

DATA SET CATALOG #179

61-020A-05A

EXPLORER 12

TRAPPED RAD REDUCTION

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 This inventory information is now no longer maintained in the DSCs, but is now managed in the inventory part of the NSSDC information system.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

SPMS-00279

Explorer 12

Reduced Electron & Proton Count Rates Tape

61-020A-05A

This data set has been restored. Originally there were twenty 7-track, 800 BPI tapes, written in Binary. Four of these tapes were Bad, they are: D008558, D008561, D008564 and D008567. There are two restored tapes. The DR and DS tapes are 9-track, 6250 BPI. The original tapes were created on an IBM 7094 computer. The DR and DS numbers along with the corresponding D numbers and time spans are as follows:

| DR#      | DS#      | D#      | FILES | TIME SPAN           |
|----------|----------|---------|-------|---------------------|
| DR002116 | DS002116 | D008553 | 1     | 08/16/61 - 08/21/61 |
|          |          | D008554 | 2     | 08/21/61 - 08/27/61 |
|          |          | D008555 | 3     | 08/27/61 - 09/01/61 |
|          |          | D008556 | 4     | 09/01/61 - 09/07/61 |
|          |          | D008557 | 5     | 09/07/61 - 09/12/61 |
|          |          | D008559 | 6     | 09/18/61 - 09/23/61 |
|          |          | D008560 | 7     | 09/23/61 - 09/29/61 |
|          |          | D008562 | 8     | 10/04/61 - 10/10/61 |
|          |          | D008563 | 9     | 10/10/61 - 10/16/61 |
| DR002117 | DS002117 | D008565 | 1     | 10/21/61 - 10/27/61 |
|          |          | D008566 | 2     | 10/27/61 - 11/01/61 |
|          |          | D008568 | 3     | 11/07/61 - 11/12/61 |
|          |          | D008569 | 4     | 11/12/61 - 11/18/61 |
|          |          | D008570 | 5     | 11/18/61 - 11/23/61 |
|          |          | D008571 | 6     | 11/23/61 - 11/29/61 |
|          |          | D008572 | 7     | 11/29/61 - 12/06/61 |

## EXPLORER 12

## TRAPPED RAD REDUCTION DATA

DD-08553 - DD-08572

DC-07377 - DC-07396

This data set contains 20 magnetic tapes. These 7094 tapes are all 800 BPI, Binary, 7 track, one file.

| <u>D#</u> | <u>C#</u> | <u>O3R D#</u> | <u>START</u> | <u>STOP</u> |
|-----------|-----------|---------------|--------------|-------------|
| D-08553   | C-07377   | 1             | 08/16/61     | 08/21/61    |
| D-08554   | C-07378   | 2             | 08/21/61     | 08/27/61    |
| D-08555   | C-07379   | 3             | 08/27/61     | 09/01/61    |
| D-08556   | C-07380   | 4             | 09/01/61     | 09/07/61    |
| D-08557   | C-07381   | 5             | 09/07/61     | 09/12/61    |
| D-08558   | C-07382   | 6             | 09/12/61     | 09/18/61    |
| D-08559   | C-07383   | 7             | 09/18/61     | 09/23/61    |
| D-08560   | C-07384   | 8             | 09/23/61     | 09/29/72    |
| D-08561   | C-07385   | 9             | 09/29/61     | 10/04/61    |
| D-08562   | C-07386   | 10            | 10/04/61     | 10/10/61    |
| D-08563   | C-07387   | 11            | 10/10/61     | 10/16/61    |
| D-08564   | C-07388   | 12            | 10/16/61     | 10/21/61    |
| D-08565   | C-07389   | 13            | 10/21/61     | 10/27/61    |
| D-08566   | C-07390   | 14            | 10/27/61     | 11/01/61    |
| D-08567   | C-07391   | 15            | 11/01/61     | 11/07/61    |
| D-08568   | C-07392   | 16            | 11/07/61     | 11/12/61    |
| D-08569   | C-07393   | 17            | 11/12/61     | 11/18/61    |
| D-08570   | C-07394   | 18            | 11/18/61     | 11/23/61    |
| D-08571   | C-07395   | 19            | 11/23/61     | 11/29/61    |
| D-08572   | C-07396   | 20            | 11/29/61     | 12/06/61    |

6/2/13- These 'D' tapes have been sent to the National Archives. Only the 'C' tapes remain in the data set.

S-3A SOFT RADIATION DATA REDUCTION SYSTEM  
(used to produce Data Set 62-051A-05A )

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## 1. INTRODUCTION

1.1 Purpose: The purpose of the S-3A MERGE program is to:

- a. Find and extract all usable data from the S-3A data tapes,
- b. Merge identification and sun information with the data extracted,
- c. Perform quality control checks on the merged data, and
- d. Output the merged data in a form usable to the experimenters.

The file processing section reads the file ID record from the tape and tests for the end of tape signal. If the end of tape record is present, a message is written in the BCD listing file and the program switches to the alternate primary drive if more tapes are to be processed. If the batch size has been reached, the program ends the present output tape and switches to the alternate output drive. The program then re-enters the file processing section.

If the end of tape record was not present, the program writes the ID information in the BCD listing file. The sun right ascension and declination are obtained once per file by taking the start time of the first data block found, adding 30 minutes and then calling the HELOS subroutine. (See Appendix A.) Both the sun right ascension and declination are written in the BCD listing file at the beginning of processing each data file.

The basic unit of data processed within the file is the data block. In order to qualify as a data block, the following conditions must be met:

- a. There must be 256 time continuous frames. The program will pad up to 10 frames at any given time break. In order to be time continuous, the time difference between frames must be within 10 percent of the expected frame period. The expected frame period is set at the start of the program and is updated during the run if it consistently differs by more than 1.5 percent from the actual frame period.
- b. The data must be in sync, i.e., the channel 2 readings for the 256 frames must continuously conform to the 16 frame high-low sync pattern for the satellite. Short deviations from the sync pattern are accepted within the 256 frames provided the high-low pattern is present at both the start and end of the data block.
- c. The data block must be wheel position continuous, i.e., the legal wheel positions present must show no evidence of sticking or skipping. Consequently, the last legal wheel position must show its correct relationship to the first legal wheel position for a correct revolution to exist. Any of the 16 wheel positions may be the first in the block as long as the above requirements are met. The wheel position is calculated using PP7 of Channel 15 (See Appendix B for Wheel Position Equation).

## 2. PROGRAM INFORMATION

### 2.1 Definition of Terms

Primary Input Tapes - Data tapes containing files which will be processed in the order in which they are contained on the tapes.

Batch - The output data contained on one output tape. The size of a batch is input to the program as the number of primary input tapes to be processed per each output tape.

Print File - On DCS - The first file of information listed on the printer. On stand-alone 7094 - that information which is written on the on-line printer.

BCD Listing File - On DCS - The second file of information listed on the printer. On stand-alone 7094 - that BCD information which is written on tape for off-line listing.

Data Block - 256 time continuous frames of data from one complete 16 position wheel revolution.

Frame 0 - Imaginary frame whose time is one frame period before the first frame of the data block.

### 2.2 Program Description

The program first reads a parameter card to determine the total number of primary input tapes to be processed this run (NPRIM), the number of primary input tapes to be processed per batch (IBCHSZ), and the month, day, and year of this run of the MERGE program (IRUNMO, IRUNDY, and IRUNYR). See Section 3.1.1 for detailed description and format. After the setting of constants and the rewinding of tapes used, the program enters the file processing section.

