

548

ISEE-3

CDAW DATA SETS FOR 3.0

78-079A-01C,01E,02F

~~78-079A-01C,01E,02F~~

548	78-079A-01C	SPHE-00206	ISEE-3
548	78-079A-01E	SPHE-00151	ISEE-3
548	78-079A-02F	SPHE-00073	ISEE-3

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 This inventory information is now no longer maintained in the DSCs, but is now managed in the inventory part of the NSSDC information system.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

ISEE 3

BASIC SOLAR WIND PARAMETERS, TAPE

78-079A-01C SPHE-00206

This data set has been restored. There was originally one 9-track, 1600 BPI tape written in ASCII. There is one restored tape. The DR tape is a 3480 cartridge and the DS tape is 9-track, 6250 BPI. The original tape was created on a VAX11 computer and the restored tape was created on an IBM 9021 computer. The DR and DS numbers along with the corresponding D number are as follows:

DR#	DS#	D#	FILES	TIME SPAN
-----	-----	-----	-----	-----
DR005363	DS005363	D046011	1	03/22/79 - 04/01/79

REQ. AGENT

LSM

REQ. NO.

V0144

ACQ. AGENT

DMS

ISEE 3

BASIC SOLAR WIND PARAMETERS

78-079A-01C

This data set catalog consists of 1 tape(s). The tape(s) are 9 track, 1600 bpi, ascii with 4 file(s) of data. The time span D and C numbers are as follows:

<u>D#</u>	<u>C#</u>	<u>TIME SPAN</u>
D-46011	C-21621	3/22/79-4/1/79

Los Alamos

Los Alamos National Laboratory
Los Alamos, New Mexico 87545

DATE 17 August 1981
IN REPLY REFER TO: SSO:81-894
MAIL STOP: 436
TELEPHONE: 7-3897

Dr. James I. Vette
CDB-6 Workshop
Code 601
NASA Goddard Space Flight Center
Greenbelt, MD 20771

Dear Dr. Vette:

In response to your request for data for CDAW 6, we have produced tape containing the basic solar wind parameters indicated below the time periods March 22 from 0550 to 1946 UT and March 31 from 1200 to April 1 at 0600 UT. The specifics for the tape are:

ANSI standard labeled tape
(LABEL = IMSIMS)
Has HDR 3
Written on VAX - 11/780, VMS revision 1
Block size = 2048 bytes
1600 BPI
Odd Parity
1 file with 5260 records
Format: (2I6, 9E12.5/4E12.5)
2630 spectra with 15 elements per

LOCATION	NAME	FORMAT	DESCRIPTION
1	IYMD	I6	Year, Month,
2	IYRDOY	I6	Year, Day of ,
3	TIME	E12.5	Seconds of day
4	RPM	E12.5	Spacecraft spin r.
5	GSEX	E12.5	X-axis, positive to.
6	GSEY	E12.5	Y-axis, positive towa.
7	GSEZ	E12.5	Z-axis, positive towaro
8	DENS	E12.5	Density (cm ⁻³)
9	VO	E12.5	Bulk Velocity (km/sec)
10	PHI	E12.5	Bulk flow angle (deg)
11	TPAR	E12.5	Parallel temperature (k°)
12	TPER	E12.5	Perpendicular temperature (k°)
13	PSIT	E12.5	Angle of parallel temperature (deg.
14	TAVE	E12.5	Average temperature (k°)
15	TPAR/TPER	E12.5	Temperature ratio - anisotropy

The tape is being sent under separate cover. Sorry about the delay.

Sincerely,

Ron Zwickl

Ron Zwickl

CY: CRMO (2), MS 150
Sam Bame, SSO Equal Opportunity Employer/Operated by University of California

CDAW
Date Recd.
Data
Mr.

D-46011
3/22/79-4/1/79

INPUT TAPE X-393 ON MT2
DATA INPUT H9 NF 4 FL 4 1 1

FILE	1	RECORD	1	LENGTH	80BYTES
(0)	564F4C31	494D5349	4D532020	20202020	20202020 20202020 20202020 20202020 20202020 20442543
(40)	20202020	20202020	20203120	20202020	20202020 20202020 20202020 20202020 20202020 20202033

FILE	1	RECORD	4	LENGTH	80BYTES
(0)	48445233	30303738	30313032	30303030	30303030 30303031 30303030 30303030 30303030 30303030
(40)	30303030	30303030	30303030	30303030	30303030 30303030 30303030 20202020 20202020 20202020

FILE	INPUT	DATA RECORDS	MAX.	READ ERROR SUMMARY				INPUT RETRIES		
	RECS.	INPUT	SIZE	PERM	ZERO	B	SHORT	UNDEF.	#RECS.	TOTAL#
1	4	5	80	0	0	0	0	0	0	0

