

DATA SET CATALOG # 52

AMES MAGNETOMETER DATA

CORR AIR

1 tape

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 This inventory information is now no longer maintained in the DSCs, but is now managed in the inventory part of the NSSDC information system.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

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

AMES RESEARCH CENTER
MOFFETT FIELD, CALIFORNIA 94035

April 17, 1969

IN REPLY REFER TO PES

TELEPHONE 968-1114
AREA CODE 415

If the
duplicate is

Mr. Kenneth Michlovitz
National Space Science Data Center
NASA-Goddard Space Flight Center
Greenbelt, Maryland 20771

APR 23 1969

Subject: Magnetometer Data Tape, Ames Proton Magnetometer
Experiment, 1968 Airborne Aurora Expedition

Encs.

Dear Mr. Michlovitz:

1. Tabl
2. Reco
3. Samp

One reel of magnetic tape (NASA-ARC No. 20146 DOP) containing reduced scalar geomagnetic field data taken during the January 16 - February 10 segment of the 1968 Airborne Aurora Expedition is being mailed to you under separate cover. This reel contains some 28,000 proton precession magnetometer measurements taken while the NASA Convair aircraft flew between Fort Churchill, Manitoba and Thule, Greenland and between Fort Churchill and Fairbanks, Alaska. This data may be released to any interested scientist requesting it. Inquiries concerning the raw data processing techniques or the probable accuracies of the data should be referred to the undersigned.

The data is digitally recorded on an IBM 7094, 7-track magnetic tape at a density of 556 bits per inch using even parity BCD. There is only one file on the tape followed by the end of file. There are no labels or header records. A table of Source Program Characters showing the BCD code used is contained in enclosure 1. The tape is not blocked, i.e., there is only one logical record per physical record. All records are of the same length, 55 characters. Enclosure 2 presents the record format. Each record consists of uncorrected reading of the proton magnetometer output (in gamma) together with the location, time and calculated field at that point using the GSFC (12-66) set-1 spherical harmonic coefficient set. The measurement sampling rate was ten per minute.

In certain instances where the input data record was considered unreliable due to noise or other causes, a flagged record was written on this output tape. These flagged tapes contain the same number of characters as a normal record but the characters are all BCD zero. There are only two types of records, either all fields are considered to have correct values or are all zeros.

An IBM 7094 or IBM 360 will read the tape in FORTRAN. It is noted that in the case of the IBM 360, the DD statement for the data set must have TRTCH=ET. Samples of dumps of segments of the tape are shown in enclosure 3.

D-2166

11 70

APR 28 1968

Table of

If the tape being shipped is found to have been damaged, a duplicate can be furnished from the original located at Ames.

Ernest J. Inger
Principal Investigator
Ames Proton Magnetometer Experiment

Encs.

1. Table of Source Program Characters.
2. Record Format.
3. Sample of dumps of segments

D-2166 C-59

1/16/68 - 2/10/68

Character
Code

1 1 0

2 2 0

3 3 0

4 4 0

5 5 0

6 6 0

7 7 0

8 8 1

9 9 1

Blank Blank 0

10-15 1

16-4 1

The character
text in an N-M

APPENDIX C
TABLE FORTY

1. All long
1 model para
incorporated
ments as follo

Enclosure

Table of Source Program Characters

APR 26 1959

Character	Card	BCD Type	Storage	Character	Card	BCD Type	Storage	Character	Card	BCD Type	Storage	Character	Card	BCD Type	Storage
1	1	01	01	1	1	01	01	2	2	02	02	3	3	03	03
4	4	04	04	4	4	04	04	5	5	05	05	6	6	06	06
7	7	07	07	7	7	07	07	8	8	08	08	9	9	09	09
0	0	10	10	0	0	10	10	1	1	11	11	2	2	12	12
Blank	Blank	00	00	Blank	Blank	00	00	Blank	Blank	00	00	Blank	Blank	00	00
10-13	13	13	13	10-13	13	13	13	10-13	13	13	13	10-13	13	13	13
14-17	17	17	17	14-17	17	17	17	14-17	17	17	17	14-17	17	17	17

The characters \$ and ' (8-4) can be used in FORTRAN only as alphabetic text in an H-field.