The MRGSNC subroutine fills the data blocks according to the above conditions. Any time that data is discarded due to failure to meet these qualifications, a line is written in the BCD listing file stating the number of frames discarded and the cause. A running total of good and bad frames per file is kept and a summary and percentage recovery is written at the end of each file. Upon successful filling of a data block, the MRGSNC subroutine also calculates the average frame period of the block, the wheel position-frame 0, the quasi-clock reading-frame 0, and the quasi-clock frame count (of 240)-frame 0.

Upon returning from MRGSNC, the main program computes the start time of frame 0 making sure that the day count is relative to the launch year. It then calls the ROLCAL subroutine which searches the channel 0 and 1 readings to find the see-sun data. ROLCAL returns the number of see-suns found and two arrays with an entry in each for every see-sun. The first entry contains the time of the see-sun in eighths of a frame from the start of the block and the second entry contains the N2-N3 value for the see-sun in the form  $10 \times (N2+1)+(N3+1)$ . The number of see-suns and both arrays are saved for output as part of the binary record.

Since the input data is not in chronological order and since time corrections to the data have not been determined or applied, the program does not attempt to supply any orbit information for the data block. The standard fields for the orbital information are present but remain = 0 to be filled in subsequently. The orbit return is set = 1 although no calls are made to any orbit subroutine.

The quality control checks which were previously performed on continuous data blocks are not performed by the S3-A MERGE program because they use orbit information and roll coefficients, both of which are not calculated. These fields exist but are also set = 0.

The quality control checks which are performed consist of the calculation of five values using data only from the current data block. The five values are:

1. The average of the legal channel 15 - PP1 reading.
2. The RMS of the differences between the legal channel 15 - PP1 readings and their average.
3. The average of the legal channel 15 - PP13 readings.
4. The RMS of the differences between the legal channel 15 - PP13 readings and their average.
5. The number of illegal channel 15 readings in the complete data block.

These values are saved for output as part of the current data record on tape and in the BCD listing file.

At the completion of the quality checks the program writes the current data record on the tape and the one line of print for the data block in the BCD listing file. The program then loops back through the process of filling, testing, and writing out until the end of the file is reached. When the end of file is reached, the program re-enters the file processing section and looks for the ID record or end-of-tape record following the present file.

### 3. INPUT AND OUTPUT SPECIFICATIONS

#### 3.1 Setup Information

| <u>Logical Unit</u> | <u>Description</u>                |
|---------------------|-----------------------------------|
| 18-A8               | First output tape                 |
| 19-A9               | Alternate output tape             |
| 15-B5               | First primary input data tape     |
| 16-B6               | Alternate primary input data tape |

#### 3.2 Input Specifications

##### 3.2.1 Input Parameter Card:

Format (I2, I4, 2I2, I4)

| <u>Col</u> | <u>Name</u> | <u>Description</u>                               |
|------------|-------------|--------------------------------------------------|
| 1-2        | NPRIM       | Number of primary input tapes to be processed    |
| 3-6        | IBCHSZ      | Batch size - number of primary input tapes/batch |
| 7-8        | IRUNMO      | Month of year - this run                         |
| 9-10       | IRUNDY      | Day of month - this run                          |
| 11-14      | IRUNYR      | Year this run in form XXXX                       |

##### 3.2.2 Input Data Tape(s)

The BCD input data tapes contain any number of files. Each file contains one ID record followed by any number of data records. All records on the tape are 224 words (1344 characters) long. After the last data file there is a one record file in which all characters are "nines" to signify end-of-tape.

The ID record contains a 12 character string which is repeated throughout the record. The format of the 12 character string is:

| <u>Characters</u> | <u>Information Contained</u> |
|-------------------|------------------------------|
| 1,2               | Satellite number             |
| 3,4               | Month of year                |
| 5,6               | Day of month                 |
| 7                 | Year (X of 196X)             |
| 8,9               | Station number               |
| 10,11,12          | Analog tape number           |

Each data record contains a 42 character string for each of 32 frames. The format of the 42 character string is:

| <u>Character</u> | <u>Information Contained</u> |
|------------------|------------------------------|
| 1,2,3            | Day of year                  |
| 4,5              | Hour of day                  |
| 6,7              | Minutes                      |
| 8,9              | Seconds                      |
| 10,11,12         | Milliseconds                 |
| 13 through 18    | Quasi-clock reading          |
| 19,20,21         | Channel 2                    |
| 22,23,24         | Channel 8                    |
| 25,26,27         | Channel 9                    |
| 28,29,30         | Channel 10                   |
| 31,32,33         | Channel 15                   |
| 34,35,36         | Channel 0                    |
| 37,38,39         | Channel 1                    |
| 40 through 42    | Not examined by program      |

### 3.3 Output Specifications

#### 3.3.1 Print File and BCD Listing File

The print file contains a listing of the contents of the input card. It is written at the start of the program.

The BCD listing file starts with the writing of the date of the program run. (See Appendix C for sample listing.) The listing contains the following information per file:

- a. ID information, and logical unit number on which the tape is mounted.
- b. The number of frames and cause whenever frames are discarded.
- c. Sun right ascension and declination.
- d. One line printout for each good data block.
- e. File summary showing total frames, frames accepted, frames discarded and the percent recovery.

The one-line printout for each good data block contains the following information from left to right:

- a. Time frame 0 - day and fraction of day.
- b. Delta-frame period in fraction of day.
- c. McIlwain's L parameter frame 0, = 0 for S3-A.
- d. Orbit subroutine return, = 1 for S3-A.
- e. RMS of the fit of the roll equation, = 0 since no fit is attempted.
- f. NSS - number of see-suns found.
- g. N2N3 - = 0 for S3-A.
- h. IWH - wheel position frame 0.
- i. Quasi-clock reading frame 0.
- j. Quasi-clock count (of 240) frame 0.
- k. Roll difference for time consecutive blocks, = 0 for S3-A.
- l. L parameter difference for time consecutive blocks, = 0 for S3-A.
- m. Average of channel 15, PP1 readings.
- n. RMS of the deviations from the channel 15, PP1 average.
- o. Average of channel 15, PP13 readings.
- p. RMS of the deviations from the channel 15, PP13 average.
- q. Number of illegal channel 15 readings this block.

The BCD listing file is created as the events occur. Besides the above information, it also contains reports at the following times:

- a. Processing completed on a primary input tape.
- b. Batch completed.
- c. Whenever any error conditions arise.
- d. End of job.