FILE	2	RECORD	79	1	3	LENGTH	2048BYTES
(0)	30313234	37393033	32322037	39303831	20322E31	30333035	452B3034 20312E39 38353030 452B3031
(40)	20322E33	36393030	452B3032	2D392E31	35373430	452B3031	20312E30 39393930 452B3031 20312E32
(80)	37393530	452B3031	20332E34	35303130	452B3032	20312E30	33373430 452B3030 20362E36 37333930
(120)	452B3034	30303532	20332E39	33363730	452B3034	20312E30	33353830 452B3032 20342E38 34393130
(160)	452B3034	20312E36	39353330	452B3030	30313234	37393033	32322037 39303831 20322E31 30353436
(200)	452B3034	20312E39	38353030	452B3031	20322E33	36393030	452B3032 2D392E31 35373430 452B3031
(240)	20312E30	39393930	452B3031	20312E32	34393230	452B3031	20332E34 32373430 452B3032 20312E33
(280)	34383030	452B3030	20352E37	36353330	452B3034	30303532	20332E35 36383430 452B3034 20312E30
(320)	35333930	452B3032	20342E33	30303730	452B3034	20312E36	31353730 452B3030 30313234 37393033
(360)	32322037	39303831	20322E31	30373839	452B3034	20312E39	38353030 452B3031 20322E33 36393030
(400)	452B3032	2D392E31	35373430	452B3031	20312E30	39393930	452B3031 20312E31 38363130 452B3031
(440)	20332E34	30303830	452B3032	20312E38	31363330	452B3030	20352E34 38363030 452B3034 30303532
(480)	20332E35	32363230	452B3034	20312E30	37373730	452B3032	20342E31 37393430 452B3034 20312E35
(520)	35353830	452B3030	30313234	37393033	32322037	39303831	20322E31 31303330 452B3034 20312E39
(560)	38353030	452B3031	20322E33	36393030	452B3032	2D392E31	35373530 452B3031 20312E30 39393930
(600)	452B3031	20312E31	33383330	452B3031	20332E33	35323430	452B3032 20322E31 33363230 452B3030
(640)	20362E32	31333230	452B3034	30303532	20342E30	30363330	452B3034 20312E30 39303630 452B3032
(680)	20342E37	34313930	452B3034	20312E35	35303930	452B3030	30313234 37393033 32322037 39303831
(720)	20322E31	31323731	452B3034	20312E39	38353030	452B3031	20322E33 36393030 452B3032 2D392E31
(760)	35373530	452B3031	20312E30	39393930	452B3031	20312E33	33323830 452B3031 20332E33 39303730
(800)	452B3032	20322E32	34393230	452D3031	20352E34	38353230	452B3034 30303532 20342E30 39303530
(840)	452B3034	20312E34	32383530	452B3032	20342E35	35353430	452B3034 20312E33 34313030 452B3030
(880)	30313234	37393033	32322037	39303831	20322E31	31353134	452B3034 20312E39 38353030 452B3031
(920)	20322E33	36393030	452B3032	2D392E31	35373630	452B3031	20312E30 39393930 452B3031 20312E33
(960)	38373830	452B3031	20332E34	31373730	452B3032	2D312E36	30313030 452D3031 20342E37 31363530
(1000)	452B3034	30303532	20352E30	37303530	452B3034	20332E37	38313930 452B3031 20342E39 35323530
(1040)	452B3034	20392E33	30313930	452D3031	30313234	37393033	32322037 39303831 20322E31 31373535
(1080)	452B3034	20312E39	38353030	452B3031	20322E33	36393030	452B3032 2D392E31 35373630 452B3031
(1120)	20312E30	39393930	452B3031	20312E32	34383030	452B3031	20332E35 33343730 452B3032 20312E37
(1160)	37333730	452B3030	20372E37	35303830	452B3034	30303532	20332E36 32303130 452B3034 20392E30
(1200)	38343630	452B3031	20342E39	39373030	452B3034	20322E31	34313030 452B3030 30313234 37393033
(1240)	32322037	39303831	20322E31	31393935	452B3034	20312E39	38353030 452B3031 20322E33 36393030
(1280)	452B3032	2D392E31	35373730	452B3031	20312E30	39393830	452B3031 20312E31 31353630 452B3031
(1320)	20332E33	38353830	452B3032	20362E30	34373530	452D3032	20342E34 39393730 452B3034 30303532
(1360)	20352E35	37363730	452B3034	20312E30	37383330	452B3031	20352E32 31373730 452B3034 20382E30
(1400)	36383830	452D3031	30313234	37393033	32322037	39303831	20322E31 33343435 452B3034 20312E39
(1440)	38353030	452B3031	20322E33	36393030	452B3032	2D392E31	35383030 452B3031 20312E30 39393730
(1480)	452B3031	20312E31	30393430	452B3031	20332E33	36333730	452B3032 20312E38 37373330 452B3030
(1520)	20342E35	36313730	452B3034	30303532	20332E37	34343630	452B3034 20312E32 32363430 452B3032
(1560)	20342E30	31373030	452B3034	20312E32	31383230	452B3030	30313234 37393033 32322037 39303831
(1600)	20322E31	33363839	452B3034	20312E39	38353030	452B3031	20322E33 36393030 452B3032 2D392E31
(1640)	35383030	452B3031	20312E30	39393730	452B3031	20312E30	39353430 452B3031 20332E33 34383230
(1680)	452B3032	20312E35	37323930	452B3030	20342E36	39313230	452B3034 30303532 20332E39 35333830
(1720)	452B3034	20312E33	30343030	452B3032	20342E31	39393630	452B3034 20312E31 38363530 452B3030
(1760)	30313234	37393033	32322037	39303831	20322E31	33393239	452B3034 20312E39 38353030 452B3031

(40) 31203831 32323920 30303030 30203030 30323430 44454346 49404531 31412020 20202020 20202020

FILE 3 RECORD 3 LENGTH 80BYTES
(0) 454F4633 30303738 30313032 30303030 30303030 30303031 30303030 30303030 30303030 30303030
(40) 30303030 30303030 30303030 30303030 30303030 30303030 30303030 20202020 20202020 20202020

FILE	INPUT RECS.	DATA RECORDS INPUT	MAX. SIZE	READ ERROR SUMMARY				INPUT RETRIES	
				PERM	ZERO B	SHORT	UNDEF.	#RECS.	TOTAL#
3	3	4	80	0	0	0	0	0	0

FILE 4 RECORD 1 LENGTH 80BYTES
(0) 48445231 464F5230 2E444154 20202020 20202020 20494053 49405330 30303130 30303230 30303130
(40) 30203831 32323920 38313232 39203030 30303030 44454346 49404531 31412020 20202020 20202020

FILE 4 RECORD 3 LENGTH 80BYTES
(0) 48445233 30303738 30313032 30303030 30303030 30303031 30303030 30303030 30303030 30303030
(40) 30303030 30303030 30303030 30303030 30303030 30303030 30303030 20202020 20202020 20202020

FILE	INPUT RECS.	DATA RECORDS INPUT	MAX. SIZE	READ ERROR SUMMARY				INPUT RETRIES	
				PERM	ZERO B	SHORT	UNDEF.	#RECS.	TOTAL#
4	3	4	80	0	0	0	0	0	0

EOJ DUMP STOPPED AFTER FILE 4 # OF PERMANENT READ ERRORS 0

START TIME 08/27/81 20:14:34 STOP TIME 08/27/81 20:15:01

ISEE 3

SOLAR WIND DATA, 24-SEC

78-079A-01E SPHE-00151

This data set has been restored. There was originally one 9-track, 1600 BPI tape written in ASCII. There is one restored tape. The DR tape is a 3480 cartridge and the DS tape is 9-track, 6250 BPI. The original tape was created on an IBM 360 computer and the restored tape was created on an IBM 9021 computer. The DR and DS numbers along with the corresponding D number are as follows:

DR#	DS#	D#	FILES	TIME SPAN
-----	-----	-----	-----	-----
DR005410	DS005410	D047451	1 - 3	03/22/79 - 04/01/79

REQ. AGENT

LSM

REQ. NO.

V0144

ACQ. AGENT

DMS

ISEE 3
SOLAR WIND PLASMA
78-079A-01E

This data set catalog consists of 1 tape(s). The tape(s) are 9 track, 1600 bpi,ascii with 3 file(s) of data. The time span D and C numbers are as follows:

<u>D#</u>	<u>C#</u>	<u>TIME SPAN</u>
D-47451	C-22171	3/22/79, 4/1/79

SOLAR WIND PLASMA PARAMETERS FROM ISEE-3 FOR CDAW-6
from Los Alamos Plasma Group

A tape has been sent to NSSDC that contains the basic Solar Wind parameters from the Los Alamos Solar Wind experiment. The format for the tape is given in Table 1. Details concerning the timing and method of calculation are given below. A close reading of this documentation will help the reader understand the range of validity of the data set.

TIMING:

The solar wind data prepared for CDAW-6 is composed of Track mode data, the high time resolution data mode. Each calculated parameter represents the combination of two independent measurements taken one spin apart. A single measurement takes ~ 0.5 sec to complete. The time tag applied to each parameter set represents the start time of the second measurement. Thus, the average time of the measurement is actually 1/2 of one spin period earlier than given. This is approximately 1.5 sec, a timing offset much too small to effect any results of the CDAW-6 workshop.

The finest time resolution of the two-point averages is ~ 24 seconds (based on a spin rate of 20 RPM). However, measurements are not made every 24 seconds since the track mode alternates with our 3-D and Search modes. The actual sequence of measurements for the CDAW-6 time period is 8 track, followed by a 3-D, followed by a search mode measurement. The timing for the various modes is such that 8 track mode measurements are followed by a 5 times 24 second gap. While the finest time resolution is ~ 24 seconds, the intermediate data gap is ~ 120 sec.

COORDINATE SYSTEMS:

The coordinate system used to track the spacecraft is different from the system used in our solar wind parameter calculations. The ISEE-3 spacecraft coordinates listed in Table 1 are: The positive X-axis points radially toward the Sun from the Earth; The positive Y-axis points east of the Sun; and the positive Z-axis points toward the North pole. The coordinates used in the solar wind calculations are: The positive X-axis points radially away from

the Sun through the spacecraft; the positive Y-axis points west of the Sun; and the positive Z-axis points toward the North pole.

