

Data Set Catalog # 188

Explorer 14, Magnetometer - 5 Min.
62-051A-02A 6-tapes

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1. INTRODUCTION:

The documentation for this data set was originally on paper, kept in NSSDC's Data Set Catalogs (DSCs). The paper documentation in the Data Set Catalogs have been made into digital images, and then collected into a single PDF file for each Data Set Catalog. The inventory information in these DSCs is current as of July 1, 2004. This inventory information is now no longer maintained in the DSCs, but is now managed in the inventory part of the NSSDC information system. The information existing in the DSCs is now not needed for locating the data files, but we did not remove that inventory information.

The offline tape datasets have now been migrated from the original magnetic tape to Archival Information Packages (AIP's).

A prior restoration may have been done on data sets, if a requestor of this data set has questions; they should send an inquiry to the request office to see if additional information exists.

2. ERRATA/CHANGE LOG:

NOTE: Changes are made in a text box, and will show up that way when displayed on screen with a PDF reader.

When printing, special settings may be required to make the text box appear on the printed output.

Version	Date	Person	Page	Description of Change
01				
02				

3 LINKS TO RELEVANT INFORMATION IN THE ONLINE NSSDC
INFORMATION SYSTEM:

<http://nssdc.gsfc.nasa.gov/nmc/>

[NOTE: This link will take you to the main page of the NSSDC Master Catalog. There you will be able to perform searches to find additional information]

4. CATALOG MATERIALS:

- a. Associated Documents To find associated documents you will need to know the document ID number and then click here.
<http://nssdcftp.gsfc.nasa.gov/miscellaneous/documents/>

- b. Core Catalog Materials

SPMS-00332

EXPLORER 14

MAGNETIC FIELD 5-MINUTE DATA

62-051A-02A

THIS DATA SET HAS BEEN RESTORED. ORIGINALLY IT CONTAINED SIX 7-TRACK, 556 BPI TAPES WRITTEN IN BCD. THERE ARE TWO RESTORED TAPES, WRITTEN IN EBCDIC. THE DR AND DS TAPES ARE 9-TRACK, 6250 BPI. THE ORIGINAL TAPES WERE CREATED ON A 7094 COMPUTER. THE DR AND DS NUMBERS ALONG WITH THE CORRESPONDING D NUMBERS AND THE TIME SPANS ARE AS FOLLOWS:

DR#	DS#	D#	FILES	TIME SPAN
DR01726	DS01726	D01660	1	01/01/63 - 02/27/63
		D01661	2-24	01/27/63 - 02/17/63
		D01662	25	02/04/63 - 02/28/63
		D01663	26-63	02/28/63 - 04/01/63
		D01664	64-101	04/01/63 - 04/30/63
DR01727	DS01727	D01665	1-40	04/30/63 - 05/30/63

EXPLORER 14
MAGNETOMETER
62-051A-02A

This data set consists of 6 Explorer 14 Magnetometer data tapes. Two of these tapes were written on an IBM 360 (1,3) and the remaining - four on a CDC 3600 (2,4,5,6). They are all 556 BPI, BCD, 7 track.

<u>D#</u>	<u>C#</u>	<u>TIME SPAN</u>
D-01660	C-00623	1/01/63 - 1/27/63
D-01661	C-00624	1/27/63 - 2/17/63
D-01662	C-00625	2/04/63 - 2/28/63
D-01663	C-00626	2/28/63 - 4/01/63
D-01664	C-00627	4/01/63 - 4/30/63
D-01665	C-00628	4/30/63 - 5/30/63

EXPLORER XIV OUTPUT TAPES

The UNH Explorer 14 output library consists of six tapes which cover the period January 1, 1963 to May 30, 1963. These tapes contain the results of Dr. Laurence Cahill's magnetometer experiment which was aboard Explorer 14.

Four of the tapes were written on a CDC 3600 (#2,4,5,6) and the remaining two on an IBM 360 (#1,3). The only difference between the tapes is that on the IBM 360 tapes, an end of file is represented as the number 999 in the day number position.

These tapes are 7-track, 556 BPI-BCD mode, even parity, and each record contains 112 characters. When a record contains less than 112 characters in a record, it is padded with blanks.