### 3.3.2 Output Tape Specifications

The logical units on which the tape output by the S-3A MERGE program is written are 18 (primary) and 19 (alternate). The tape is in binary parity and IBM (7040/7094) DCS compatible. It contains one record of 460 words for each 256 frame data block followed by an end of file mark. The format of the 460 word record is as follows:

| <u>Work Number</u> | <u>Contents</u>                                                                                                                                                                                               |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1                  | DCS record number word                                                                                                                                                                                        |
| 2                  | DCS BCI name word                                                                                                                                                                                             |
| 3                  | DCS record control word                                                                                                                                                                                       |
| 4                  | FORTTRAN binary record word count                                                                                                                                                                             |
| 5-79               | A 75 word array containing the orbit and other parameters as described below.                                                                                                                                 |
| 80-335             | A 256 word array where each word contains the channel 8 log number, channel 9 log number, channel 10 log number and the channel 15 CF number for one frame of data. The structure of each word is as follows: |

| <u>Bits</u> | <u>Information Contained</u> |
|-------------|------------------------------|
| 1-10        | Channel 8 log number         |
| 11-19       | Channel 9 log number         |
| 20-28       | Channel 10 log number        |

| <u>Bits</u> | <u>Information Contained</u>                                                                                         |
|-------------|----------------------------------------------------------------------------------------------------------------------|
| 29-36       | Channel 15 comb filter number                                                                                        |
| 336-375     | An array containing the times of each see-sun in eighths of a frame from the start of the block--one entry/see-sun.  |
| 376-415     | An array containing the N2-N3 value for each see-sun in the form $((N2+1) \cdot 10) + (N3+1)$ . -- one entry/see-sun |
| 416-456     | Pad of zeros                                                                                                         |
| 457         | The station-analog tape number representing removed records of similar data                                          |
| 458         | Record No.                                                                                                           |
| 459         | Word in form DDDFFF (D=Day, F=Fraction)                                                                              |
| 460         | Group number - unique representation of station-analog tape                                                          |

#### Parameter Array, PAR (75)

The 75 word parameter array contains time, orbit, and other parameters for the 256 frames of data. The parameters which are variable in 256 frame sequence are expressed as first or second degree polynomials and only their coefficients are given the PAR (75) array. For example:

$$\text{Time, start of frame } N = A + B \cdot N = \text{PAR}(2) + \text{PAR}(3) \cdot N$$

where N can have values 1 through 256 and the time is expressed in fractions of a day. Similarly the orbit parameters, i.e., L value, are given by:

$$L = A + B \cdot N + C \cdot N^2 = \text{PAR}(16) + \text{PAR}(17) \cdot N + \text{PAR}(18) \cdot N^2$$

where L is in earth radii and N as above.

All entries in the PAR(75) array are in floating point and the format is shown in the following table:

| <u>Word Number</u> | <u>Parameter</u>                                          | <u>Units</u> |
|--------------------|-----------------------------------------------------------|--------------|
| 1                  | Day of launch year                                        | Days         |
| 2-3                | Coeff. for fract. of day                                  | Days         |
| 4-6                | Field for coeff. for geographic longitude                 | Radians      |
| 7-9                | Field for coeff. for geographic latitude                  | Radians      |
| 10-12              | Field for coeff. for geocentric distance                  | Km           |
| 13-15              | Field for coeff. for rt. asc. of subsat point             | Radians      |
| 16-18              | Field for coeff. for McIlwain's L parameter               | Earth radii  |
| 19-21              | Field for coeff. for magnetic field strength              | Gamma        |
| 22-24              | Field for coeff. for B/B equator                          | Ratio        |
| 25-27              | Field for coeff. for rt. asc. of magnetic field           | Radians      |
| 28-30              | Field for coeff. for decl. of magnetic field              | Radians      |
| 31-33              | Field for coeff. for sin (decl. of field)                 |              |
| 34-36              | Field for cos (dec. of F) · sin (R.A. of F)               |              |
| 37-39              | Field for coeff. for cos (dec. of F) · cos<br>(R.A. of F) |              |
| 40                 | Field for orbital data quality, = 1 for S3-A              |              |
| 41-43              | Not assigned                                              |              |
| 44                 | Number of see-suns                                        |              |
| 45                 | Not assigned                                              |              |
| 46                 | Wheel position number zeroth frame                        |              |
| 47                 | Quasi clock reading zeroth frame                          |              |
| 48                 | Quasi clock frame count of zeroth frame                   |              |
| 49                 | Rt. asc. of sun                                           | Radians      |
| 50                 | Decl. of sun                                              | Radians      |
| 51                 | Satellite ID number                                       |              |
| 52                 | Station-analog tape number                                | (SSAAA)      |
| 53                 | Not assigned                                              |              |
| 54                 | MERGE prog. production date                               |              |
| 55                 | Production date from edit tape ID record                  |              |
| 56                 | Not assigned                                              |              |
| 57                 | Not assigned                                              |              |
| 58                 | Not assigned                                              |              |
| 59                 | PP1 - Ch. 15 - voltage - average                          |              |
| 60                 | RMS - PP1 - Ch. 15 - voltage                              |              |
| 61                 | PP13 - Ch. 15 - temperature - average                     |              |
| 62                 | PP13 - Ch. 15 - RMS - temperature                         |              |
| 63                 | Number of illegal Ch. 15 readings                         |              |
| 64-75              | Not assigned                                              |              |

# ET CATALOG

The following listing contains time and position information on Explorer 14 for each orbit from orbit zero thru orbit 210. The format of the listing is;

| Column No.    | Contents                                              |
|---------------|-------------------------------------------------------|
| <del>22</del> |                                                       |
| 1             | Tape id number XX, where the complete ID is 13SDXX.   |
| 2             | Orbit Number                                          |
| 3             | Perigee Time (as Day and Fraction of Year 1962 )      |
| 4             | Shadow entry time (4 and 5 are zero on orbit where no |
| 5             | Shadow exit time shadowing was encountered )          |
| 6             | Declination of Perigee (degrees)                      |
| 7             | Right Ascension of Perigee (degrees)                  |
| 8             | Altitude of Perigee (Kilometers)                      |
| 9             | Apogee Time                                           |
| 10            | Altitude of Apogee                                    |

## Notes

1. Each tape should contain time ordered data recorded on three consecutive orbits. The limits on the time span of data on a given tape containing orbits N thru N+2 are the perigee time of orbit N and perigee time of orbit N+3.
2. Tapes 13SD19, 13SD20, 13SD22, and 13SD23 were not generated.   
 *18630 24 18621*
3. Orbit data is missing on 13SD37, 13SD38, 13SD39, and 13SD40.   
 *18601 18605 18648 18649 18650 18651*
4. On tapes 13SD41 and 13SD42 data may be missing and intermixed on the two tapes.   
 *18652 18653*