APPENDIX C: DIFFERENCES BETWEEN FORTRAN II and FORTRAN IV

1. All language items distinguished by a column 1 model punch, except B, in FORTRAN II have been incorporated into FORTRAN IV by the Type statements as follows:

FORTRAN II Model Punch	FORTRAN IV Type Statement (See the section, "The Type Statements")
Double-precision arithmetic - D	DOUBLE PRECISION
Complex arithmetic - I	COMPLEX
Fixed - F	EXTERNAL

Enclosure (1)

Record Fo

1	2	3	4	5
1	2	3	4	5

30	31	32	33
A	n	n	n

Where:

n is a
i.e. c

is a

The ca
(e.g. 1
below

All fields of

point number

7094 or a36

READ (I,1) C
C(7), X
10

1 FORMAT

Then the error

variables will

IF

ID

IR

closure (

APR 28 1960

APR 28 1960

Record Format of Digital Tape ARC No. 20146

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
F	a	n	D	n	n	R	n	n	H	n	n	M	n	n	S	n	n	X	n	n	.	n	Y	n	n	n	.	n
30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55			
A	n	n	n	n	n	T	n	n	n	Q	n	n	n	Z	n	n	n	n	n	Z	n	n	n	n	n			

Where:

n is a numeric digit (leading zeroes in a field are written as blanks, i.e. code 20_g)

. is a decimal point (i.e. code 73_g)

The capital letters represent the corresponding 7094 tape BCD characters (e.g. F represents code 55_g), and identify the beginning of the fields listed below

All fields contain integer values, except the X and Y fields, which have floating point numbers. In other words, the tape may be read in FORTRAN on an IBM 7094 or a 360 using the following statements:

```
READ (1,1) C(1), IF, C(2), ID, C(3), IR, C(4), 1H, C(5), IM, C(6), IS,
      C(7), X, C(8), Y, C(9), IA, C(10), IT, C(11), IQ, C(12), IZ, C(13),
      1Z
```

```
1 FORMAT (6(A1, I2), A1, F4.1, A1, F5.1, A1, I5, 2(A1, I3), 2(A1, I5) )
```

Then the array C will contain the field identifier characters and the other variables will have values with the following meanings:

IF	Flight number	
ID	Day of magnetometer reading;	in universal time
IR	Year of magnetometer reading;	in universal time

closure (2)

EXTRAN IV Type Statements
(See the section, "The
Type Statements")

SUBLE PARCIRON
SUBLEX
INTERNAL

Encl (2) contin.

APP 8 1980

IR Hour of magnetometer reading; in universal time
 IM Minute of magnetometer reading; in universal time
 IS Second of magnetometer reading; in universal time

(universal time; if a reading was taken at 13:16:37 on the 4th of February, 1968 Greenwich Mean Time, then ID = 35, IR = 68, IH = 13, IM = 16, and IS = 37)

X Latitude at time of reading; in degrees west of the prime meridian to nearest tenth of a degree

Y Longitude at time of reading; in degrees north of the equator to the nearest tenth of a degree

IA Altitude at time of reading; in feet above the surface of the earth

IT 'True' heading of plane at time of reading; in degrees displaced in the clockwise direction from true (geodetic) north (i.e. if the plane was going straight east, IH = 90)

IQ Magnetic heading of plane at time of reading; in degrees displaced in the clockwise direction from magnetic north

IZ Value calculated by analytical model for magnetic field strength at the above position (see Section 3.4 for a description of the model) in units of gamma