The format of the data records are:

COLUMN		FORMAT
<u>Record #1</u>		
1-7	Day number*	I7
8-9	Hours	I2
10-11	Minutes	I2
12-16	Milliseconds	I5
17-32	Geocentric Longitude	E16.9
33-48	Geocentric Latitude	E16.9
49-64	Distance (kilometers)	E16.9
65-80	Geomagnetic Latitude	E16.9
81-96	L - value	E16.9
97-112	Theoretical Field	E16.9
<u>Record #2</u>		
1-16	Blank	16X
17-32	Right Ascension	E16.9
33-48	Declination of the field	E16.9
49-64	Experimental Field	E16.9
65-80	Experimental Alpha	E16.9
81-96	Experimental Psi	E16.9
97-112	STD of X channel	E16.9
<u>Record #3</u>		
1-16	Blank	16X
17-32	STD of Y channel	E16.9
33-48	STD of Z channel	E16.9
49-112	Blank	64X

*On tapes #1 and #3, when day number equals 999, that indicates end of file; otherwise a tape mark (eof mark) indicates the end of file.

If there are any questions concerning this data, please contact Dr. Laurence Cahill, Space Science Center, University of Minnesota, Minneapolis, Minnesota.

EXPLORER 14 OUTPUT TAPE LIBRARY

PAGE 1

<u>FILE NO.</u>	<u>BEGINNING</u> <i>hr min sec</i>	<u>END</u>	<u>TAPE NAME</u>
1	001 00 55	001 21 05	S3A-1
2	002 00 09	002 17 10	S3A-1
3	002 17 15	003 09 30	S3A-1
4	003 12 50	004 05 30	S3A-1
5	004 05 31	004 22 00	S3A-1
6	005 00 55	005 17 55	S3A-1
7	006 13 40	007 06 20	S3A-1
8	007 06 30	007 23 10	S3A-1
9	008 01 48	008 17 40	S3A-1
10	008 18 50	009 08 50	S3A-1
1	027 19 15	028 09 50	S3A-2
2	028 12 58	029 05 00	S3A-2
3	029 07 30	030 00 20	S3A-2
4	030 00 25	030 17 30	S3A-2
5	030 20 00	031 12 55	S3A-2
6	031 13 00	032 05 50	S3A-2
7	032 08 35	033 00 50	S3A-2
8	033 01 45	033 18 20	S3A-2
9	033 20 50	034 13 45	S3A-2
10	034 13 50	035 06 45	S3A-2
11	035 10 49	036 02 10	S3A-1
12	036 02 15	036 19 05	S3A-1
13	036 22 38	037 13 35	S3A-1
14	037 14 39	038 07 30	S3A-1
11	038 15 19	039 02 55	S3A-2

<u>FILE NO.</u>	<u>BEGINNING</u>	<u>END</u>	<u>TAPE NAME</u>
12	039 03 00	039 20 00	S3A-2
13	039 22 27	040 15 15	S3A-2
14	040 15 20	041 08 25	S3A-2
15	041 11 05	042 03 40	S3A-2
16	042 03 45	042 20 45	S3A-2
17	042 23 20	043 16 20	S3A-2
18	043 16 20	044 09 05	S3A-2
19	044 11 55	045 04 35	S3A-2
20	045 04 35	045 21 35	S3A-2
21	046 00 05	046 17 00	S3A-2
22	046 17 05	047 09 50	S3A-2
23	047 12 35	048 05 20	S3A-2
15	049 23 40	050 10 45	S3A-1
16	050 13 30	051 06 15	S3A-1
5	051 00 45	051 06 15	S3A-3
17	051 06 20	051 23 20	S3A-1
18	052 01 45	052 16 25	S3A-1
8	053 15 15	054 07 05	S3A-3
9	054 07 10	054 23 05	S3A-3
10	055 02 57	055 18 20	S3A-3
19	055 20 35	056 10 15	S3A-1
20	056 15 35	057 07 55	S3A-1
21	057 07 55	058 00 35	S3A-1
14	058 03 25	058 20 20	S3A-3
15	058 20 29	059 13 15	S3A-3

<u>FILE NO.</u>	<u>BEGINNING</u>	<u>END</u>	<u>TAPE NAME</u>
1	059 15 55	060 08 40	S3A-4
2	060 08 45	061 01 25	S3A-4
3	062 16 48	063 09 30	S3A-4
4	063 09 35	064 02 25	S3A-4
5	064 05 35	064 19 45	S3A-4
6	064 22 35	065 14 45	S3A-4
7	065 17 35	066 10 20	S3A-4
8	066 10 25	067 03 10	S3A-4
9	068 18 20	069 11 05	S3A-4
10	069 11 10	070 04 00	S3A-4
11	070 07 05	070 23 35	S3A-4
12	070 23 41	071 16 40	S3A-4
13	071 20 58	072 12 10	S3A-4
14	072 12 15	073 04 15	S3A-4
15	073 07 45	074 00 20	S3A-4
16	074 00 25	074 17 00	S3A-4
17	074 19 55	075 12 45	S3A-4
18	075 12 47	076 05 35	S3A-4
19	076 08 25	077 00 25	S3A-4
20	077 03 37	077 16 30	S3A-4
21	077 20 55	078 13 45	S3A-4
22	078 13 50	079 06 25	S3A-4
23	079 09 25	079 23 40	S3A-4
24	080 02 05	080 18 35	S3A-4
25	080 21 36	081 14 25	S3A-4