| TAPES<br>NO. |     | PERIGEE<br>TIME |             | SHADOW TIME (h:m) |       | PERIGEE LOCATION |          |           | APOGEE<br>TIME |  | APOGEE<br>ALT. |  |
|--------------|-----|-----------------|-------------|-------------------|-------|------------------|----------|-----------|----------------|--|----------------|--|
| NO.          | NO. |                 |             | ENTRY             | EXIT  | DEC.             | RT. ASC. | ALT.      |                |  |                |  |
| 01           | 0.  | 275.9323000     | 275.9323000 | 275.9494630       | 15.90 | 294.70           | 6645.    | 276.68994 | 104895.        |  |                |  |
|              | 1.  | 277.4494420     | 277.4496614 | 277.4668284       | 15.73 | 294.57           | 6652.    | 278.20825 | 104885.        |  |                |  |
|              | 2.  | 278.9669418     | 278.9673041 | 278.9840306       | 15.50 | 294.86           | 6653.    | 279.72559 | 104864.        |  |                |  |
| 02           | 3.  | 280.4843723     | 280.4850394 | 280.5012210       | 15.61 | 294.52           | 6661.    | 281.24292 | 104839.        |  |                |  |
|              | 4.  | 282.0018024     | 282.0027685 | 282.0183129       | 15.53 | 294.53           | 6677.    | 282.76025 | 104812.        |  |                |  |
|              | 5.  | 283.5191638     | 283.5204615 | 283.5352077       | 15.17 | 295.06           | 6699.    | 284.27759 | 104853.        |  |                |  |
| 03           | 6.  | 285.0362498     | 285.0380150 | 285.0518551       | 15.27 | 294.78           | 6717.    | 285.79492 | 104840.        |  |                |  |
|              | 7.  | 286.5531223     | 286.5553662 | 286.5681732       | 15.23 | 294.69           | 6732.    | 287.31177 | 104835.        |  |                |  |
|              | 8.  | 288.0699303     | 288.0725900 | 288.0842247       | 14.93 | 295.11           | 6734.    | 288.82837 | 104836.        |  |                |  |
| 04           | 9.  | 289.5867330     | 289.5898920 | 289.6001505       | 14.83 | 295.16           | 6726.    | 290.34497 | 104837.        |  |                |  |
|              | 10. | 291.1036804     | 291.1075585 | 291.1160211       | 14.95 | 294.80           | 6719.    | 291.86157 | 104832.        |  |                |  |
|              | 11. | 292.6209005     | 292.6260103 | 292.6315828       | 14.81 | 294.95           | 6724.    | 293.37964 | 104819.        |  |                |  |
| 05           | 12. | 294.1381942     | 0.0         | 0.0               | 14.61 | 295.19           | 6742.    | 294.89722 | 104800.        |  |                |  |
|              | 13. | 295.6553442     | 0.0         | 0.0               | 14.55 | 295.14           | 6766.    | 296.41382 | 104782.        |  |                |  |
|              | 14. | 297.1720137     | 0.0         | 0.0               | 14.51 | 295.05           | 6790.    | 297.93115 | 104721.        |  |                |  |
| 06           | 15. | 298.6887469     | 0.0         | 0.0               | 14.35 | 295.20           | 6802.    | 299.44775 | 104715.        |  |                |  |
|              | 16. | 300.2054136     | 0.0         | 0.0               | 14.11 | 295.50           | 6804.    | 300.96094 | 104715.        |  |                |  |
|              | 17. | 301.7219416     | 0.0         | 0.0               | 14.38 | 294.87           | 6799.    | 302.48120 | 104719.        |  |                |  |
| 07           | 18. | 303.2386776     | 0.0         | 0.0               | 14.10 | 295.24           | 6790.    | 303.99707 | 104771.        |  |                |  |
|              | 19. | 304.7563171     | 0.0         | 0.0               | 14.00 | 295.18           | 6777.    | 305.51514 | 104773.        |  |                |  |
|              | 20. | 306.2733998     | 0.0         | 0.0               | 13.77 | 295.43           | 6773.    | 307.03174 | 104769.        |  |                |  |
| 08           | 21. | 307.7905529     | 0.0         | 0.0               | 13.63 | 295.54           | 6775.    | 308.54907 | 104760.        |  |                |  |
|              | 22. | 309.3077060     | 0.0         | 0.0               | 13.60 | 295.50           | 6785.    | 310.06665 | 104748.        |  |                |  |
|              | 23. | 310.8247887     | 0.0         | 0.0               | 13.58 | 295.37           | 6801.    | 311.58398 | 104720.        |  |                |  |
| 09           | 24. | 312.3417338     | 0.0         | 0.0               | 13.56 | 295.45           | 6818.    | 313.10059 | 104713.        |  |                |  |
|              | 25. | 313.8584698     | 0.0         | 0.0               | 13.51 | 295.39           | 6827.    | 314.61719 | 104712.        |  |                |  |
|              | 26. | 315.3750671     | 0.0         | 0.0               | 13.44 | 295.39           | 6826.    | 316.13379 | 104717.        |  |                |  |
| 10           | 27. | 316.8917338     | 0.0         | 0.0               | 13.19 | 295.68           | 6814.    | 317.65063 | 104723.        |  |                |  |
|              | 28. | 318.4084698     | 0.0         | 0.0               | 13.34 | 295.31           | 6803.    | 319.16724 | 104739.        |  |                |  |
|              | 29. | 319.9256219     | 0.0         | 0.0               | 13.10 | 295.59           | 6803.    | 320.68457 | 104729.        |  |                |  |
| 11           | 30. | 321.4428443     | 0.0         | 0.0               | 12.98 | 295.65           | 6818.    | 322.19849 | 104713.        |  |                |  |
|              | 31. | 322.9599280     | 0.0         | 0.0               | 13.06 | 295.40           | 6839.    | 323.71875 | 104684.        |  |                |  |
|              | 32. | 324.4770107     | 0.0         | 0.0               | 12.65 | 295.91           | 6855.    | 325.23242 | 104675.        |  |                |  |
| 12           | 33. | 325.9938171     | 0.0         | 0.0               | 12.58 | 295.91           | 6864.    | 326.75269 | 104674.        |  |                |  |
|              | 34. | 327.5105531     | 0.0         | 0.0               | 12.49 | 295.92           | 6864.    | 328.26929 | 104679.        |  |                |  |
|              | 35. | 329.0272915     | 0.0         | 0.0               | 12.45 | 295.85           | 6855.    | 329.78320 | 104686.        |  |                |  |
| 13           | 36. | 330.5440945     | 0.0         | 0.0               | 12.48 | 295.72           | 6843.    | 331.30273 | 104710.        |  |                |  |
|              | 37. | 332.0611111     | 0.          | 0.                | 12.20 | 296.07           | 6832.    | 332.82014 | 104714.        |  |                |  |
|              | 38. | 333.5781944     | 0.          | 0.                | 12.17 | 295.97           | 6826.    | 334.33750 | 104714.        |  |                |  |
| 14           | 39. | 335.0953472     | 0.          | 0.                | 12.26 | 295.72           | 6827.    | 335.85416 | 104708.        |  |                |  |
|              | 40. | 336.6125694     | 0.          | 0.                | 12.16 | 295.76           | 6836.    | 337.37152 | 104699.        |  |                |  |
|              | 41. | 338.1297222     | 0.          | 0.                | 12.09 | 295.75           | 6850.    | 338.88889 | 104690.        |  |                |  |
| 15           | 42. | 339.6468055     | 0.          | 0.                | 11.74 | 296.18           | 6864.    | 340.40555 | 104661.        |  |                |  |
|              | 43. | 341.1636111     | 0.          | 0.                | 11.71 | 296.09           | 6877.    | 341.91944 | 104660.        |  |                |  |
|              | 44. | 342.6802777     | 0.          | 0.                | 11.68 | 296.02           | 6876.    | 343.43611 | 104665.        |  |                |  |
| 16           | 45. | 344.1969444     | 0.          | 0.                | 11.67 | 295.91           | 6866.    | 344.95625 | 104688.        |  |                |  |