NUMERICAL CALCULATION OF PARAMETERS:

The ion parameters listed in Table I were calculated by numerically integrating the measured distribution function. The Helium calculations were made by assuming all counts above a certain energy level, based on the position of the Hydrogen peak, were due to Helium ions. This assumption is accurate when the Hydrogen thermal temperature is small. As the Hydrogen temperature increases, part of the Hydrogen distribution will be counted as Helium ions. No correction has been made for this effect in this particular calculation. If the Hydrogen temperature rises above a certain temperature, no Helium model calculations are made.

3-D POLAR BULK FLOW ANGLE

A separate numerical integration program is used to calculate the polar flow angle which can only be obtained from the 3-D mode data. As stated above a spectrum can be obtained from the 3-D data only once in ~ 5.2 minutes. Thus, the same value of the polar angle has been placed in each data record (8 track mode records) within the 5.2 minute interval.

ELECTRON TEMPERATURE

A separate numerical integration program is used to calculate the total electron temperature. The electron data is calculated every ~ 170 seconds. Thus, the same electron data is placed in each record within the stated time interval.

TABLE 1
CDAW-6 UPDATE

78-079A-01E

LOCATION	NAME	FORMAT	DESCRIPTION
1.	IYMD	I6	Year, Month, Day
2.	IYRDOY	I6	Year, Day of Year, (Jan. 1=1)
3.	TIME	E12.5	Seconds of Day
*4.	THETA	E12.5	POLAR FLOW ANGLE (deg°)
5.	GSEX	E12.5	X-axis, positive toward Sun
6.	GSEY	E12.5	Y-axis, positive toward east of Sun
7.	GSEZ	E12.5	Z-axis, positive toward North pole
8.	DENSP	E12.5	Density of Hydrogen (cm ⁻³)
9.	VO	E12.5	Bulk Velocity of Hydrogen (km/sec)
10.	PHI	E12.5	Ecliptic bulk flow angle (deg.°)
11.	TPAR	E12.5	Parallel temperature (K°)
12.	TPER	E12.5	Perpendicular temperature (K°)
*13.	DENSA	E12.5	Density of Helium (cm ⁻³)
*14.	TAVEA	E12.5	Average temperature of Helium (K°)
*15.	TAVEE	E12.5	Average temperature of electrons (K°)

*NOTES: Changes from First CDAW-6 tape.

- 4) Time resolution of 3-D polar flow direction is ~ 5.2 minutes. Thus same value of THETA is assigned to all data with 5.2 minute period.
- 13) Density of Helium on 24 sec time scale
- 14) Average temperature of Helium ($TAVE = [T_{||} + 2T_{\perp}]/3$)
- 15) Average temperature of electrons has an ~ 170 sec time resolution. Thus, same value of TAVEE is assigned to all data within the 170 sec time period.

D-47451

INPUT
\$NOP
\$NOP ***** X408 *****
\$EXE TPLIST BS

INPUT PARAMETERS ARE: AS FL=1 3

TAPE NO. 1 FILE NO. 1
RECORD 1 LENGTH 80
VOL1CDRAW D&C 1 3

TAPE NO. 1 FILE NO. 1
RECORD 4 LENGTH 80
HDR30079010200000000001000

TAPE NO. 1 FILE NO. 2
RECORD 1 LENGTH 32760
0125 790322 79081 2.10305E+04 -1.33080E+00 2.36900E+02 -9.15740E+01 1.09990E+01 1.27950E+01 3.45010E+
02 1.03740E+00 6.67390E+04 0053 3.93670E+04 2.22140E-01 2.11183E+05 1.00607E+05 0125 790322 79081 2.
10546E+04 -1.33080E+00 2.36900E+02 -9.15740E+01 1.09990E+01 1.24920E+01 3.42740E+02 1.34800E+00 5.765
30E+04 0053 3.56840E+04 2.03490E-01 1.55760E+05 1.00607E+05 0125 790322 79081 2.10789E+04 -1.33080E+0
0 2.36900E+02 -9.15740E+01 1.09990E+01 1.18610E+01 3.40080E+02 1.81630E+00 5.48600E+04 0053 3.52620E
+04 2.03450E-01 1.24327E+05 1.00607E+05 0125 790322 79081 2.11030E+04 -1.33080E+00 2.36900E+02 -9.1575
0E+01 1.09990E+01 1.13230E+01 3.35240E+02 2.13620E+00 6.21320E+04 0053 4.00630E+04 1.80170E-01 1.44
813E+05 1.00607E+05 0125 790322 79081 2.11271E+04 -1.33080E+00 2.36900E+02 -9.15750E+01 1.09990E+01 1.
33280E+01 3.39070E+02 2.24920E-01 5.48520E+04 0053 4.09050E+04 2.63090E-01 2.33437E+05 1.00607E+05 0
125 790322 79081 2.11514E+04 -1.33080E+00 2.36900E+02 -9.15760E+01 1.09990E+01 1.38780E+01 3.41770E+0
2 -1.60100E-01 4.71650E+04 0053 5.07050E+04 2.95060E-01 1.96273E+05 1.00607E+05 0125 790322 79081 2.1
1755E+04 -1.33080E+00 2.36900E+02 -9.15760E+01 1.09990E+01 1.24800E+01 3.53470E+02 1.77370E+00 7.7506
0E+04 0053 3.62010E+04 2.38560E-01 2.30183E+05 1.00607E+05 0125 790322 79081 2.11995E+04 -1.33080E+00
2.36900E+02 -9.15770E+01 1.09980E+01 1.11560E+01 3.38580E+02 6.04750E-02 4.49970E+04 0053 5.57670E+
04 1.53350E-01 1.32742E+05 1.00607E+05 0125 790322 79081 2.13445E+04 -1.33080E+00 2.36900E+02 -9.15800
E+01 1.09970E+01 1.10940E+01 3.36370E+02 1.87730E+00 4.56170E+04 0053 3.74460E+04 2.30660E-01 1.807
23E+05 1.03555E+05 0125 790322 79081 2.13689E+04 -1.33080E+00 2.36900E+02 -9.15800E+01 1.09970E+01 1.0
9540E+01 3.34820E+02 1.57290E+00 4.69120E+04 0053 3.95380E+04 2.05380E-01 1.58093E+05 1.04977E+05 01
25 790322 79081 2.13929E+04 -1.33080E+00 2.36900E+02 -9.15800E+01 1.09970E+01 1.08690E+01 3.37190E+02
2.21540E+00 4.87610E+04 0053 3.91140E+04 1.94770E-01 1.29790E+05 1.04977E+05 0125 790322 79081 2.14
170E+04 -1.33080E+00 2.36900E+02 -9.15810E+01 1.09970E+01 1.13730E+01 3.36270E+02 2.14080E+00 3.77760
E+04 0053 4.96220E+04 2.36130E-01 1.52277E+05 1.04977E+05 0125 790322 79081 2.14413E+04 -1.33080E+00
2.36900E+02 -9.15810E+01 1.09970E+01 1.11890E+01 3.35030E+02 1.94070E+00 4.60750E+04 0053 3.66300E+0
4 2.70590E-01 2.10470E+05 1.04977E+05 0125 790322 79081 2.14654E+04 -1.33080E+00 2.36900E+02 -9.15810E
+01 1.09970E+01 1.13610E+01 3.35590E+02 1.41010E+00 3.99470E+04 0053 4.49910E+04 2.42240E-01 1.6486
0E+05 1.04977E+05 0125 790322 79081 2.14898E+04 -1.33080E+00 2.36900E+02 -9.15820E+01 1.09970E+01 1.11
980E+01 3.35240E+02 1.81530E+00 4.32150E+04 0053 3.59520E+04 2.32480E-01 1.16537E+05 1.04977E+05 012
5 790322 79081 2.15139E+04 -1.33080E+00 2.36900E+02 -9.15820E+01 1.09970E+01 1.20410E+01 3.36160E+02
1.70400E+00 5.16180E+04 0053 3.69470E+04 2.67770E-01 1.90543E+05 1.04977E+05 0125 790322 79081 2.165
88E+04 -1.94900E+00 2.36900E+02 -9.15850E+01 1.09960E+01 1.22720E+01 3.33360E+02 2.32620E+00 4.67160E
+04 0053 3.21350E+04 2.64710E-01 1.54343E+05 1.04095E+05 0125 790322 79081 2.16828E+04 -1.94900E+00 2.
.36900E+02 -9.15850E+01 1.09960E+01 1.20350E+01 3.33680E+02 2.17380E+00 4.86030E+04 0053 3.84540E+04
1.92710E-01 1.52808E+05 1.04095E+05 0125 790322 79081 2.17072E+04 -1.94900E+00 2.36900E+02 -9.15860E+
01 1.09950E+01 1.26810E+01 3.37790E+02 1.42840E+00 5.67310E+04 0053 3.37470E+04 2.10550E-01 1.53270
E+05 1.01541E+05 0125 790322 79081 2.17313E+04 -1.94900E+00 2.36900E+02 -9.15870E+01 1.09950E+01 1.332
40E+01 3.42170E+02 2.70410E-01 1.07790E+05 0053 3.31000E+04 3.03460E-01 1.66537E+05 1.01541E+05 0125
790322 79081 2.17553E+04 -1.94900E+00 2.36900E+02 -9.15870E+01 1.09950E+01 1.29470E+01 3.37860E+02 1.
.25520E+00 5.71010E+04 0053 4.04110E+04 3.04400E-01 2.26840E+05 1.01541E+05 0125 790322 79081 2.1779
7E+04 -1.94900E+00 2.36900E+02 -9.15870E+01 1.09950E+01 1.15860E+01 3.45390E+02 4.17390E-01 5.31620E+
04 0053 3.91040E+04 1.87290E-01 2.19707E+05 1.01541E+05 0125 790322 79081 2.18037E+04 -1.94900E+00 2.
36890E+02 -9.15880E+01 1.09950E+01 1.09000E+01 3.42650E+02 9.76135E-01 5.29290E+04 0053 3.49770E+04
1.95560E-01 2.39153E+05 1.01541E+05 0125 790322 79081 2.18278E+04 -1.94900E+00 2.36890E+02 -9.15880E+0
1 1.09950E+01 1.08610E+01 3.43260E+02 5.60550E-01 4.64090E+04 0053 3.92930E+04 1.60440E-01 1.67350E
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0E+01 3.43460E+02 1.23420E+00 4.93410E+04 0053 3.23850E+04 2.65680E-01 1.59820E+05 1.04237E+05 0125
790322 79081 2.19971E+04 -1.52970E+00 2.36890E+02 -9.15910E+01 1.09940E+01 1.36590E+01 3.46980E+02 9.
75610E-01 5.88970E+04 0053 4.09110E+04 1.83720E-01 1.24667E+05 1.04237E+05 0125 790322 79081 2.20211
E+04 -1.52970E+00 2.36890E+02 -9.15920E+01 1.09930E+01 1.35920E+01 3.46000E+02 1.09080E+00 7.88240E+0