<u>FILE NO.</u>	<u>BEGINNING</u>	<u>END</u>	<u>TAPE NAME</u>
26	081 14 30	082 05 10	S3A-4
27	082 12 00	083 02 50	S3A-4
28	083 03 58	083 19 50	S3A-4
29	083 23 35	084 15 10	S3A-4
30	084 15 15	085 08 10	S3A-4
31	085 11 05	086 02 40	S3A-4
32	086 03 57	086 19 25	S3A-4
33	086 23 25	087 16 06	S3A-4
34	087 16 07	088 08 40	S3A-4
35	088 11 55	089 04 30	S3A-4
36	089 04 35	089 21 25	S3A-4
37	090 00 18	090 16 50	S3A-4
38	090 16 55	091 08 35	S3A-4
3	093 01 05	093 17 50	S3A-5
4	093 17 55	094 10 40	S3A-5
5	094 13 30	094 23 20	S3A-5
6	095 10 25	095 23 00	S3A-5
7	096 01 55	096 18 30	S3A-5
8	096 18 35	097 11 20	S3A-5
9	097 14 09	098 06 50	S3A-5
10	098 06 55	098 23 40	S3A-5
11	099 02 45	099 19 20	S3A-5
12	099 19 25	100 10 00	S3A-5
13	101 00 45	101 07 50	S3A-5
14	101 07 55	102 00 20	S3A-5

<u>FILE NO.</u>	<u>BEGINNING</u>	<u>END</u>	<u>TAPE NAME</u>
15	102 03 30	102 20 10	S3A-5
16	102 20 15	103 12 10	S3A-5
17	103 15 35	104 08 40	S3A-5
18	104 08 45	105 01 25	S3A-5
19	105 04 15	105 19 35	S3A-5
20	105 21 35	106 13 55	S3A-5
21	106 16 25	107 09 20	S3A-5
22	107 09 25	108 02 15	S3A-5
23	108 05 15	108 21 50	S3A-5
24	108 21 55	109 14 45	S3A-5
25	109 17 25	110 10 10	S3A-5
26	110 10 10	111 00 45	S3A-5
27	111 05 55	111 22 40	S3A-5
28	111 22 45	112 15 15	S3A-5
29	112 18 05	113 11 00	S3A-5
30	113 11 05	114 03 50	S3A-5
31	114 06 40	114 23 30	S3A-5
32	114 23 35	115 16 25	S3A-5
33	115 18 55	116 11 50	S3A-5
34	116 11 55	117 04 15	S3A-5
35	117 07 35	117 20 45	S3A-5
36	118 00 45	118 16 55	S3A-5
37	118 19 45	119 11 55	S3A-5
38	119 13 05	120 05 25	S3A-5
1	120 08 15	121 01 20	S3A-6

<u>FILE NO.</u>	<u>BEGINNING</u>	<u>END</u>	<u>TAPE NAME</u>
2	121 01 25	121 18 00	S3A-6
3	121 20 45	122 13 30	S3A-6
4	122 13 35	123 06 20	S3A-6
5	123 09 05	124 01 50	S3A-6
6	124 01 55	124 18 45	S3A-6
7	124 21 30	125 14 10	S3A-6
8	125 14 15	126 07 10	S3A-6
9	126 09 55	127 02 45	S3A-6
10	127 02 45	127 19 30	S3A-6
11	127 22 18	128 15 00	S3A-6
12	128 15 05	129 08 10	S3A-6
13	129 10 40	130 03 30	S3A-6
14	130 03 35	130 20 15	S3A-6
15	130 23 05	131 16 00	S3A-6
16	131 16 05	132 08 55	S3A-6
17	132 11 25	133 04 20	S3A-6
18	133 04 25	133 21 05	S3A-6
19	134 01 02	134 16 40	S3A-6
20	134 16 45	135 07 45	S3A-6
21	135 12 20	136 05 10	S3A-6
22	136 05 15	136 21 55	S3A-6
23	137 00 50	137 17 30	S3A-6
24	137 17 35	138 10 30	S3A-6
25	138 13 05	139 06 00	S3A-6
26	139 06 05	139 22 45	S3A-6

