

*Separate, nearly identical, Explorer 34 and 41 descriptions generated by BTL personnel and merged at NSSJC.

(2)

since there are always four relevant points equally spaced in time. Care must be used in doing this since some of the orbital data items may be flagged as bad or unavailable data.

(3)

TABLE 1
Packed Telemetry Record

<u>WORD</u>	<u>BITS</u>	<u>CONTENTS</u>
1	0-8	Day of the Year
	9-35	Millisecond of Day for Frame
2	0-3	Year (7-1967)
	4-5	Time Flag**
	6-7	Sequence Clock Flag
	8	Tape Read Error
	9	Experiment on/off Flag on = 0, off = 1
	10-18	0
	19-35	Satellite Sequence (see table 3)
3	0-2	0
	3	See Sun Flag
	4-17	See Sun Time (msec)
	18	0
	19	Register 1 Flag
	20-35	Register 1 Counts*

**1 Bit Flags: 0-Good, 1- Otherwise

Flags of 2 Bits: 11-Data Quality Good
10-Data Quality Fair
01-Data Quality Bad
00-Data Quality not Determined

TABLE 1 (CONT)

<u>WORD</u>	<u>BITS</u>	<u>CONTENTS</u>
4/5	0	0
	1	Register 2/4 Flag
	2-17	Register 2/4 Counts*
	18	0
	19	Register 3/5 Flag
6	20-35	Register 3/5 Counts*
	0-9	Real Flags for 5 Registers as they were read from telemetry record, 2 bits for each register
	10	0
	11-13	Pseudo-Sequence Clock Flag
	14-35	Pseudo-Sequence Clock
7	0-1	Optical Aspect Flag
	2-17	Optical Aspect Scan (0-180° Binary Point 5 Places to the Left)
	18-19	Spin Period Flag
	20-35	Spin Period (msec) (2000-3000 msec)

* In the 16 bits of the register counts, if bits 1 and 2 of those bits = 1, in order to determine the register counts use the following formula:

Counts = $16383 \cdot RMAX / (RMAX - \text{contents of bits 3 through 16})$
 where $RMAX = 14848$. For example, if word 4 were 340,037,021,637 (octal), the 16 bits of the register count for register 2 would be 110000000011111. Since bits 1 and 2 of these 16 bits are 1 the counts for register 2 would be calculated by

$$16383 \cdot 14848 / (14848 - 31).$$

(5)
TABLE 1 (CONT)

<u>WORD</u>	<u>BITS</u>	<u>CONTENTS</u>
8	0-17	Optical Aspect 3 (0-20,000 msec)
	18-35	Optical Aspect 4 (0-300 msec)
9	0-17	Performance Parameters 7 (11.7 V)
	18-35	Performance Parameters 8 (28 V)
10	0-17	Performance Parameter (BTL Bias)
	18-35	Temperature-Even Sequence Skin Temperature-Odd Sequence

Orbital Information Record

<u>WORD</u>	<u>CONTENTS</u>
1	Day of the Year (Bits 0-8) and msec of Day (Bits 9-35)
2	Geocentric Longitude (Degrees)
3	Geocentric Latitude (Degrees)
4	R (km)
5 6 7	$\left. \begin{matrix} X \\ Y \\ Z \end{matrix} \right\}$ Satellite Position- Solar Ecliptic (Earth Radii)
8 9 10	$\left. \begin{matrix} X \\ Y \\ Z \end{matrix} \right\}$ Satellite Position-Solar Magnetospheric (Earth Radii)
11 12 13	$\left. \begin{matrix} X \\ Y \\ Z \end{matrix} \right\}$ Moon Position-Solar Ecliptic (Earth Radii)
14	RA-Right Ascension Inertial Ecliptic Satellite Position
15	D-Declination

$$\left(\begin{matrix} X=R \cos D \cos RA \\ Y=R \cos D \sin RA \\ Z=R \sin D \end{matrix} \right)$$

(7)
TABLE 2 (CONT)

<u>WORD</u>	<u>CONTENTS</u>
16	L-McIlwain Parameter } Real Field Co-ordinate
17	B-Field Strength } System
18	L_{sep} Satellite-Earth-Sun-Angle
19	Right Ascension } of the Magnetic Vector
20	Declination }