.86520E-01 1.67690E+05 1.06123E+050125 790322 79081 2.20696E+04-1.52970E+00 2.36890E+02-9.15920E+01
1.09930E+01 1.01850E+01 3.41230E+02 1.89300E+00 3.71210E+040053 4.52000E+04 1.19020E-01 1.40017E+
05 1.06123E+050125 790322 79081 2.20936E+04-1.52970E+00 2.36890E+02-9.15930E+01 1.09930E+01 1.00290
E+01 3.42060E+02 1.97200E+00 3.54790E+040053 4.67130E+04 1.26100E-01 1.65483E+05 1.06123E+050125 7
90322 79081 2.22870E+04-7.36400E-01 2.36890E+02-9.15960E+01 1.09920E+01 1.15510E+01 3.43340E+02 1.3
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+04-7.36400E-01 2.36890E+02-9.15970E+01 1.09920E+01 1.09040E+01 3.40070E+02 1.46680E+00 3.05910E+04
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890E+02-9.15980E+01 1.09920E+01 1.11790E+01 3.41640E+02 1.37000E+00 3.24510E+040053 4.02450E+04 1.
07350E-01 9.27960E+04 1.06123E+050125 790322 79081 2.23595E+04-7.36400E-01 2.36890E+02-9.15980E+01
1.09920E+01 1.15970E+01 3.41790E+02 1.48640E+00 2.99080E+040053 3.72360E+04 2.37700E-01 1.15670E+0
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+01 3.44520E+02 1.49250E+00 3.23640E+040053 4.40970E+04 2.74280E-01 1.26523E+05 1.03177E+050125 79
0322 79081 2.24079E+04-7.36400E-01 2.36890E+02-9.15990E+01 1.09910E+01 1.06450E+01 3.42440E+02 1.35
130E+00 3.29690E+040053 3.50410E+04 1.96810E-01 1.38007E+05 1.03177E+050125 790322 79081 2.16588E+
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00E+02-9.15850E+01 1.09960E+01 1.20350E+01 3.33680E+02 2.17380E+00 4.86030E+040053 3.84540E+04 1.9
2710E-01 1.52808E+05 1.03177E+050125 790322 79081 2.17072E+04-7.36400E-01 2.36900E+02-9.15860E+01 1.
.09950E+01 1.26810E+01 3.37790E+02 1.42840E+00 5.67310E+040053 3.37470E+04 2.10550E-01 1.53270E+05
1.03177E+050125 790322 79081 2.17313E+04-7.36400E-01 2.36900E+02-9.15870E+01 1.09950E+01 1.33240E+
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322 79081 2.17553E+04-7.36400E-01 2.36900E+02-9.15870E+01 1.09950E+01 1.29470E+01 3.37860E+02 1.255
20E+00 5.71010E+040053 4.04110E+04 3.04400E-01 2.26840E+05 1.03177E+050125 790322 79081 2.17797E+0
4-7.36400E-01 2.36900E+02-9.15870E+01 1.09950E+01 1.15860E+01 3.45390E+02 4.17390E-01 5.31620E+0400
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0E+02-9.15880E+01 1.09950E+01 1.09000E+01 3.42650E+02 9.76130E-01 5.29290E+040053 3.49770E+04 1.95
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09950E+01 1.08610E+01 3.43260E+02 5.60550E-01 4.64090E+040053 3.92930E+04 1.60440E-01 1.67350E+05
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22 79081 2.19971E+04-7.36400E-01 2.36890E+02-9.15910E+01 1.09940E+01 1.36590E+01 3.46980E+02 9.7561
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E+02-9.15920E+01 1.09930E+01 1.07560E+01 3.41930E+02 9.25460E-01 3.93640E+040053 4.96350E+04 1.952