<u>FILE NO.</u>	<u>BEGINNING</u>	<u>END</u>	<u>TAPE NAME</u>
27	140 01 40	140 18 20	S3A-6
28	140 18 25	141 11 20	S3A-6
29	141 13 55	142 06 45	S3A-6
30	142 06 50	142 23 35	S3A-6
31	143 02 20	143 19 10	S3A-6
32	143 19 15	144 12 10	S3A-6
33	144 14 45	145 07 35	S3A-6
34	145 07 40	146 00 10	S3A-6
35	146 03 20	146 20 00	S3A-6
36	146 20 57	147 12 50	S3A-6
37	147 15 25	148 08 25	S3A-6
38	148 08 30	149 01 10	S3A-6
39	149 04 01	149 20 50	S3A-6
40	149 20 55	150 13 45	S3A-6

TAPE C00623

(TAPE 1 of 6)

EXPLORER 14 DATA

EXPERIMENT NUMBER 62051A-02A

11/1/72

FIRST & LAST FIVE PAGES OF FILE

FROM DAY 1 (1/1/63) to Day 58 (2/27/63)

Day	Hy	Mag	Milliger	Geocentric Longitude	Geocentric Latitude	Distance (kilometers)	Geomagnetic Latitude	L-Value	Theoretical Field		
11/63	1	05519048	0.358255615E	03-0.131112165E	02	0.101627562E	06-0.830095959E	01	0.164233398E	02	0.8 REC
00000000E	0100	last two zeros due to extended length (only 112 are significant)									1, LENGTH 114
			Right Ascension	Declination of field	Experimental field	Experimental Alpha	Experimental PSI	STD of X channel			2, LENGTH 114
79999924E	0100		0.920336456E	02	0.576980743E	02	0.437999878E	02	0.111899994E	03	0.6 REC
			STD of Y channel	STD of Z channel							3, LENGTH 114
00			0.589999962E	01	0.111999998E	02					REC
											4, LENGTH 114
1 1 015453	0.357117678E	03-0.130460110E	02	0.101756312E	06-0.808712196E	01	0.164210358E	02	0.8 REC		5, LENGTH 114
00000000E	0100										6, LENGTH 114
			0.915348297E	02	0.582908936E	02	0.447999878E	02	0.111299988E	03	0.7 REC
89999962E	0100										7, LENGTH 114
			0.569999981E	01	0.989999962E	01					REC
00											8, LENGTH 114
1 1 522088	0.355941406E	03-0.129785423E	02	0.101885750E	06-0.778704357E	01	0.164188690E	02	0.8 REC		9, LENGTH 114
00000000E	0100										10, LENGTH 114
			0.917434998E	02	0.588150482E	02	0.438999939E	02	0.111000000E	03	0.7 REC
19999981E	0100										11, LENGTH 114
			0.579999924E	01	0.869999981E	01					REC
00											12, LENGTH 114
1 11018493	0.354803223E	03-0.129133387E	02	0.102007750E	06-0.749305630E	01	0.164168243E	02	0.8 REC		13, LENGTH 114
00000000E	0100										14, LENGTH 114
			0.916422729E	02	0.594054260E	02	0.435000000E	02	0.112000000E	03	0.6 REC
39999962E	0100										15, LENGTH 114
			0.600000000E	01	0.969999981E	01					REC
00											16, LENGTH 114
1 11514902	0.353665283E	03-0.128481331E	02	0.102127687E	06-0.729109573E	01	0.164148254E	02	0.8 REC		17, LENGTH 114
00000000E	0100										18, LENGTH 114
			0.915420380E	02	0.599967957E	02	0.443999939E	02	0.113299988E	03	0.8 REC
29999924E	0100										REC
			0.815999981E	01	0.121999998E	02					19, LENGTH 114
00											20, LENGTH 114
1 12021535	0.352487793E	03-0.127806654E	02	0.102243000E	06-0.698753262E	01	0.164127502E	02	0.8 REC		21, LENGTH 114
00000000E	0100										22, LENGTH 114
			0.914382782E	02	0.606085205E	02	0.443999939E	02	0.113099991E	03	0.6 REC
39999962E	0100										REC
			0.689999962E	01	0.106999998E	02					19, LENGTH 114
00											20, LENGTH 114
1 12517948	0.351349365E	03-0.127164030E	02	0.102361000E	06-0.669233799E	01	0.164126587E	02	0.8 REC		21, LENGTH 114
00000000E	0100										22, LENGTH 114
			0.912437286E	02	0.612007446E	02	0.443999939E	02	0.113500000E	03	0.6 REC
29999924E	0100										REC
			0.719999981E	01	0.107999992E	02					21, LENGTH 114
00											22, LENGTH 114
1 13014356	0.350210449E	03-0.126512041E	02	0.102472063E	06-0.649244690E	01	0.164116516E	02	0.8 REC		