TABLE 3

Satellite Sequence and Calibrate Mode

If not in a calibrate mode, bits 31-35 of word 2 of a packed telemetry record determine the mode, according to the following table:

<u>Bits 31-35</u>	<u>Mode</u>	<u>Bits 31-35</u>	<u>Mode</u>
0	D	16	D
1	A	17	A
2	H	18	H
3	K	19	K
4	I	20	I
5	B	21	G
6	M	22	M
7	C	23	J
8	D	24	D
9	A	25	L
10	H	26	H
11	K	27	N
12	I	28	I
13	E	29	O
14	M	30	M
15	F	31	P

If in the calibrate mode, that is, if bits 25-29 of word 2 of a packed telemetry record are all ones,

bit 30=0 particle source in calibration
 bit 30=1 test pulsar in calibration

If the satellite sequence (word 2) and pseudo-sequence clock (word 6) do not agree, use the satellite sequence for computations.

TABLE 4

Correspondence between Particles and Channels

CHANNEL	ENERGY (MeV/NUCLEON)	EFFICIENCY TO GET FLUX (cm ² sec.str. $\frac{\text{MeV}}{\text{Nucleon}}$) -1
ALPHAS		
A4	Explorer 34 (IMP F)	Explorer 34
A5	1.0-1.6	10.3
B5	1.6-2.2	11.7
F3	2.2-3.0	8.2
P4	4.0-6.0	3.3
P5	6.0-11.8	1.1
		1.2
PROTONS		
A1	Explorer 41 (IMP G)	Explorer 41
A2	1.0-1.5	10.9
A3	1.5-2.1	11.4
B3	2.2-4.4	2.9
D1	4.4-6.1	3.7
D2	6.1-10.6	1.3
D3	10.6-20.9	1.2
D4		
M1		
M2		
M3		
ELECTRONS		
H1	>0.30 MeV	57
H2	>0.50 MeV	7.2
H3	>1.0 MeV	7.2

(10)

APPENDIX

GECOS Standard System Tape Format

A tape written as a GECOS standard system tape has three files, the first and last file being header and trailer labels, each containing one fourteen-word (one word=36 bits) record. The header and trailer labels contain information for use by the BTL Computation Center.

The second file contains the telemetry and orbital information in data blocks (physical records) of up to 320 words. The first word of each block contains the block serial number: bits 0-17 is the block serial number, the sequential number of the block (physical record) and bits 18-35 contain the block size. The block size is the number of 36-bit words not including the block-serial-number word in the record (e.g. if the block had 320 words, the block size would be 319 as the first word is the block serial number).

The logical records contained within each block are variable length and have a record size control word as the first word of each variable-length record. The contents of bits 0-17 of this control word give the binary equivalent of the record size in words not including the record size control word. The remainder of the word contains information for the GECOS system.