40E-01 1.66987E+05 1.03177E+050125 790322 79081 2.20696E+04-7.36400E-01 2.36890E+02-9.15920E+01 1.0
9930E+01 1.01850E+01 3.41230E+02 1.89300E+00 3.71210E+040053 4.52000E+04 1.19020E-01 1.40017E+05 1
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2 79081 2.22870E+04-7.36400E-01 2.36890E+02-9.15960E+01 1.09920E+01 1.15510E+01 3.43340E+02 1.39610
E+00 5.54880E+040053 2.98190E+04 2.32130E-01 1.17492E+05 1.06123E+050125 790322 79081 2.23111E+04-
7.36400E-01 2.36890E+02-9.15970E+01 1.09920E+01 1.09040E+01 3.40070E+02 1.46680E+00 3.05910E+040053
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920E+01 1.15970E+01 3.41790E+02 1.48640E+00 2.99080E+040053 3.72360E+04 2.37700E-01 1.15670E+05 1.
03177E+050125 790322 79081 2.23839E+04-7.36400E-01 2.36890E+02-9.15980E+01 1.09910E+01 1.20850E+01
3.44520E+02 1.49250E+00 3.23640E+040053 4.40970E+04 2.74280E-01 1.26523E+05 1.03177E+050125 790322
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.36400E-01 2.36890E+02-9.16000E+01 1.09910E+01 1.20450E+01 3.44220E+02 1.21570E+00 3.44510E+040053
4.20230E+04 1.83010E-01 2.42953E+05 1.03177E+050125 790322 79081 2.24563E+04-7.36400E-01 2.36890E+
02-9.16000E+01 1.09910E+01 1.12380E+01 3.44240E+02 7.84600E-01 3.52360E+040053 4.06260E+04 2.24280
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00E+01 1.20000E+01 3.47390E+02 1.90460E+00 3.17420E+040053 4.54050E+04 2.27460E-01 1.66220E+05 1.0
4697E+050125 790322 79081 2.26254E+04-2.26050E+00 2.36890E+02-9.16030E+01 1.09900E+01 1.21270E+01 3
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26050E+00 2.36880E+02-9.16040E+01 1.09890E+01 1.46020E+01 3.45130E+02 2.28370E+00 5.49840E+040053
3.18900E+04 3.64450E-01 1.80707E+05 1.04697E+050125 790322 79081 2.27219E+04-2.26050E+00 2.36880E+0
2-9.16040E+01 1.09890E+01 1.26810E+01 3.43090E+02 2.32580E+00 6.42630E+040053 3.37800E+04 1.75790E
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53720E+02 2.58760E+00 5.25340E+040053 3.27960E+04 2.20930E-01 1.66152E+05 1.03367E+050125 790322 7
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5690E+00 2.36880E+02-9.16090E+01 1.09880E+01 1.37110E+01 3.41510E+02 1.14890E+00 6.55270E+040053 3
.50590E+04 2.84510E-01 2.88673E+05 1.05106E+050125 790322 79081 2.29637E+04-1.75690E+00 2.36880E+02
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E+01 1.30110E+01 3.37190E+02 1.47420E+00 4.56190E+040053 3.72970E+04 2.74480E-01 1.56253E+05 1.051
06E+050125 790322 79081 2.30121E+04-1.75690E+00 2.36880E+02-9.16100E+01 1.09870E+01 1.15490E+01 3.3
7820E+02 3.85560E+00 4.59040E+040053 3.14670E+04 2.31270E-01 1.30598E+05 1.05106E+050125 790322 79
081 2.30362E+04-1.75690E+00 2.36880E+02-9.16110E+01 1.09870E+01 1.16240E+01 3.36100E+02 3.76050E+00
4.44090E+040053 2.92340E+04 2.66270E-01 1.12178E+05 1.05106E+050125 790322 79081 2.30603E+04-1.75