00000000E 0100

0.911439972E C2 0.616974945E 02 0.441999969E 02 0.113899994E 03 0.174099991E 03 0.6 REC 23, LENGTH 114

89999962E 0100

0.659999943E C1 0.959999943E 01 REC 24, LENGTH 114

00

1 13750152 0.348458740E C3-0.125519705E 02 0.102640500E 06-0.604985332E 01 0.164109955E C2 0.7 REC 25, LENGTH 114

00000000E 0100

0.909832764E C2 0.626002960E 02 0.446999969E 02 0.115599991E 03 0.174500000E 03 0.7 REC 26, LENGTH 114

39999962E 0100

0.779999924E C1 0.110999994E 02 REC 27, LENGTH 114

00

1 14023467 0.347869141E C3-0.125182438E 02 0.102694187E 06-0.589653683E 01 0.164109955E C2 0.7 REC 28, LENGTH 114

00000000E 0100

0.909321594E C2 0.629069214E 02 0.450000000E 02 0.115799988E 03 0.174199997E 03 0.7 REC 29, LENGTH 114

39999962E 0100

0.809999943E C1 0.101999998E 02 REC 30, LENGTH 114

00

1 2 522751 0.342101562E C3-0.121930742E 02 0.103181500E 06-0.466481018E 01 0.164156494E C2 0.7 REC 31, LENGTH 114

00000000E 0100

0.903323822E C2 0.658055725E 02 0.415999908E 02 0.117099991E 03 0.165399994E C3 0.1 REC 32, LENGTH 114

15000000E 0200

0.182999878E C2 0.366999969E 02 REC 33, LENGTH 114

00

1 21024788 0.340939209E C3-0.121284742E 02 0.103270562E 06-0.437934589E 01 0.164175110E C2 0.7 REC 34, LENGTH 114

00000000E 0100

0.902317200E C2 0.663254395E 02 0.423999939E 02 0.114000000E 03 0.171399994E 03 0.8 REC 35, LENGTH 114

69999981E 0100

0.142999992E C2 0.148999996E 02 REC 36, LENGTH 114

00

1 21522636 0.339792480E C3-0.120640011E 02 0.103355437E 06-0.417573261E 01 0.164194489E C2 0.7 REC 37, LENGTH 114

00000000E 0100

0.901324310E C2 0.669160767E 02 0.432999878E 02 0.112699997E 03 0.165099991E 03 0.1 REC 38, LENGTH 114

15999994E 0200

0.132999992E C2 0.370999908E 02 REC 39, LENGTH 114

00

1 22019687 0.338648926E C3-0.11996624E 02 0.103436125E 06-0.397524261E 01 0.164223175E C2 0.7 REC 40, LENGTH 114

00000000E 0100

0.900334320E C2 0.674160767E 02 0.413999939E 02 0.115699997E 03 0.173000000E 03 0.9 REC 41, LENGTH 114

50000000E 0100

0.116999998E C2 0.170999908E 02 REC 42, LENGTH 114

00

1 22517072 0.337503906E C3-0.119361558E 02 0.103514875E 06-0.368234825E 01 0.164252319E C2 0.7 REC 43, LENGTH 114

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00000000E 0100

0.859342957E C2 0.680078583E 02 0.416999969E 02 0.112899994E 03 0.174099991E 03 0.6 REC 44, LENGTH 114

69999981E 0100

0.685999962E 01 0.113999996E 02 REC 45, LENGTH 114

00

1 23023705 0.336322510E C3-0.118697710E 02 0.103593250E 06-0.347490406E 01 0.164272919E 02 0.7 REC 46, LENGTH 114

00000000E 0100

0.859267273E C2 0.685234528E 02 0.408999939E 02 0.115000000E 03 0.172099991E 03 0.7 REC 47, LENGTH 114

69999981E 0100

0.739999962E 01 0.121999998E 02 REC 48, LENGTH 114

00

1 23520120 0.335180420E C3-0.118065014E 02 0.103665687E 06-0.327611065E 01 0.164292755E 02 0.7 REC 49, LENGTH 114

00000000E 0100

0.858285217E C2 0.691144867E 02 0.415000000E 02 0.114599991E 03 0.172699997E 03 0.6 REC 50, LENGTH 114

89999962E 0100

0.675999924E C1 0.111999998E 02 REC 51, LENGTH 114

00