|    |     |             |             |             |       |        |       |           |         |
|----|-----|-------------|-------------|-------------|-------|--------|-------|-----------|---------|
| 16 | 46. | 345.7138887 | 0.          | 0.          | 11.53 | 296.03 | 6834. | 346.47292 | 104687. |
|    | 47. | 347.2311111 | 0.          | 0.          | 11.41 | 296.08 | 6854. | 347.99028 | 104676. |
|    | 48. | 348.7484720 | 0.          | 0.          | 11.21 | 296.27 | 6870. | 349.50764 | 104658. |
| 17 | 49. | 350.2656944 | 0.          | 0.          | 11.15 | 296.24 | 6894. | 351.02500 | 104641. |
|    | 50. | 351.7827082 | 0.          | 0.          | 11.17 | 296.11 | 6915. | 352.54166 | 104630. |
|    | 51. | 353.2995833 | 0.          | 0.          | 11.13 | 296.04 | 6927. | 354.05902 | 104609. |
| 18 | 52. | 354.8163887 | 0.          | 0.          | 11.08 | 295.97 | 6927. | 355.57222 | 104610. |
|    | 53. | 356.3332639 | 0.          | 0.          | 10.84 | 296.23 | 6923. | 357.09236 | 104631. |
|    | 54. | 357.8498535 | 0.          | 0.          | 10.76 | 296.22 | 6917. | 358.60902 | 104635. |
| 19 | 55. | 359.3672885 | 0.0         | 0.0         | 10.72 | 296.17 | 6910. | 360.12622 | 104636. |
|    | 56. | 360.8845803 | 0.0         | 0.0         | 10.44 | 296.48 | 6907. | 361.64355 | 104631. |
|    | 57. | 362.4019414 | 0.0         | 0.0         | 10.32 | 296.54 | 6912. | 363.16089 | 104621. |
| 20 | 58. | 363.9193025 | 0.0         | 0.0         | 10.32 | 296.42 | 6926. | 364.67847 | 104608. |
|    | 59. | 365.4365942 | 0.0         | 0.0         | 10.35 | 296.26 | 6945. | 366.19580 | 104578. |
|    | 60. | 366.9537473 | 0.0         | 0.0         | 10.25 | 296.30 | 6959. | 367.70972 | 104567. |
| 21 | 61. | 368.4706914 | 0.0         | 0.0         | 10.24 | 296.19 | 6973. | 369.22974 | 104562. |
|    | 62. | 369.9875671 | 0.0         | 0.0         | 9.94  | 296.52 | 6977. | 370.74634 | 104561. |
|    | 63. | 371.5043725 | 0.0         | 0.0         | 9.98  | 296.34 | 6972. | 372.26318 | 104579. |
| 22 | 64. | 373.0213887 | 0.0         | 0.0         | 9.78  | 296.54 | 6967. | 373.78052 | 104573. |
|    | 65. | 374.5387470 | 0.0         | 0.0         | 9.59  | 296.69 | 6971. | 375.29785 | 104557. |
|    | 66. | 376.0561804 | 0.0         | 0.0         | 9.72  | 296.40 | 6993. | 376.81519 | 104533. |
| 23 | 67. | 377.5736089 | 0.0         | 0.0         | 9.48  | 296.64 | 7023. | 378.33252 | 104509. |
|    | 68. | 379.0909720 | 0.0         | 0.0         | 9.23  | 296.90 | 7052. | 379.84717 | 104471. |
|    | 69. | 380.6078447 | 0.0         | 0.0         | 9.21  | 296.80 | 7071. | 381.36719 | 104461. |
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|    | 72. | 385.1586804 | 0.0         | 0.0         | 8.83  | 296.98 | 7087. | 385.91455 | 104463. |
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|    | 74. | 388.1930533 | 0.0         | 0.0         | 8.94  | 296.61 | 7088. | 388.95190 | 104447. |
|    | 75. | 389.7104838 | 0.0         | 0.0         | 8.77  | 296.75 | 7100. | 390.46729 | 104430. |
| 26 | 76. | 391.2279836 | 0.0         | 0.0         | 8.45  | 297.08 | 7119. | 391.98389 | 104410. |
|    | 77. | 392.7453447 | 0.0         | 0.0         | 8.40  | 297.04 | 7145. | 393.50122 | 104390. |
|    | 78. | 394.2624978 | 0.0         | 0.0         | 8.56  | 296.71 | 7171. | 395.01929 | 104373. |
| 27 | 79. | 395.7795805 | 0.0         | 0.0         | 8.26  | 297.02 | 7191. | 396.53882 | 104362. |
|    | 80. | 397.2964552 | 0.0         | 0.0         | 8.21  | 296.97 | 7194. | 398.05347 | 104342. |
|    | 81. | 398.8133309 | 0.0         | 0.0         | 8.25  | 296.81 | 7194. | 399.57007 | 104336. |
| 28 | 82. | 400.3304861 | 401.6824115 | 401.7293549 | 7.94  | 297.13 | 7193. | 401.09009 | 104337. |
|    | 83. | 401.8477747 | 403.1880437 | 403.2620380 | 8.13  | 296.76 | 7207. | 402.60474 | 104315. |
|    | 84. | 403.3653449 | 404.7014068 | 404.7882134 | 7.85  | 297.04 | 7233. | 404.12207 | 104286. |
| 29 | 85. | 404.8827754 | 406.2187242 | 406.3115980 | 7.76  | 297.06 | 7268. | 405.63940 | 104257. |
|    | 86. | 406.3999968 | 407.7387039 | 407.8334247 | 7.62  | 297.15 | 7301. | 407.15674 | 104221. |
|    | 87. | 407.9170805 | 409.2608959 | 409.3542248 | 7.58  | 297.10 | 7328. | 408.67407 | 104206. |
| 30 | 88. | 409.4339552 | 410.7848566 | 410.8742801 | 7.47  | 297.14 | 7342. | 410.19092 | 104196. |
|    | 89. | 410.9508309 | 412.3102893 | 412.3936766 | 7.43  | 297.10 | 7348. | 411.70752 | 104190. |
|    | 90. | 412.4677749 | 413.8369828 | 413.9124321 | 7.46  | 296.94 | 7349. | 413.22485 | 104184. |
| 31 | 91. | 413.9849280 | 415.3647281 | 415.4304221 | 7.18  | 297.23 | 7352. | 414.74146 | 104183. |
|    | 92. | 415.5021504 | 416.8936439 | 416.9475499 | 7.15  | 297.18 | 7359. | 416.25879 | 104170. |
|    | 93. | 417.0195137 | 418.4239326 | 418.4631188 | 7.17  | 297.05 | 7373. | 417.77637 | 104151. |
| 32 | 94. | 418.5359420 | 0.0         | 0.0         | 7.02  | 297.15 | 7395. | 419.29370 | 104128. |
|    | 95. | 420.0542360 | 0.0         | 0.0         | 7.05  | 297.01 | 7423. | 420.81104 | 104105. |