690E+00 2.36880E+02-9.16110E+01 1.09870E+01 1.18100E+01 3.37120E+02 3.77160E+00 4.78180E+040053 3.
01280E+04 2.35770E-01 9.97947E+04 1.11417E+050125 790322 79081 2.30846E+04-1.75690E+00 2.36880E+02-
9.16110E+01 1.09870E+01 1.33550E+01 3.40610E+02 3.47630E+00 5.03710E+040053 2.65030E+04 2.40410E-0
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7E+050125 790322 79081 2.32536E+04-2.53240E+00 2.36880E+02-9.16140E+01 1.09860E+01 1.22260E+01 3.39
370E+02 3.81770E+00 4.47780E+040053 2.89800E+04 2.61780E-01 1.68063E+05 1.11827E+050125 790322 790
81 2.32780E+04-2.53240E+00 2.36880E+02-9.16150E+01 1.09860E+01 1.15130E+01 3.37810E+02 4.09370E+00
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40E+00 2.36880E+02-9.16150E+01 1.09860E+01 1.03800E+01 3.34900E+02 4.14330E+00 3.76720E+040053 2.1
2970E+04 2.17160E-01 1.07934E+05 1.11827E+050125 790322 79081 2.33261E+04-2.53240E+00 2.36880E+02-9
.16160E+01 1.09860E+01 9.92180E+00 3.41840E+02 4.18370E+00 5.16480E+040053 2.88210E+04 2.01530E-01
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16200E+01 1.09840E+01 9.54570E+00 3.37740E+02 5.06170E+00 3.46220E+040053 2.38010E+04 7.95220E-03
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6250E+01 1.09820E+01 1.24530E+01 3.37110E+02 3.86380E+00 4.48210E+040053 3.13790E+04 2.26540E-01 9
.78507E+04 1.13603E+050125 790322 79081 2.38818E+04-2.23470E+00 2.36870E+02-9.16260E+01 1.09820E+01
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2.39303E+04-2.23470E+00 2.36870E+02-9.16270E+01 1.09820E+01 1.27950E+01 3.36200E+02 3.74600E+00 3.2
5780E+040053 4.54160E+04 1.74670E-01 8.34106E+04 1.13603E+050125 790322 79081 2.39544E+04-2.23470E
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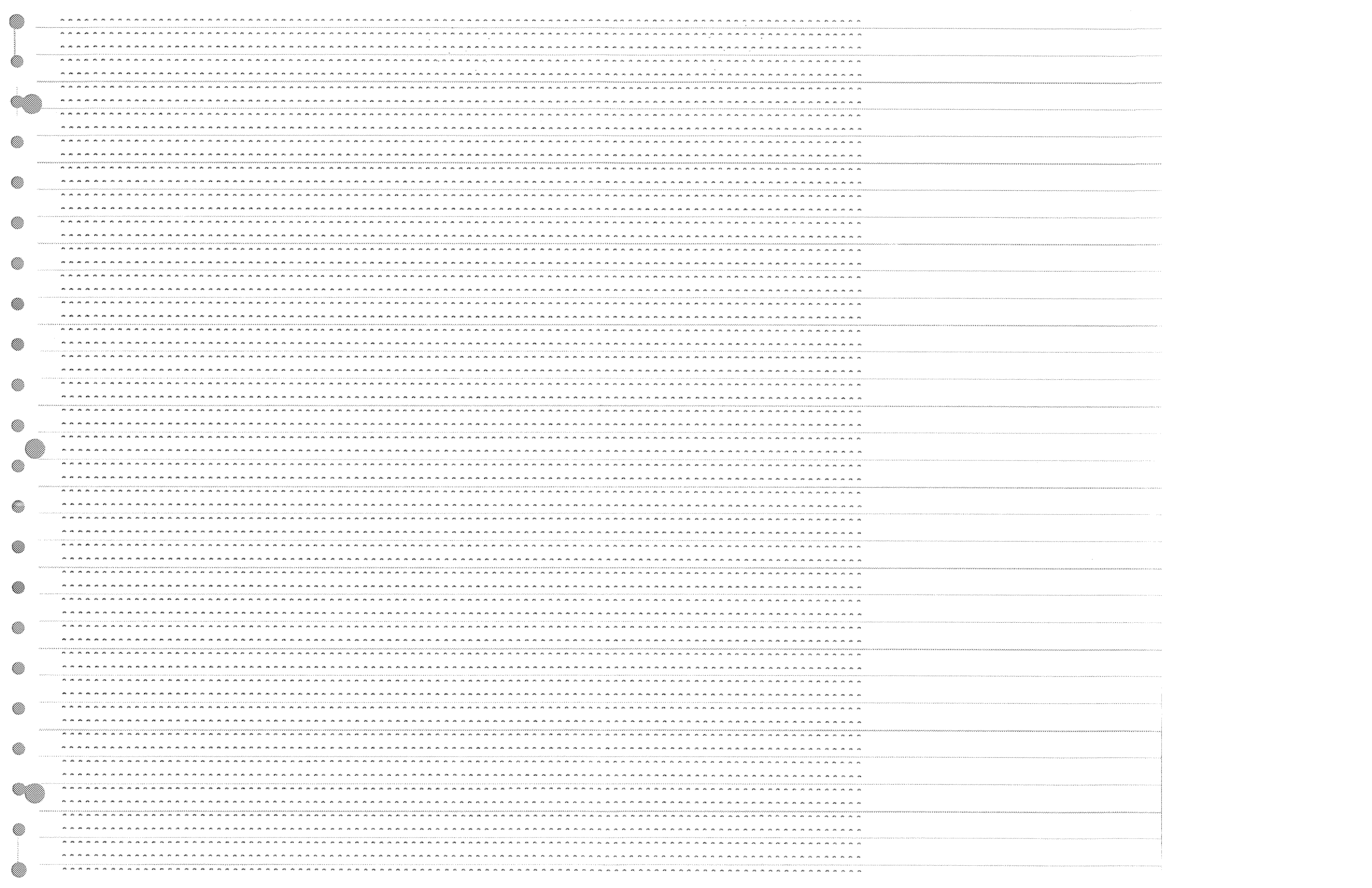
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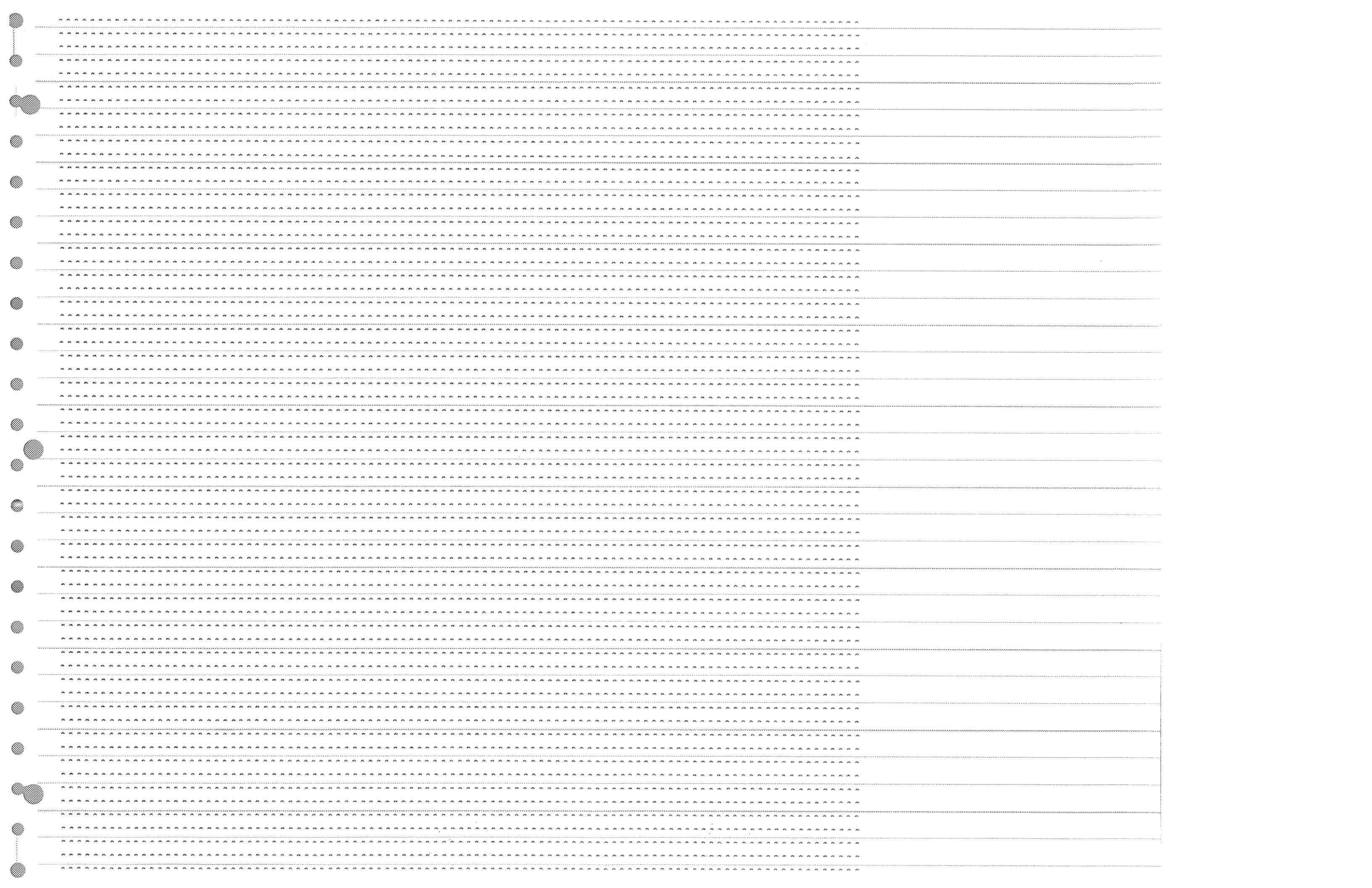
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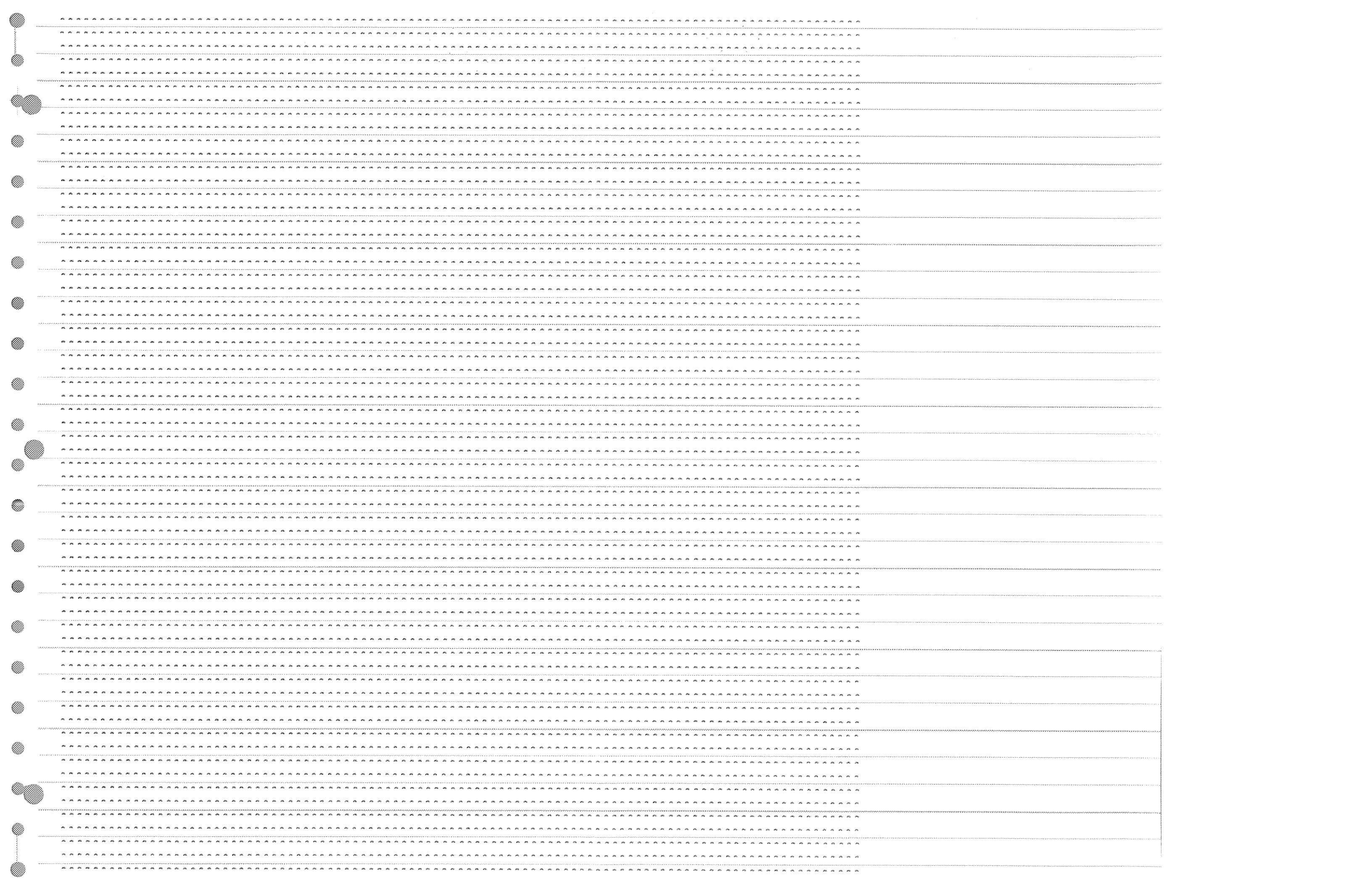
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790401 79091 2.01715E+04-3.52570E+00 2.25340E+02-1.00760E+02 5.29320E+00 6.66840E+00 4.60530E+02-1
.76640E+00 2.15980E+050053 2.49550E+05 2.63450E-02 3.17000E+05 1.32330E+050125 790401 79091 2.0195
6E+04-3.52570E+00 2.25340E+02-1.00760E+02 5.29300E+00 6.87120E+00 4.65870E+02-1.91850E+00 2.12040E+
050053 2.55130E+05 2.46340E-02 2.21903E+05 1.32330E+050125 790401 79091 2.02197E+04-3.52570E+00 2.
25340E+02-1.00760E+02 5.29270E+00 6.49490E+00 4.55260E+02-1.85840E+00 2.50770E+050053 2.24060E+05
0.00000E+00 0.00000E+00 1.32330E+050125 790401 79091 2.02440E+04-3.52570E+00 2.25340E+02-1.00760E+0
2 5.29270E+00 6.44150E+00 4.49680E+02-1.04820E+00 2.23100E+050053 2.59200E+05 4.68070E-02 5.61947E
+05 1.32330E+050125 790401 79091 2.03890E+04-4.29200E-01 2.25340E+02-1.00760E+02 5.29160E+00 6.9127