1 24016531 0.334039062E C3-0.117422905E 02 0.103735250E 06-0.307760143E 01 0.164331665E 02 0.7 REC 52, LENGTH 114

00000000E 0100

0.857301636E C2 0.696102905E 02 0.410000000E 02 0.116199997E 03 0.172399994E 03 0.6 REC 53, LENGTH 114

89999962E 0100

0.719999981E C1 0.123999996E 02 REC 54, LENGTH 114

00

1 3 714038 0.327804687E C3-0.113960066E 02 0.104072437E 06-0.189064980E 01 0.164511261E 02 0.7 REC 55, LENGTH 114

00000000E 0100

0.855000000E 02 0.725233917E 02 0.422999878E 02 0.114299988E 03 0.170899994E 03 0.7 REC 56, LENGTH 114

00000000E 0100

0.619999981E C1 0.125999994E 02 REC 57, LENGTH 114

00

1 3 744701 0.327686279E 03-0.113894563E 02 0.104077875E 06-0.187020874E 01 0.164514313E 02 0.7 REC 58, LENGTH 114

00000000E 0100

0.855000000E 02 0.725744934E 02 0.420000000E 02 0.115199997E 03 0.170799988E 03 0.7 REC 59, LENGTH 114

50000000E 0100

0.675999924E 01 0.116999998E 02 REC 60, LENGTH 114

00

1 31018015 0.327055215E 03-0.113567619E 02 0.104104937E 06-0.176800060E 01 0.164529724E 02 0.7 REC 61, LENGTH 114

00000000E 0100

0.855000000E 02 0.728300171E 02 0.417999878E 02 0.115500000E 03 0.170399994E 03 0.6 REC 62, LENGTH 114

99999981E 0100

0.739999962E C1 0.123999996E 02 REC 63, LENGTH 114

00

1 31514439 0.325951904E 03-0.112935286E 02 0.104155375E 06-0.157037830E 01 0.164565735E 02 0.7 REC 64, LENGTH 114

00000000F 0100

0.855000000E 02 0.733240509E 02 0.418999939E 02 0.114199997E 03 0.171699997E 03 0.7 REC 65, LENGTH 114

09999943E 0100

0.629999924E 01 0.128999996E 02 REC 66, LENGTH 114

00

1 32021072 0.324769287E 03-0.112281055E 02 0.104204000E 06-0.136595631E 01 0.164606628E 02 0.7 REC 67, LENGTH 114

00000000E 0100

0.855000000E 02 0.738351135E 02 0.415999908E 02 0.113699997E 03 0.169199997E 03 0.6 REC 68, LENGTH 114

50000000E 0100

0.629999924E 01 0.115999994E 02 REC 69, LENGTH 114

00

1 32517480 0.323625244E 03-0.111648760E 02 0.104247937E 06-0.116835308E 01 0.164637299E 02 0.7 REC 70, LENGTH 114

00000000E 0100

0.855885925E 02 0.743291321E 02 0.425999908E 02 0.112699997E 03 0.169399994E 03 0.6 REC 71, LENGTH 114

69999981E 0100

0.575999924E 01 0.112999992E 02 REC 72, LENGTH 114

00

1 33024106 0.322442871E 03-0.110994663E 02 0.104290437E 06-0.963938773E 00 0.164677887E 02 0.7 REC 73, LENGTH 114

00000000E 0100

0.855919952E 02 0.748401642E 02 0.423999939E 02 0.112799988E 03 0.169099991E 03 0.7 REC 74, LENGTH 114

89999962E 0100

0.675999924E 01 0.120000000E 02 REC 75, LENGTH 114

00

1 33520519 0.321299316E 03-0.110362368E 02 0.104328375E 06-0.766332865E 00 0.164717255E 02 0.7 REC 76, LENGTH 114

00000000E 0100

0.856867218E 02 0.753341827E 02 0.422999878E 02 0.113899994E 03 0.168099991E 03 0.6 REC 77, LENGTH 114

59999943E 0100

0.659999943E 01 0.110000000E 02 REC 78, LENGTH 114

00

1 34016924 0.320155273E 03-0.109729929E 02 0.104364312E 06-0.662997305E 00 0.164747314E 02 0.7 REC 79, LENGTH 114

00000000E 0100

0.857828064E 02 0.758282013E 02 0.431999969E 02 0.113099991E 03 0.170299988E 03 0.6 REC 80, LENGTH 114

89999962E 0100

0.735999962E 01 0.125999994E 02 REC 81, LENGTH 114

00