|    |      |             |     |     |      |        |       |           |         |
|----|------|-------------|-----|-----|------|--------|-------|-----------|---------|
| 33 | 96.  | 421.5714552 | 0.0 | 0.0 | 6.62 | 297.48 | 7452. | 422.32837 | 104086. |
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| 35 | 103. | 432.1912473 | 0.0 | 0.0 | 6.15 | 297.44 | 7556. | 432.94849 | 103965. |
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|    | 105. | 435.2253445 | 0.0 | 0.0 | 5.95 | 297.45 | 7611. | 435.98315 | 103929. |
| 36 | 106. | 436.7420805 | 0.0 | 0.0 | 6.10 | 297.14 | 7624. | 437.49927 | 103921. |
|    | 107. | 438.2588859 | 0.0 | 0.0 | 6.02 | 297.16 | 7629. | 439.01660 | 103916. |
|    | 108. | 439.7757615 | 0.0 | 0.0 | 5.98 | 297.12 | 7629. | 440.53320 | 103912. |
| 37 | 109. | 441.2927749 | 0.0 | 0.0 | 5.86 | 297.17 | 7630. | 442.04980 | 103906. |
|    | 110. | 442.8099280 | 0.  | 0.  | 5.68 | 297.32 | 7633. | 443.56787 | 103895. |
|    | 111. | 444.3271528 | 0.  | 0.  | 5.59 | 297.35 | 7643. | 445.08472 | 103870. |
| 38 | 112. | 445.8444442 | 0.  | 0.  | 5.47 | 297.42 | 7661. | 446.60208 | 103857. |
|    | 113. | 447.3616666 | 0.  | 0.  | 5.37 | 297.45 | 7686. | 448.11944 | 103838. |
|    | 114. | 448.8787498 | 0.  | 0.  | 5.13 | 297.66 | 7712. | 449.63680 | 103828. |
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|    | 119. | 456.4629166 | 0.  | 0.  | 5.05 | 297.29 | 7733. | 457.22083 | 103785. |
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|    | 135. | 480.7343748 | 0.  | 0.  | 3.71 | 297.54 | 7885. | 481.49236 | 103674. |
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2.84 297.61 7918. 498.17986 103627.  
 2.82 297.55 7917. 499.69653 103603.  
 2.82 297.59 7926. 501.21389 103595.  
 2.76 297.45 7939. 502.73125 103586.  
 2.53 297.65 7954. 504.24791 103579.  
 2.56 297.52 7965. 505.76527 103578.  
 2.54 297.43 7957. 507.28194 103612.  
 2.38 297.53 7945. 508.79861 103619.  
 2.33 297.51 7929. 510.31597 103620.  
 2.24 297.53 7925. 511.83333 103610.  
 2.29 297.37 7940. 513.35059 103593.  
 2.10 297.54 7972. 514.86792 103548.  
 1.97 297.61 7993. 516.38452 103538.  
 1.83 297.70 8003. 517.90186 103536.  
 1.96 297.44 8004. 519.41870 103540.  
 1.93 297.39 7994. 520.93530 103567.  
 2.03 297.18 7983. 522.45190 103574.  
 1.64 297.57 7972. 523.96924 103578.  
 1.62 297.52 7966. 525.48657 103578.  
 1.74 297.28 7966. 527.00415 103573.  
 1.54 297.44 7974. 528.52148 103521.  
 1.46 297.35 8028. 530.03882 103501.  
 1.43 297.30 8042. 531.55615 103487.  
 1.27 297.40 8046. 533.07349 103485.  
 1.20 297.41 8047. 534.58936 103494.  
 1.02 297.65 8008. 536.10815 103536.  
 1.03 297.54 8016. 537.62549 103533.  
 0.74 297.81 8015. 539.14233 103534.  
 0.91 297.50 8010. 540.65894 103536.  
 0.71 297.65 8005. 542.17554 103535.  
 0.88 297.35 8002. 543.69360 103532.  
 0.59 297.60 8005. 545.21094 103523.  
 0.65 297.45 8016. 546.72827 103462.  
 0.49 297.57 8073. 548.24512 103465.  
 0.25 297.78 8065. 549.76245 103468.  
 0.32 297.61 8058. 551.27979 103468.  
 0.21 297.67 8056. 552.79712 103463.  
 0.26 297.53 8061. 554.31250 103474.  
 0.14 297.61 8076. 555.83179 103462.  
 -0.08 297.79 8094. 557.34912 103448.  
 -0.13 297.76 8113. 558.86646 103436.  
 0.09 297.42 8128. 560.38379 103429.  
 -0.35 297.85 8135. 561.90063 103428.  
 -0.24 297.64 8131. 563.41724 103422.  
 -0.27 297.58 8115. 564.93457 103417.  
 -0.37 297.61 8116. 566.45190 103401.  
 -0.54 297.72 8136. 567.96997 103377.  
 -0.51 297.61 8170. 569.48804 103369.  
 -0.72 297.78 8204. 571.00537 103351.  
 -0.57 297.52 8224. 572.52271 103340.

|          |      |             |             |             |       |        |        |           |           |
|----------|------|-------------|-------------|-------------|-------|--------|--------|-----------|-----------|
| 66 cont. | 196. | 573.2809001 | 574.7928979 | 573.2922726 | -0.84 | 297.76 | 8233.  | 574.03955 | 103335.   |
|          | 197. | 574.7979144 | 576.3101240 | 574.809     | 24    | -0.84  | 297.65 | 8234.     | 575.55688 |
|          | 198. | 576.3150665 | 577.8274936 | 576.3266560 | -0.96 | 297.74 | 8232.  | 577.07349 | 103305.   |
| 67       | 199. | 577.8323582 | 579.3450114 | 577.8443242 | -1.18 | 297.87 | 8229.  | 578.59082 | 103300.   |
|          | 200. | 579.3497194 | 580.8626307 | 579.3619213 | -1.08 | 297.68 | 8232.  | 580.10815 | 103291.   |
|          | 201. | 580.8672192 | 582.3802926 | 580.8796309 | -1.15 | 297.68 | 8241.  | 581.62622 | 103277.   |
| 68       | 202. | 582.3847893 | 583.8979356 | 582.3973614 | -1.34 | 297.83 | 8257.  | 583.14355 | 103270.   |
|          | 203. | 583.9022892 | 585.4153483 | 583.9150857 | -1.37 | 297.81 | 8285.  | 584.66089 | 103252.   |
|          | 204. | 585.4195809 | 586.9325356 | 585.4325517 | -1.51 | 297.89 | 8310.  | 586.17847 | 103236.   |
| 69       | 205. | 586.9365942 | 588.4495682 | 586.9497970 | -1.46 | 297.75 | 8331.  | 587.69580 | 103225.   |
|          | 206. | 588.4534700 | 589.9666005 | 588.4668548 | -1.48 | 297.70 | 8341.  | 589.21240 | 103219.   |
|          | 207. | 589.9704140 | 591.4837458 | 589.9839085 | -1.72 | 297.89 | 8340.  | 590.72900 | 103215.   |
|          | 208. | 591.4873581 | 593.0015169 | 591.5010594 | -1.58 | 297.68 | 8333.  | 592.24634 | 103196.   |
|          | 209. | 593.0049973 | 594.5194948 | 593.0188178 | -1.72 | 297.76 | 8338.  | 593.76367 | 103178.   |
|          | 210. | 594.5227748 | 0.          | 594.5367922 | -1.69 | 297.64 | 8360.  | 595.28174 | 103150.   |