75830E+00 3.01830E+05 0.0053 2.29210E+05 0.00000E+00 0.00000E+00 1.32467E+05 0.125 790401 79091 2.04374
E+04-4.29200E-01 2.25330E+02-1.00760E+02 5.29140E+00 6.87560E+00 4.77900E+02-2.10820E+00 2.82370E+0
50053 2.34630E+05 0.00000E+00 0.00000E+00 1.32467E+05 0.125 790401 79091 2.04374E+04-4.29200E-01 2.2
5330E+02-1.00760E+02 5.29090E+00 6.71070E+00 4.78120E+02-1.49020E+00 2.67680E+05 0.053 2.24080E+05 1
.30450E-02 4.48153E+05 1.34177E+05 0.125 790401 79091 2.05098E+04-4.29200E-01 2.25330E+02-1.00760E+02
5.29070E+00 6.18400E+00 4.49590E+02-3.50280E+00 1.99770E+05 0.053 2.53750E+05 0.00000E+00 0.00000E+
00 1.34177E+05 0.125 790401 79091 2.05339E+04-4.29200E-01 2.25330E+02-1.00760E+02 5.29050E+00 6.09390
E+00 4.63250E+02-1.64620E+00 2.18090E+05 0.053 2.53450E+05 4.28300E-02 2.29573E+05 1.34177E+05 0.125 7
90401 79091 2.05572E+04-4.29200E-01 2.25330E+02-1.00760E+02 5.29050E+00 6.29240E+00 4.67640E+02-7.8
3240E-01 2.60130E+05 0.053 2.33030E+05 0.00000E+00 0.00000E+00 1.34177E+05 0.125 790401 79091 2.07030E
+04-2.99580E+00 2.25330E+02-1.00760E+02 5.28940E+00 6.00370E+00 4.63500E+02-6.30340E-01 2.55610E+05
0.053 1.90130E+05 4.36140E-02 5.99124E+05 1.34273E+05 0.125 790401 79091 2.07273E+04-2.99580E+00 2.25
330E+02-1.00760E+02 5.28920E+00 6.42370E+00 4.64520E+02-1.16060E-01 2.41820E+05 0.053 2.01630E+05 0.
00000E+00 0.00000E+00 1.34273E+05 0.125 790401 79091 2.07513E+04-2.99580E+00 2.25330E+02-1.00760E+02
5.28920E+00 6.36600E+00 4.54740E+02-5.68940E-01 2.51920E+05 0.053 2.24020E+05 0.00000E+00 0.00000E+0
0 1.34273E+05 0.125 790401 79091 2.07750E+04-2.99580E+00 2.25330E+02-1.00760E+02 5.28890E+00 6.19950E
+00 4.55220E+02 8.48270E-01 2.62090E+05 0.053 2.06090E+05 1.01080E-01 2.09561E+05 1.34273E+05 0.125 79
0401 79091 2.07998E+04-2.99580E+00 2.25330E+02-1.00760E+02 5.28870E+00 6.24620E+00 4.65780E+02 7.56
730E-01 2.51870E+05 0.053 2.07700E+05 3.39760E-02 3.80456E+05 1.34913E+05 0.125 790401 79091 2.08238E+
04-2.99580E+00 2.25330E+02-1.00760E+02 5.28850E+00 6.27610E+00 4.56070E+02-2.01570E-01 2.73630E+05 0
053 2.08370E+05 5.58650E-02 4.62833E+05 1.34913E+05 0.125 790401 79091 2.08482E+04-2.99580E+00 2.253
30E+02-1.00760E+02 5.28850E+00 6.20820E+00 4.61290E+02 6.90230E-01 2.27530E+05 0.053 2.81780E+05 1.7
9980E-02 3.91227E+05 1.34913E+05 0.125 790401 79091 2.08723E+04-2.99580E+00 2.25330E+02-1.00760E+02 5
.28830E+00 6.83000E+00 4.78010E+02 1.18170E+00 2.71810E+05 0.053 3.19270E+05 0.00000E+00 0.00000E+00
1.34913E+05 0.125 790401 79091 2.10172E+04-3.96600E-01 2.25330E+02-1.00760E+02 5.28720E+00 6.99650E+
00 4.36630E+02-9.38300E-01 2.54690E+05 0.053 2.67930E+05 0.00000E+00 0.00000E+00 1.34190E+05 0.125 790
401 79091 2.10412E+04-3.96600E-01 2.25330E+02-1.00760E+02 5.28720E+00 6.70180E+00 4.39830E+02-1.332
60E+00 2.51690E+05 0.053 2.40110E+05 0.00000E+00 0.00000E+00 1.34190E+05 0.125 790401 79091 2.10656E+0
4-3.96600E-01 2.25330E+02-1.00760E+02 5.28690E+00 6.80210E+00 4.34620E+02-7.93830E-01 2.47480E+05 0
53 2.38580E+05 0.00000E+00 0.00000E+00 1.34190E+05 0.125 790401 79091 2.10897E+04-3.96600E-01 2.2532
0E+02-1.00760E+02 5.28670E+00 6.01580E+00 4.30410E+02 5.50910E-01 2.71450E+05 0.053 1.85080E+05 0.00
000E+00 0.00000E+00 1.34190E+05 0.125 790401 79091 2.11138E+04-3.96600E-01 2.25320E+02-1.00760E+02 5.
28650E+00 6.58670E+00 4.53390E+02-6.37860E+00 2.93470E+05 0.053 2.14670E+05 3.70350E-02 4.24653E+05
1.36933E+05 0.125 790401 79091 2.11381E+04-3.96600E-01 2.25320E+02-1.00760E+02 5.28650E+00 6.57640E+0
0 4.39580E+02-5.17420E+00 2.72730E+05 0.053 2.10100E+05 0.00000E+00 0.00000E+00 1.36933E+05 0.125 7904
01 79091 2.11622E+04-3.96600E-01 2.25320E+02-1.00760E+02 5.28630E+00 7.69600E+00 4.44310E+02-6.4676
0E+00 2.32730E+05 0.053 3.11560E+05 0.00000E+00 0.00000E+00 1.36933E+05 0.125 790401 79091 2.11862E+04
-3.96600E-01 2.25320E+02-1.00760E+02 5.28600E+00 6.87020E+00 4.39250E+02-4.34000E+00 2.64250E+05 0.05
3 2.33630E+05 0.00000E+00 0.00000E+00 1.36933E+05 0.125 790401 79091 2.13315E+04-4.48050E+00 2.25320
E+02-1.00770E+02 5.28510E+00 6.53260E+00 4.41980E+02-3.34190E+00 2.65390E+05 0.053 2.28250E+05 0.000
00E+00 0.00000E+00 1.31957E+05 0.125 790401 79091 2.13556E+04-4.48050E+00 2.25320E+02-1.00770E+02 5.2
8490E+00 6.81730E+00 4.40890E+02-2.50500E+00 2.69920E+05 0.053 2.42290E+05 0.00000E+00 0.00000E+00 1
.31957E+05 0.125 790401 79091 2.13796E+04-4.48050E+00 2.25320E+02-1.00770E+02 5.28470E+00 6.29510E+00
4.23960E+02-1.44340E+00 3.75420E+05 0.053 2.19190E+05 0.00000E+00 0.00000E+00 1.31957E+05 0.125 79040
1 79091 2.14039E+04-4.48050E+00 2.25320E+02-1.00770E+02 5.28450E+00 7.43370E+00 4.49370E+02-1.40810
E+00 3.13420E+05 0.053 2.28640E+05 0.00000E+00 0.00000E+00 1.31957E+05 0.125 790401 79091 2.14281E+04-
4.48050E+00 2.25320E+02-1.00770E+02 5.28450E+00 6.32940E+00 4.36260E+02-1.20660E+00 2.35100E+05 0.053
2.36890E+05 0.00000E+00 0.00000E+00 1.31957E+05 0.125 790401 79091 2.14520E+04-4.48050E+00 2.25320E
+02-1.00770E+02 5.28430E+00 7.01750E+00 4.32880E+02-1.19020E+00 2.57620E+05 0.053 2.65270E+05 0.0000
0E+00 0.00000E+00 1.30670E+05 0.125 790401 79091 2.14764E+04-4.48050E+00 2.25320E+02-1.00770E+02 5.28
400E+00 6.51280E+00 4.39200E+02-1.45430E+00 2.31150E+05 0.053 2.59830E+05 0.00000E+00 0.00000E+00 1.
30670E+05