FILE 0001 REC 0001 CH 1920

Range of 12-5809

day 144 Day 165

1967

LE/655 Format

FILE 0001 REC 0002 CH 1884

0001	000001000077	000012000000	220306235551	35600256330	002704000000	0
0049	005560005027	003007000000	000570001572	000214001213	000002000000	2
0097	000007000004	000003000002	577400256331	005560005023	003007000000	0
0145	220306305520	356000256332	003135003427	005273002277	000101000112	7
0193	000570001572	000214001465	000012000000	220306331503	356000256333	0
0241	777400256333	005560005021	003244000000	000570001572	000214001465	0
0289	003367000020	002300000037	000014000001	777400256334	005620005023	0
0337	000002000000	220306401451	356000256335	003367000001	000003000000	0
0385	003475000000	000570001572	000214001235	000012000000	220306425434	3
0433	000017000001	777400156336	005560005021	006660002000	000570001572	0
0481	356000256337	003622000000	000000000000	000000000000	777400256337	0
0529	000214001444	000003000000	220306475403	356000256340	004054000003	0
0577	005620005021	004164000000	000570001572	000134001213	000002000000	2
0625	001362000000	000000000000	777400256341	005620005021	004164000000	0
0673	220306545351	356000256342	004307151715	161713007740	000330000377	7
0721	000570001572	000134001423	000012000000	220306571334	356000256343	0
0769	777400256343	005620005023	007452000000	000570001572	000134001423	0
0817	004562377777	377777377777	377777377777	000020256344	005560005021	0
0865	000012000000	220306641303	350000256345	004542000524	000570001572	0
0913	004562000000	000570001572	000130001213	000012000000	220306665266	3
0961	000045000001	525400256346	005620005023	005105000000	000566001572	0
1009	356000256347	004775000751	000165000050	000030000001	525400256347	0
1057	000130001402	000012000000	220305735234	356000256350	000211000054	0
1105	005620005023	003467000000	000570001572	000046001235	000012000000	2
1153	006531000171	000003000000	765400256351	005620005023	003467000000	0
1201	220307005203	356000256352	000444163603	170076002771	000060000056	7
1249	000566001572	000046001340	000012000000	220307031166	356000256353	0
1297	777400256353	005560005023	003734000002	00566001572	000046001340	0
1345	000701000007	000517000726	000005000000	777400256354	005560005021	0
1393	000012000000	220307101135	356000256355	000701000003	000003000000	0
1441	004220000005	000566001572	000052001235	000012000000	220307125120	1
1489	000962000000	777400256356	005620005023	004667000000	000566001572	0
1537	356000256357	001134000000	000001000001	000001000000	777400256357	0
1585	0000020001317	000012000000	220307175067	356000256360	001372000164	0
1633	005560005023	001505000002	000566001572	000214001235	000012000000	2
1681	007320000736	000000000000	777400256361	005560005023	001505000002	0
1729	220307245034	356000256362	001527155150	162373000423	000011000007	7
1777	000570001572	000214001276	000012000000	220307271017	356000256363	0
1825	777400256363	005560005021	001744000000	000570001572	000214001276	0
1873	002066000001	000074000342	000001000000	777400256364	005620005023	0

0001	0000020000471	000012000000	220307340706	356000256365	002054000000	0
0049	005620005023	002004000002	000570001572	000214001235	000012000000	2
0097	002627001576	000050000000	777400256366	005560005023	002416000002	0
0145	220307410735	356000256367	002321145523	170623164341	000275000000	1
0193	000570001572	000214001255	000012000000	220307434720	356000256370	0
0241	777400256370	005620005023	002703004570	000570001572	000214001235	0
0289	006503173142	216403432044	213562002770	615504551220	615612231521	4
0337	620537475709	620777366773	617465752210	205402300432	606603173136	8
0385	2035326133235	605417612115	000012000000	220307453400	607633135315	8
0433	615466637313	615652740232	213541454636	614731141531	615730025461	8
0481	2054660064273	606631273421	202451143676	217441342307	207501770453	1
0529	220307640040	607616453265	606555337430	216424076653	213520223366	4
0577	614660552221	615765057642	623537465425	621400151445	617466070340	4
0625	217413033112	207504763132	204571145637	605620617320	000012000000	2
0673	216434646672	213476226026	615430472043	615751242291	213476226026	4
0721	621400340474	617466137400	205645316524	606677405604	202543577513	4
0769	605705460754	000012000000	220307460703	356000256371	002561002351	1
0817	005620005023	002703004570	000570001572	000214001235	000012000000	2
0865	014677000014	000002000002	777400256372	005620005023	007732000002	0
0913	220307530652	356000256373	003017000440	000005000000	000005000000	0
0961	000370001572	000214001234	000012000000	220307554635	356000256374	0