CARD TOTAL

DAY 228

8/16/61

Day 228-233

8/16/61-

8/21/61

|                   |              |              |              |               |              |              |              |
|-------------------|--------------|--------------|--------------|---------------|--------------|--------------|--------------|
| 0001 000127000001 | 606046646301 | 000000200711 | 000710000001 | 210710000000  | 176526563272 | 156767642104 | 177774532034 |
| 0049 164421041422 | 547404225641 | 600412376137 | 562450212601 | 146461272700  | 216621314773 | 201620700000 | 560427344062 |
| 0097 200731605100 | 164502346314 | 546764440600 | 202570442612 | 166417150142  | 546436413764 | 215446020544 | 601555161523 |
| 0145 165430067654 | 202754000376 | 166677356050 | 547656236315 | 200604366714  | 164542012601 | 550567355422 | 175637663267 |
| 0193 563474435341 | 127414336750 | 175637105375 | 563472732540 | 541446411474  | 200536345121 | 164412504264 | 550542077277 |
| 0241 200561505470 | 563715240611 | 147474455045 | 201400000000 | 174603753000  | 176467204166 | 172443532672 | 206460000000 |
| 0289 207534000000 | 204500000000 | 172443532672 | 201400000000 | 202504662603  | 176756267671 | 202600000000 | 216527640000 |
| 0337 201400000000 | 220742424000 | 213463000000 | 000000000000 | 207617753412  | 207617753412 | 205560000000 | 000000000000 |
| 0385 206600000000 | 000000000000 | 203600000000 | 000000000000 | 000000000000  | 000000000000 | 000000000000 | 000000000000 |
| 0433 000000000000 | 000000000000 | 000000000000 | 000000000000 | 000000000000  | 000000000000 | 000000000000 | 341534166440 |
| 0481 347656305427 | 347660705432 | 336656312547 | 275635705547 | 214137231147  | 330205674147 | 344651312464 | 347660710073 |
| 0529 344660710065 | 324646400075 | 220615267444 | 265512616046 | 333630705460  | 347653712462 | 344662710057 | 220644674036 |
| 0577 214021135027 | 000011137032 | 200400116147 | 000000126147 | 1500000050434 | 156400000104 | 200400105056 | 000000131473 |
| 0625 000000126064 | 200400137076 | 164400116044 | 150000005447 | 000000034460  | 200400105062 | 200400126056 | 200451537036 |
| 0673 200400137027 | 150000000032 | 150000000072 | 200400112000 | 000000126147  | 000000000147 | 000000131451 | 164400126073 |
| 0721 141000074463 | 164400000075 | 000000122044 | 214000000047 | 000000126060  | 200400137062 | 156400050457 | 000000000035 |
| 0769 200400067427 | 000000122032 | 000000137147 | 000000135147 | 0000051516045 | 150000050432 | 164400000043 | 200400112075 |
| 0817 000000131464 | 000051535076 | 000032135044 | 156400101050 | 000000034460  | 000000000062 | 000000126056 | 000000126035 |
| 0865 315565660427 | 341400000031 | 347656310037 | 344660710103 | 333653710000  | 255222301147 | 237400216036 | 336617703473 |
| 0913 344651310064 | 347656310076 | 341656312444 | 000244712447 | 225575662460  | 315560256062 | 336635712457 | 214242274035 |
| 0961 164522126027 | 000107000033 | 164516522147 | 156400116147 | 200537131545  | 156507116040 | 156507126031 | 000125522073 |
| 1009 200400000066 | 164507000076 | 164512520044 | 000122126047 | 164512520060  | 164465074462 | 164465116056 | 000107105035 |
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| 1105 164522116064 | 200507131475 | 164522126044 | 200525526046 | 164525526060  | 000134000062 | 164522122056 | 237516400036 |
| 1153 250570233427 | 250575642432 | 232570236147 | 200544606547 | 164400135147  | 237544606547 | 250563233541 | 250573240073 |
| 1201 237575636065 | 324400222471 | 156400153044 | 214076137046 | 244560222460  | 255170236062 | 255175642457 | 261160240036 |
| 1249 225400242427 | 164476150032 | 250507025447 | 265570254046 | 271573262434  | 271573265120 | 261170256133 | 000134220473 |
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| 1345 333633305427 | 336646712432 | 333651310107 | 321242310147 | 244610274147  | 261116631147 | 321215301127 | 333644710074 |
| 1393 336651310064 | 333646710076 | 305633305444 | 000147651447 | 311560254060  | 330230705462 | 336644710057 | 311642305435 |
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| 1537 336617676427 | 000251312432 | 352662712440 | 347662710116 | 336651312546  | 237617674147 | 000134240115 | 344635710071 |
| 1585 352653710063 | 352662710075 | 344660712444 | 321246712447 | 232570262460  | 330205676462 | 347400310057 | 347653712435 |
| 1633 344660710027 | 336646712432 | 261217703547 | 255112631147 | 341624710135  | 347651312434 | 347660712510 | 341656312473 |
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| 1825 000000000027 | 150000000032 | 156400000147 | 000000050547 | 156400000147  | 156400000147 | 156400000076 | 156400000073 |
| 1873 156400000065 | 156400000076 | 156400000944 | 156400050446 | 156400000060  | 156400000062 | 156400000056 | 164400034441 |
| 1921 000000000027 | 000000050431 | 000000000143 | 172400000041 | 000000000037  | 000000067535 | 000000034471 | 000000000073 |
| 1969 000000034464 | 000000050474 | 000000000044 | 000000000046 | 000000050460  | 000000000062 | 000000050457 | 206460000000 |
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| 2065 211727000000 | 212406000000 | 212440400000 | 212472400000 | 212525000000  | 212557400000 | 212611000000 | 212643400000 |
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| 2161 213510400000 | 213525400000 | 213542600000 | 213550000000 | 213575000000  | 213612200000 | 213627400000 | 213644200000 |
| 2209 213661400000 | 213676600000 | 213714000000 | 213731000000 | 213746200000  | 213763400000 | 000000000000 | 000000000000 |
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| 2401 000000000000 | 000000000000 | 000000000000 | 000000000000 | 000000000000  | 000000000000 | 000000000000 | 000000000000 |
| 2449 000000000000 | 000000000000 | 000000000000 | 000000000000 | 000000000000  | 000000000000 | 000000000000 | 000000000000 |
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| 2593 000000000000 | 000000000000 | 000000000000 | 000000000000 | 000000000000  | 000000000000 | 000000000000 | 000000000000 |
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| 2737 000000000000 | 201400000000 | 222675507000 | 201400000000 |               |              |              |              |

|                   |              |              |              |              |              |              |              |
|-------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 0001 000127000002 | 606046646301 | 200711200711 | 000710000001 | 210710000000 | 176530542774 | 156767675573 | 200416711646 |
| 0049 164401133513 | 546760456407 | 600416646721 | 562402765605 | 146427645022 | 216635725420 | 201620143453 | 560422355754 |
| 0097 200755321664 | 164462310101 | 546722110222 | 202611333141 | 166414561260 | 143404444327 | 215420240451 | 601512613574 |