TAPE NO. 1 FILE NO. 3
RECORD 1 LENGTH 80
EOF1CDAW.10 CDAW 00010001000100 82034 82034 000015DECFILE11A

TAPE NO. 1 FILE NO. 3
RECORD 3 LENGTH 80
EOF300790102000000000001000

***** JOB DONE.
\$WEO LPS

ISEE 3

60-SEC MAG FIELD DATA ON MAG TAPE

78-079A-02F SPHE-00073

This data set has been restored. There was originally one 9-track, 1600 BPI tape written in ASCII. There is one restored tape. The DR tape is a 3480 cartridge and the DS tape is 9-track, 6250 BPI. The original tape was created on an IBM 360 computer and the restored tape was created on an IBM 9021 computer. The DR and DS numbers along with the corresponding D number are as follows:

DR#	DS#	D#	FILES	TIME SPAN
-----	-----	-----	-----	-----
DR005300	DS005300	D047408	1 - 4	03/22/79 - 03/31/79

REQ. AGENT

LSM

REQ. NO.

V0144

ACQ. AGENT

DMS

ISEE 3

B - FIELD

78-079A-02F

This data set catalog consists of 1 tape(s). The tape(s) are 9 track, 1600 bpi, ascii with 4 file(s) of data. The time span D and C numbers are as follows:

<u>D#</u>	<u>C#</u>	<u>TIME SPAN</u>
D-47408	C-22153	3/22/79, 3/31/79

D-47408
3/22/79
3/31/79

INPUT PARAMETERS ARE: AS FL=1 4

TAPE NO. 1 FILE NO. 1
RECORD 1 LENGTH 80
IMP-8 79/081/00:00-24:00 [five minute averages] 0001.000

TAPE NO. 1 FILE NO. 1
RECORD 303 LENGTH 80
1437.5 -11.0 6.3 .7 12.8 4.8 4.1 18.10 518.0 58. 0303.000

TAPE NO. 1 FILE NO. 2
RECORD 1 LENGTH 80
ISEE-3 79/081/05:50-19:46 [five minute averages] 0001.000

TAPE NO. 1 FILE NO. 2
RECORD 186 LENGTH 80
1197.5 -9.3 5.4 2.7 11.2 3.2 5.2 .00 .0 83. 0186.000

TAPE NO. 1 FILE NO. 3
RECORD 1 LENGTH 80
ISEE-3 79/081/05:50-19:46 [one minute averages] 0001.000

TAPE NO. 1 FILE NO. 3
RECORD 865 LENGTH 80
1198.5 -10.0 5.4 1.7 11.5 3.7 4.3 .00 .0 84. 0865.000

TAPE NO. 1 FILE NO. 4
RECORD 1 LENGTH 80
ISEE- 79/090/12:00-091/0600 [one minute averages] 0000.100

TAPE NO. 1 FILE NO. 4
RECORD 1095 LENGTH 80
1799.5 2.2 -4.7 5.7 7.9 -6.3 3.8 .00 .0 76. 1080.000

***** JOB DONE.