WORK 2

0012000000	220306235551	356000256330	002704000000	000000000003	000000000000	777400256330
0007000000	000570001572	000214001213	000012000000	220306261534	356000256331	002704000013
0003000002	577400256331	005560005023	003007000000	000570001572	000214001213	000012000000
0000256332	003135003427	005273002277	000101000112	777400256332	005620005021	003244000000
0214001465	000012000000	220306331503	356000256333	003136000000	000001000000	000007000001
0020005021	003244000000	000570001572	000214001465	000012000000	220306355466	356000256334
0300005530	000014000001	777400256334	005620005023	003475000000	000570001572	000214001235
0306401451	356000256335	003367000001	000003000005	000025000000	777400256335	005620005023
0570001572	000214001235	000012000000	220306425434	356000256336	003622000006	00042000123
0400156335	005560005021	006660000000	000570001572	000214001444	000012000000	220306451417
0522000000	000000000000	000000000000	777400256337	005560005021	006660000000	000570001572
0000000000	220306475403	356000256340	004054000003	000055000071	000016000000	777400256340
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0000000003	777400256341	005620005021	004164000000	000570001572	000134001213	000012000000
0000256342	004307151715	161713007740	000330000377	777400256342	005620005023	007452000000
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0620005023	007452000000	000570001572	000134001423	000012000000	220306615320	356000256344
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0306641303	350000256345	004542000524	000677000165	000002000000	000020256345	005560005021
0570001572	000130001213	000012000000	220306665266	356000256346	004775000133	000564000563
0400256346	005620005023	005105000000	000566001572	000130001402	000012000000	220306711251
0775000751	000169200050	000030000001	5254020256347	005620005023	005105000000	000566001572
0002000000	220306735234	356000256350	000211000054	000572000416	000035000000	777400256350
0467000000	000570001572	000046001235	000012000000	220306761217	356000256351	000211014062
0003000000	765400256351	005620005023	003467000000	000570001572	000046001235	000012000000
0000256352	000444163603	170076002771	000060000056	777400256352	005560005023	003734000002
0046001340	000012000000	220307031166	356000256353	000444163573	167666000706	000005000001
0500005023	003734000002	00566001572	000046001340	000012000000	220307055152	356000256354
0517000726	000005000000	777400256354	005560005021	004220000005	000566001572	000052001235
0307101135	356000256355	000701000003	000001000022	000012000000	777400256355	005560005021
0566001572	000052001235	000012000000	220307125120	356000256356	001134000507	002111001155
0400256356	005620005023	004467000000	000566001572	000052001317	000012000000	220307151103
0134000000	000001000001	000001000000	777400256357	005620005023	004467000000	000566001572
0002000000	220307175067	356000256360	001372000164	001410000660	000034000000	777400256360
0505000002	000566001572	000214001235	000012000000	220307221052	356000256361	001372016126
0000000002	777400256361	005560005023	001505000002	000566001572	000214001235	000012000000
0000256362	001527156150	162373000423	000011000007	777400256362	005560005021	001744000000
0214001276	000012000000	220307271017	356000256363	001527161621	165527002175	000000000000
0560005021	001744000000	000570001572	000214001276	000012000000	220307315003	356000256364
0574000242	000001000000	777400256364	005620005023	002204000002	000570001572	000214001235
0002000000	220307340756	356000256365	002064000000	000000000000	000000000000	777400256365
0204000002	000570001572	000214001235	000012000000	220307364752	356000256366	002321000773
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0620005023	002703004570	000570001572	000214001235	000012000000	220307266240	607647055051
0403432004	213562052770	615504551220	615612231521	213562052770	615400165131	615671677133
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0652740236	213541454636	614731143531	615730025461	623537471556	620777745055	617466021250
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0616453265	606655337430	216424076653	21352023366	615447752262	615712464243	21352023366
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0466137400	205645516524	606677405604	202543577513	216753602242	207507703537	204740341066
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0000200002	777400256372	005620005023	000772000002	000570001572	000214001234	000012000000
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0214001234	000012000000	220307554635	356000256374	003254000002	000013000071	000000000000

FILE 0001 REC 0002 CH 1884

1009	777400256374	005560005023	003374000000	000570001572	000214001235	00
1057	003254000003	000002000000	000000000000	777400256375	005560005023	00
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1153	003041004570	00056001572	000214001213	000024000000	220310213040	60
1201	213453545520	615410571337	616403430775	213453545520	614534704503	61
1249	617466266430	205741565013	606717517461	202023421773	216704166472	20
1297	000002000000	220307650565	356000256377	003514000000	000000000001	00
1345	003641004570	00056001572	000214001213	000002000000	220307674552	35
1393	000005000000	777400256400	005620005023	004071000002	000570001572	00
1441	356000256401	003751017463	156105141575	000010000004	777400256401	00
1489	000134001235	000002000000	220307744520	350000256402	777777010727	00
1537	777777777777	777777777777	000570001572	000134005000	000002000000	22
1585	377777377777	377777377777	000020256403	777777777777	777777777777	00
1633	220310400000	607544440325	606735740424	216456673710	213430455766	61
1681	614461644661	616442747135	623537450774	621400716470	617466255444	20
1729	216637552357	207515315215	205530725405	606416224735	000002000000	22
1777	000453000043	000002000000	777400256406	005560005023	005032004573	00
1825	220310110420	356000256407	004710000506	000024000005	000002000001	77
1873	000570001572	000130001155				