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D-8553

0380#1

FILE 0001 REC 0002 CH 2760

|      |              |               |              |               |                |               |              |              |
|------|--------------|---------------|--------------|---------------|----------------|---------------|--------------|--------------|
| 0145 | 164750240127 | 203403673720  | 166665646521 | 550534462241  | 200631326015   | 164503611361  | 547421455127 | 175521364046 |
| 0193 | 563440536625 | 150441051305  | 175521057540 | 563437527611  | 150436602564   | 200555721445  | 163723005706 | 547571317453 |
| 0241 | 200543501135 | 563675601625  | 537513263152 | 201400000000  | 200751706500   | 176467203323  | 171741227713 | 206450000000 |
| 0289 | 207534000000 | 204500000000  | 171741227713 | 201400000000  | 202504662603   | 176756267671  | 202600000000 | 216527640000 |
| 0337 | 201400000000 | 220742424000  | 213463000000 | 000000000000  | 570434500000   | 164510640000  | 205560000000 | 000000000000 |
| 0385 | 206600000000 | 000000000000  | 204443000000 | 000000000000  | 000000000000   | 000000000000  | 000000000000 | 000000000000 |
| 0433 | 000000000000 | 000000000000  | 000000000000 | 000000000000  | 000000000000   | 000000000000  | 000000000000 | 333512574036 |
| 0481 | 344644710027 | 347656310032  | 344656312523 | 333644712547  | 250610276547   | 311541656147  | 341635712463 | 347656312473 |
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| 0673 | 000032135027 | 200400131432  | 156400063042 | 020000067543  | 21400000150147 | 000000150147  | 000000153051 | 200400137000 |
| 0721 | 156400105064 | 156400050476  | 000051512045 | 000000135047  | 214000144060   | 000000135062  | 000000137057 | 156400074435 |
| 0769 | 164400050427 | 000000116031  | 000000137147 | 214000131547  | 000000135121   | 000000126033  | 156400063043 | 200400112073 |
| 0817 | 214051550064 | 000000137076  | 214000000044 | 200400000047  | 156400063060   | 164400000062  | 000000112057 | 265472201436 |
| 0865 | 066000256027 | 341626312432  | 347646712443 | 347656312440  | 344656312542   | 000237712547  | 225565665036 | 321165667473 |
| 0913 | 344635712470 | 347653712476  | 347653712444 | 000246712446  | 000233312460   | 265544654062  | 336622305456 | 214235676436 |
| 0961 | 214122131427 | 000000126032  | 164502400147 | 164516531547  | 000076112147   | 164512522000  | 164472116031 | 153476101073 |
| 1009 | 164400116064 | 164476000075  | 000076074444 | 156502501046  | 000000112060   | 164400105062  | 164516516056 | 200531122037 |
| 1057 | 000125535027 | 164502522032  | 200525522130 | 0001311131436 | 214134135043   | 214131135146  | 000122126000 | 000000126073 |
| 1105 | 200400135063 | 200516400073  | 164522122044 | 156507122046  | 214125531400   | 000122116062  | 200531131456 | 220525535036 |
| 1153 | 250566231027 | 250563233432  | 250570236137 | 000000222547  | 200537163547   | 225507161147  | 237547616141 | 250573233473 |
| 1201 | 250565636064 | 244563233476  | 000144611045 | 000000137046  | 225537201460   | 250565631062  | 237563233456 | 265570236036 |
| 1249 | 261165656027 | 200400225032  | 237400171547 | 271547654115  | 271565665034   | 271573267444  | 265570265000 | 250560256073 |
| 1297 | 000107206464 | 000000236076  | 271400000044 | 275575665047  | 275575667460   | 261163262400  | 214000240056 | 271476204035 |
| 1345 | 324617705427 | 336642312432  | 336644712445 | 333644712547  | 311624712547   | 220560256147  | 315570265127 | 336630712475 |
| 1393 | 336637712463 | 336642312476  | 330242312445 | 265617703447  | 271544654060   | 324616303462  | 336637712457 | 311637710035 |
| 1441 | 305624701027 | 271610000032  | 214152640147 | 261141633547  | 305610267400   | 311622276432  | 311624703522 | 000222276473 |
| 1489 | 255300662463 | 225531222475  | 271570254044 | 000222274047  | 311624676460   | 305626276462  | 275612674056 | 265570256035 |
| 1537 | 324573274027 | 352644712432  | 355656312441 | 355662712445  | 347662712547   | 324642312547  | 250565665115 | 341610303473 |
| 1585 | 352651312465 | 355662710075  | 352662712444 | 344656312446  | 271633310060   | 311400265062  | 347633312457 | 347651312436 |
| 1633 | 352656312427 | 347653712432  | 000000312547 | 250573274147  | 333605703547   | 347644712547  | 352656312510 | 347656312473 |
| 1681 | 341651312465 | 000230712472  | 265400254044 | 341400310046  | 352653712460   | 352656310062  | 347653712456 | 214235400036 |
| 1729 | 000021000027 | 164400050431  | 000076116000 | 000065137034  | 164516531452   | 200400135147  | 164451463103 | 156400050473 |
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| 1825 | 156400000027 | 156400000032  | 156400000147 | 156400000147  | 156400000547   | 156400000147  | 156400000076 | 156400000073 |
| 1873 | 156400000064 | 156400000000  | 156400000044 | 156400000046  | 156400000060   | 156400000062  | 150000000056 | 164400000036 |
| 1921 | 172400000027 | 000000000032  | 000000000147 | 000000000101  | 0000000050434  | 000000000055  | 000000000070 | 164400050473 |
| 1969 | 000000000063 | 0000000050475 | 000000000044 | 000000000047  | 000000000060   | 000000000062  | 000000000056 | 000000000000 |
| 2017 | 206670000000 | 207660000000  | 210500000000 | 210652000000  | 211412000000   | 211476000000  | 211563000000 | 211647000000 |
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| 2113 | 212700400000 | 212733000000  | 212765400000 | 213407600000  | 213425000000   | 213444000000  | 213457200000 | 213474200000 |
| 2161 | 213511400000 | 213526600000  | 213543600000 | 213561000000  | 213576200000   | 213613200000  | 213630200000 | 213645600000 |
| 2209 | 213663000000 | 213700000000  | 213715200000 | 213732200000  | 213747400000   | 213764600000  | 000000000000 | 000000000000 |
| 2257 | 000000000000 | 000000000000  | 000000000000 | 000000000000  | 000000000000   | 000000000000  | 000000000000 | 000000000000 |
| 2305 | 000000000000 | 000000000000  | 000000000000 | 000000000000  | 000000000000   | 000000000000  | 000000000000 | 000000000000 |
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| 2401 | 000000000000 | 000000000000  | 000000000000 | 000000000000  | 000000000000   | 000000000000  | 000000000000 | 000000000000 |
| 2449 | 000000000000 | 000000000000  | 000000000000 | 000000000000  | 000000000000   | 000000000000  | 000000000000 | 000000000000 |
| 2497 | 000000000000 | 000000000000  | 000000000000 | 000000000000  | 000000000000   | 000000000000  | 000000000000 | 000000000000 |
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| 2593 | 000000000000 | 000000000000  | 000000000000 | 000000000000  | 000000000000   | 000000000000  | 000000000000 | 000000000000 |
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FILE 0001 REC 0003 CH 2760

|      |               |              |              |              |              |              |              |              |
|------|---------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 0061 | 000127000003  | 605046646301 | 200711207111 | 000710000001 | 210710000000 | 176532522565 | 156767732264 | 200436360361 |
| 0045 | 163743410691  | 546715505326 | 600422460046 | 561701650345 | 145737343653 | 216652317407 | 201616472274 | 000000000000 |
| 0097 | 201400026376  | 164443641422 | 546723212474 | 202632214057 | 166415566314 | 546545710601 | 214771135133 | 601454633004 |
| 0145 | 164704530663  | 203421263006 | 166651164672 | 550766106035 | 200655255326 | 164454557473 | 543706227245 | 175423305047 |
| 0193 | 562732741034  | 124414336750 | 175423132953 | 562731670446 | 537665722555 | 200573716043 | 163635015645 | 546514126506 |
| 0241 | 2005254111373 | 563663405300 | 545735416274 | 201400000000 | 200672425100 | 176467224633 | 172427715451 | 206460000000 |

FILE 0001 REC 0007 CH 2760

|      |              |              |              |              |              |              |              |              |
|------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
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FILE 0001 REC 0008 CH 2760

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