1 34523712 0.318971191E 03-0.109075499E 02 0.104397750E 06-0.459616184E 00 0.164787903E 02 0.7 REC 82, LENGTH 114

00000000E 0100

0.858816528E 02 0.763395081E 02 0.416999969E 02 0.113399994E 03 0.172500000E 03 0.6 REC 83, LENGTH 114

50000000E 0100

0.619999981E 01 0.130000000E 02 REC 84, LENGTH 114

00

1 35633358 0.316387451E 03-0.107646866E 02 0.104465562E 06-0.108887255E 00 0.164857178E 02 0.7 REC 85, LENGTH 114

00

150122015358 7.834561025E 01 2.218002375E 01 4.255731061E 04 1.216047733E 01 6.957159187E 00 1.1 REC 443, LENGTH 114
32095467E 0200

3.371907160E 02 4.311856800E 01 1.110000000E 02 5.730000000E 01 1.266000000E 02 8.8 REC 444, LENGTH 114

00000000E 0000

6.200000000E 00 4.000000000E 00

REC 445, LENGTH 114

00

150122515372 7.777257420E 01 2.257915954E 01 4.168445508E 04 1.257562000E 01 6.878699960E 00 1.2 REC 446, LENGTH 114
12099200E 0200

3.377507440E 02 4.191851200E 01 1.209000000E 02 5.530000000E 01 1.292000000E 02 7.1 REC 447, LENGTH 114

00000000E 0000

2.800000000E 00 4.100000000E 00

REC 448, LENGTH 114

00

150123016187 7.723163606E 01 2.299358554E 01 4.079690087E 04 1.307697833E 01 6.757371243E 00 1.2 REC 449, LENGTH 114
95395667E 0200

3.383923740E 02 4.069985633E 01 1.256000000E 02 5.620000000E 01 1.299000000E 02 6.9 REC 450, LENGTH 114

00000000E 0000

2.000000000E 00 3.600000000E 00

REC 451, LENGTH 114

00

150123515408 7.673001216E 01 2.342090112E 01 3.990011104E 04 1.357568000E 01 6.636382720E 00 1.3 REC 452, LENGTH 114
96649600E 0200

3.390059520E 02 3.941836800E 01 1.306000000E 02 5.750000000E 01 1.312000000E 02 5.4 REC 453, LENGTH 114

00000000E 0000

1.800000000E 00 3.000000000E 00

REC 454, LENGTH 114

00

150124015418 7.626765783E 01 2.386548954E 01 3.898680977E 04 1.407569667E 01 6.513075833E 00 1.5 REC 455, LENGTH 114
08167200E 0200

3.397059753E 02 3.818804933E 01 1.438000000E 02 5.470000000E 01 1.319000000E 02 6.9 REC 456, LENGTH 114

00000000E 0000

3.400000000E 00 3.300000000E 00

REC 457, LENGTH 114

00

150124515429 7.584575946E 01 2.432723211E 01 3.805850437E 04 1.457571500E 01 6.387616960E 00 1.6 REC 458, LENGTH 114
29685900E 0200

3.404060010E 02 3.680314100E 01 1.553000000E 02 5.360000000E 01 1.333000000E 02 5.5 REC 459, LENGTH 114

00000000E 0000

2.000000000E 00 3.200000000E 00

REC 460, LENGTH 114

00

150124824413 7.581163962E 01 2.462771667E 01 3.746572456E 04 1.489068833E 01 6.306983787E 00 1.7 REC 461, LENGTH 114
1578967E 0200

3.408469637E 02 3.598421033E 01 1.579000000E 02 5.660000000E 01 1.347000000E 02 5.1 REC 462, LENGTH 114

00000000E 0000

1.900000000E 00 2.900000000E 00

REC 463, LENGTH 114

00

150125015447 7.547976575E 01 2.480729053E 01 3.711502407E 04 1.507574500E 01 6.259457790E 00 1.7 REC 464, LENGTH 114
62723500E 0200

3.411211920E 02 3.548791400E 01 1.633000000E 02 5.540000000E 01 1.343000000E 02 4.3 REC 465, LENGTH 114
00000000E 0000

00

1.100000000E 00 2.600000000E 00 REC 466, LENGTH 114

150125515461 7.516369125E 01 2.530734446E 01 3.615570636E 04 1.557576833E 01 6.130148697E 00 1.9 REC 467, LENGTH 114
17276600E 0200