FILE 0001 REC 0003 CH 1886

0001	000003000473	000012000000	220310134403	356000256410	000127000147	00
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0145	220310204352	356000256412	000367000105	000104000061	000003000000	77
0193	000570001572	000046001155	000024000000	220310565340	607525171621	60
0241	614717266070	616440002720	213405025414	614406127336	616457334332	62
0289	206460727504	606752336005	202707037060	216576142237	207517777472	205
0337	220310230335	356000256413	000367000667	002634001651	000000000000	77
0385	000570001572	000046001155	000012000000	220310254321	356000256414	00
0433	777400256414	005620005023	005544000002	000570001572	000052001235	00
0481	000527000000	000000000000	000000000000	777400256415	005620005023	005
0529	000002000000	220310324267	356000256416	001067000070	000035000001	00
0577	001207000002	000570001572	000052001136	000012000000	220310350252	356
0625	000005000000	777400256417	005560005023	001207000002	000570001572	00
0673	356000256420	001331000017	000023000000	000000000000	777400256420	005
0721	000214001235	000002400000	220310752500	607505275320	606765157522	216
0769	616455465160	212742174274	613664046655	616473346447	623537440463	621
0817	606765157522	202752066351	216537454323	207522371236	205702350633	606
0865	356000256421	001331034277	163364017412	000003000000	777400256421	005
0913	000214001235	000002000000	220310244203	356000256422	001571004263	151
0961	005620005023	001716004570	000570001572	000214001120	000012000000	220
1009	005401000430	000000000000	777400256423	005620005023	001716004570	000
1057	220310514152	356000256424	002031147666	150757000001	000000000000	777
1105	000570001572	000214001235	000002000000	220310540135	356000256425	002
1153	777400256425	005560005023	006741000002	000570001572	000214001235	000
1201	002273000011	000002000000	000000000000	777400256426	005620005023	002
1249	000002000000	220311137640	607465045650	606776300001	216513031471	212
1297	212671013330	613533022132	616507020332	623537434315	621401463521	617
1345	203406644126	216503565751	207524672466	205767031515	606473374110	000
1393	002273171125	141417173703	170143000000	777400256427	005620005023	002
1441	000002000000	220310634067	356000256430	002533000007	000001000000	000
1489	002633000002	000570001572	000214001235	000002000000	220310660052	356
1537	000002000000	777400256431	005620005023	002653000002	000570001572	002
1585	356000256432	002775021452	170014172564	002070000001	777400256432	005
1633	000214001102	000002000000	220310730020	356000256433	002775000000	000
1681	005560005023	007705000002	000570001572	000214001102	000002000000	220
1729	216524512340	212620614240	614547307607	616507500706	212620614240	613
1777	621401462530	6174662511610	206630334727	607402776366	203430452550	216
1825	606506324133	000012000000	220310754004	356000256434	003237160475	1622
1873	005620005023	003357000000	000570001572	000214001235		

FILE 0001 REC 0004 CH 1902

0001	000004000474	000012000000	220310777767	356000256435	003237000000	0000
0049	005620005023	003357000000	000570001572	000214001235	000002000000	2203
0097	000000000000	000000000000	777400256436	005560005023	003617000000	0005

6560006023	003374000000	000570001572	000214001235	000012000000	220307600620	356000256375
0002000000	000002000000	777400256375	005560005023	003374000000	000570001572	000214001235
0307624603	356000256376	003514001102	002023000416	000011000000	777400256376	005620005023
0566901572	000214001213	000020000000	220310213040	607563205473	606717517457	216445601156
5410571337	616403430775	213453545520	614534704503	616425773703	623537455133	621400527504
5741569013	006717517451	202513421773	216704165472	207512543132	205444300341	605763630941
0307650565	356000256377	003514000000	000000000001	000001000000	777400256377	005620005023
0566901572	000214001213	000020000000	220307604552	356000256400	003751000340	001201000145
7400256400	005620005023	004071000002	000570001572	000134001235	000011000000	220307720535
3751017463	156105141575	000010000004	777400256401	005620005023	004071000002	000570001572
0000000000	220307744520	356000256402	777777010727	006224060013	000000000402	000020256402
7777777777	000570001572	000134005000	000020000000	220307770503	356000256403	777777377777
7777377777	000020256403	777777777777	000570001572	000134005000	000020256402	000020256402
7544440325	006735740424	216456673710	213430455766	614760635055	616421774331	213430455766
6442747135	623537450774	621400716470	617462255444	206420207641	606735740424	202644570074
7515315215	205532725475	006416224735	000020000000	220310064435	356000256406	004710000354
0002000000	777400256405	005560005023	005032004573	000570001572	000130001155	000020000000
000256407	004710000526	000024000005	000020000001	777400256407	005560005023	005032004573
113001153						