3.419363830E 02 3.408784867E 01 1.770000000E 02 5.410000000E 01 1.363000000E 02 4.7 REC 468, LENGTH 114
00000000E 0000

00

1.100000000E 00 2.400000000E 00 REC 469, LENGTH 114

15013 015473 7.490768466E 01 2.582785140E 01 3.518109068E 04 1.609094600E 01 5.998688727E 00 2.1 REC 470, LENGTH 114
00315333E 0200

3.428364190E 02 3.268779267E 01 1.937000000E 02 5.410000000E 01 1.373000000E 02 5.8 REC 471, LENGTH 114
00000000E 0000

00

1.300000000E 00 2.500000000E 00 REC 472, LENGTH 114

15013 515183 7.471390240E 01 2.636883550E 01 3.419139000E 04 1.667530500E 01 5.864667650E 00 2.3 REC 473, LENGTH 114
00122000E 0200

3.437506100E 02 3.127408500E 01 2.135000000E 02 5.300000000E 01 1.377000000E 02 5.0 REC 474, LENGTH 114
00000000E 0000

00

1.000000000E 00 2.200000000E 00 REC 475, LENGTH 114

150131015200 7.459894667E 01 2.693638667E 01 3.318207333E 04 1.727533333E 01 5.727906667E 00 2.5 REC 476, LENGTH 114
37666667E 0200

3.446506667E 02 2.977400000E 01 2.353000000E 02 5.180000000E 01 1.393000000E 02 6.9 REC 477, LENGTH 114
00000000E 0000

00

1.100000000E 00 2.000000000E 00 REC 478, LENGTH 114

150131515210 7.456950700E 01 2.752917350E 01 3.215502550E 04 1.737535000E 01 5.588902000E 00 2.8 REC 479, LENGTH 114
15210000E 0200

3.457507000E 02 2.817395000E 01 2.600000000E 02 5.110000000E 01 1.405000000E 02 4.8 REC 480, LENGTH 114
00000000E 0000

00

8.000000000E 01 1.800000000E 00 REC 481, LENGTH 114

150132015230 7.463533817E 01 2.814898300E 01 3.110894117E 04 1.847538333E 01 5.446892667E 00 3.1 REC 482, LENGTH 114
12768333E 0200

3.466507667E 02 2.659846667E 01 2.907000000E 02 4.930000000E 01 1.426000000E 02 6.7 REC 483, LENGTH 114
00000000E 0000

1.100000000E 00 1.700000000E 00 REC 484, LENGTH 114

00

150132515244 7.481068707E 01 2.879929087E 01 3.004287567E 04 1.907540667E 01 5.301378000E 00 3.5 REC 485, LENGTH 114
10325333E 0200

3.481262200E 02 2.457378000E 01 3.305000000E 02 4.830000000E 01 1.435000000E 02 5.8 REC 486, LENGTH 114
00000000E 0000

00

7.000000000E-01 1.200000000E 00 REC 487, LENGTH 114

150133015283 7.511309432E 01 2.947990562E 01 2.895771705E 04 1.975094333E 01 5.152358500E 00 3.9 REC 488, LENGTH 114
57924500E 0200

3.494264150E 02 2.327358500E 01 3.726000000E 02 4.690000000E 01 1.449000000E 02 5.5 REC 489, LENGTH 114
00000000E 0000

00

1.200000000E 00 1.400000000E 00 REC 490, LENGTH 114

150133515331 7.355981822E 01 3.019430543E 01 2.785076427E 04 2.037555167E 01 4.999578983E 00 4.5 REC 491, LENGTH 114
00662000E 0200

3.509266550E 02 2.149779333E 01 4.228000000E 02 4.830000000E 01 1.475000000E 02 7.0 REC 492, LENGTH 114
00000000E 0000

00

3.700000000E 00 1.300000000E 00 REC 493, LENGTH 114

150134015355 7.617682833E 01 3.094265525E 01 2.672265100E 04 2.107559167E 01 4.844566583E 00 5.1 REC 494, LENGTH 114
45828333E 0200

3.525267750E 02 1.969763333E 01 4.845000000E 02 5.200000000E 01 1.493000000E 02 7.7 REC 495, LENGTH 114
00000000E 0000

00

3.100000000E 00 1.100000000E 00 REC 496, LENGTH 114

150134515560 7.699471733E 01 3.172749333E 01 2.557183467E 04 2.175186667E 01 4.683701333E 00 5.9 REC 497, LENGTH 114
46680000E 0200

3.543278000E 02 1.779626667E 01 5.527000000E 02 5.220000000E 01 1.517000000E 02 9.7 REC 498, LENGTH 114
00000000E 0000

00

8.000000000E-01 1.500000000E 00 REC 499, LENGTH 114