12000000	220310134403	356000256412	000127000147	000315000015	000001000000	777400256410
247000000	000570001572	000046001235	000012000000	220310160366	356000256411	000127023475
011000000	777400256411	005560005023	000247000000	000570001572	000046001235	000012000000
000256412	000367000105	000104000061	000033000000	777400256412	005560005023	000570001572
046001155	000020000000	220310565340	607525171621	606752336001	216470107057	213405025410
440002720	213405025414	614405127336	616457334332	623537444631	621401105506	617466324524
752336005	202707037060	216576142237	207517777472	205615531227	606437412616	000020000000
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000000000	000000000000	777400256415	005620005023	005544000002	000570001572	000052001235
310324267	356000256416	001067000070	000035000001	000000000000	777400256416	005560005023
570001572	000052001136	000012000000	220310350252	356000256417	001067000000	000000000001
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031000017	000023000000	000000000000	777400256420	005560005023	001453004566	000570001572
040000000	220310752500	607505275320	606765157522	216501425004	212742174274	614655171201
742174274	613664246655	616473346447	623537440463	621401274514	617466373554	206522523241
752066351	216537454323	207522371236	205702350633	606456461104	000012000000	220310420220
131034277	163364017412	000023000000	777400256421	005560005023	001453004566	000570001572
000000000	220310444203	356000256422	001571004263	151075162042	000151000000	777400256422
71604570	000570001572	000214001120	000012000000	220310470166	356000256423	001571001670
000000000	777400256423	005620005023	001716004570	000570001572	000214001120	000012000000
000256424	002031147566	150757000001	000000000000	777400256424	005560005023	006741000002
14001233	000000000000	220310540135	356000256425	002031000000	000000000000	000000000000
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000000001	000000000000	777400256426	005620005023	002413000000	000570001572	000214001102
11137640	607465045550	606776300001	216513031471	212671613330	614612432451	616472634205
33022132	616507020332	623537434315	621401463521	617466442570	206555205305	606776300001
03565751	207524672466	205767031515	606473374110	000012000000	220310610104	356000256427
17173703	170143000000	777400256427	005620005023	002413000000	000570001572	000214001102
10634067	356000256430	002533000007	000001000000	000000000000	777400256430	005620005023
72001572	000214001235	000020000000	220310660052	356000256431	002533000004	000001000003
00256431	005620005023	002653000002	000570001572	777400256432	000214001235	000012000000
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00000000	220310730020	356000256433	002775000000	000000000000	000000000000	777400256433
05000000	000570001572	000214001102	000020000000	220311325000	607444373412	607402776366
20614240	614547307607	616507500736	212620614240	613401304053	616522144414	623537430142
06011510	206530334727	607402776366	203430452550	216452332442	207527104424	206142547523
12000000	220310754004	356000256434	003237160475	162250000000	000000000001	777400256434
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57000000	000570001572	000214001235	000020000000	220311023753	356000256436	003477000051
03000000	777400256436	005560005023	003617000000	000570001572	000214001063	000012000000

FILE 0001 REC 0008 CH 1920

1105	005120007340	003600000000	000565001572	000127402400	000012000000	1
1153	000000000000	000000000000	777407150220	005120004741	003210000000	0
1201	173015663601	456000170551	003051014727	004510000021	000000000000	7
1249	000570001572	000046001121	000012000000	173020236130	454000170550	0
1297	525007150320	005120004741	002674000000	000566001572	000046001121	0
1345	002557001076	017437000004	000000000000	527407150321	005120004741	0
1393	000012000000	173020306075	554003170652	002175141074	160310001122	0
1441	002312023732	000565001572	000045402400	000012000000	173020306075	4
1489	000002000000	525007150323	005120004741	002312023732	000566001572	0
1537	454000170654	001610000526	000101000030	000003000000	525407150324	0
1585	000052001121	000012000000	173020402027	454000170655	001610001000	0
1633	005120004741	001725002552	000565001572	000052001121	000012000000	1
1681	000001000000	000000000000	577407150326	005120004741	001341000000	0
1729	173020451776	454000170657	001225000000	000000000000	000000000000	5
1777	000570001572	000052402400	000012000000	173020475761	456000170660	0
1825	777407150330	005460004741	000755000000	000570001572	000215001121	0
1873	000543030003	000000000000	000000000000	575407150331	005460004741	0

FILE 0001 REC 0009 CH 1920

0001	013147000477	000012000000	173020545727	456000170662	000261000024	0
0049	005120004741	000371000000	000565001572	000214402400	000012000000	1
0097	000003000000	000000000000	777407150333	005120004741	000371000000	0
0145	173020515675	456000170664	004535000002	000002000000	000000000000	7
0193	000570001572	000215001121	000012000000	173020641660	456000170665	0
0241	777407150335	005120004741	007300000002	000570001572	000215001121	0
0289	004254000000	000000000000	000000000000	777407150336	005120004741	0
0337	000012000000	173020711627	456000170667	004254000000	000005000007	0
0385	004364000000	000570001572	000215402400	000012000000	173020735512	4
0433	000000000000	777407150340	005120004741	004001000000	000566001572	0
0481	456000170671	003571000001	000000000000	000000000000	777407150341	0
0529	000214001121	000012000000	173021005560	456000170672	003312000002	0
0577	005120004741	003422000000	000570001572	000214402400	000012000000	1
0625	000000000000	000000000000	777407150343	005120004741	003422000000	0
0673	173021055527	456000170674	002730000001	000001000000	000000000000	7
0721	000566001572	000214001137	000012000000	173021101512	456000170675	0
0769	777407150345	005120004741	005307000002	000566001572	000214001137	0
0817	002345000000	000000000000	000000000000	777407150346	005120004741	0
0865	000012000000	173021151460	456000170677	002345000000	000000000000	0
0913	002455000000	000566001572	000214402400	000012000000	173021175443	4
0961	000000000000	777407150350	005120004741	002071000000	000566001572	0
1009	456000170701	001763000000	000000000000	000000000000	777407150351	0
1057	000134001137	000012000000	173021245412	456000170702	001401000001	0
1105	005120004741	001507000000	000570001572	000134001137	000012000000	1
1153	000000000000	000000000000	777407150353	005120004741	001507000000	0
1201	173021315360	456000170704	001021000002	000001000000	000000000000	7
1249	000570001572	000130001137	000012000000	173021341343	456000170705	0
1297	777407150355	005120004741	001131000000	000570001572	000130001137	0
1345	000477000000	000000000000	000000000000	777407150356	005120004741	0
1393	000012000000	173021411311	456000170707	000477000000	000000000000	0
1441	000545000000	000566001572	000130402400	000012000000	173021435275	4
1489	000000000000	777407150360	005120004741	000165000000	000570001572	0
1537	456000170711	000057000001	000000000000	000000000000	777407150361	0
1585	000046001137	000012000000	173021505243	456000170712	004474000000	0
1633	005120004741	005440000000	000570001572	000046402400	000012000000	1
1681	000000000000	000000000000	777407150363	005120004741	005440000000	0
1729	173021555211	456000170714	004052000000	000000000000	000000000000	7
1777	000570001572	000052001137	000012000000	173021601174	456000170715	0
1825	777407150365	005120004741	004160000000	000570001572	000052001137	0
1873	003472000000	000000000000	000000000000	777407150366	005120004741	0

FILE 0001 REC 0010 CH 0500

0001	013150000143	000012000000	173021651142	456000170717	003472000000	0
0049	005120004741	003502000000	000565001572	000052402400	000012000000	1
0097	000000000000	000000000000	777407150370	005120004741	003220000000	0

000300000000	00056001572	000127402400	000012000000	173015617616	456000170550	007051000000
000000000000	777407150220	005120004741	003210000000	000570001572	000046001121	000012000000
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FILE 0001 REC 0010 CH 0600

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FILE 0002 REC 0001 CH 0084

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FILE 0001 REC 0001 CH 1836

C-4603

Dupe of 2-5641

Day 61 - Day 123
1469

709d format

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FILE 0001 REC 0002 CH 1896

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