IS Value of magnetometer reading; in units of gamma

Dumps of Segments of Output Tapes

The first sample is a hexadecimal dump of the tape as it actually is. Each 6 bit character has two leading zero bits appended to it and the resulting 8 bits were printed as two hexadecimal digits. For example, the character zero which is an octal 12 (6 bits) is printed as 00A. The first record is translated into BCD (@ is a blank)

F@1D16RG8H23M15S@6X37.5Y121.9A@4409T@S8Q@46ZS1351E51106

Apr 9 & 10
 in time
 in time
 in time
 in time
 February,
 16, and 25 = 37)
 of the prime
 is: tenth of a degree
 of the equator
 of a degree
 surface of
 in the
 on from true
 i.e. if the
 straight east,
 ced in the
 on from magnetic

Dumps of Segments of Output Tapes

F@1D16RG8H23M15S@6X37.5Y121.9A@4409T@58Q@46Z81351E51106

[illegible]

The second sample is a dump of the same records. It is again a hexadecimal dump, but this time the tape was read on a 360 with the translation option used, i.e. TRTCH=ET on the DD card. Thus, the characters appear in core as EBCDIC characters. This is a dump of the core images of the record.

[illegible]

APR 28 1951

10-20-52

F 1016R6BH234155 6X37.5Y121.9A 4409T 590 46Z51351E5110600000
 F 1016R6BH23415512X37.5Y121.9A 4619T 590 46Z51352E5110100000
 F 1016R6BH23415518X37.5Y121.9A 4629T 590 46Z51353E5109200000
 F 1016R6BH23415524X37.5Y121.9A 5039T 590 46Z51354E5108700000
 F 1016R6BH23415530X37.5Y121.9A 5259T 590 46Z51355E5108200000
 F 1016R6BH23415536X37.5Y121.9A 5429T 590 46Z51356E5107700000
 F 1016R6BH23415541X37.5Y121.9A 5634T 590 46Z51357E5106200000
 F 1016R6BH23415547X37.5Y121.9A 5844T 590 46Z51358E5105500000
 F 1016R6BH23415553X37.5Y121.9A 6054T 590 46Z51359E5104000000
 F 1016R6BH23415559X37.5Y121.9A 6264T 590 46Z51359E5102800000
 F 1016R6BH23415565X37.5Y121.9A 6474T 590 46Z51360E5102000000
 F 1016R6BH23415571X37.5Y121.9A 6684T 590 46Z51361E5101600000
 F 1016R6BH23415577X37.5Y121.9A 6894T 590 46Z51362E5110900000
 F 1016R6BH23415583X37.5Y121.9A 7104T 590 46Z51363E5109700000
 F 1016R6BH23415589X37.5Y121.9A 7314T 590 46Z51363E5108100000
 F 1016R6BH23415595X37.5Y121.9A 7524T 590 46Z51363E5106600000
 F 1016R6BH23415601X37.5Y121.9A 7734T 590 46Z51363E5106000000
 F 1016R6BH23415607X37.5Y121.9A 7944T 590 46Z51363E5105800000
 F 1016R6BH23415613X37.5Y121.9A 8154T 590 46Z51364E5105200000
 F 1016R6BH23415619X37.5Y121.9A 8364T 590 46Z51364E5105300000
 F 1016R6BH234175 4X37.5Y121.9A 9199T 590 46Z51364E5105600000
 F 1016R6BH23417510X37.5Y121.8A 9509T 590 46Z51364E5105200000
 F 1016R6BH23417516X37.5Y121.8A 9717T 590 46Z51365E5104400000
 F 1016R6BH23417522X37.5Y121.8A 9934T 590 46Z51366E5104100000
 F 1016R6BH23417527X37.5Y121.8A10115T 590 46Z51367E5104500000
 F 1016R6BH23417533X37.5Y121.8A10332T 590 46Z51368E5105200000
 F 1016R6BH23417539X37.5Y121.8A10549T 590 46Z51368E5105400000
 F 1016R6BH23417545X37.5Y121.8A10767T 590 46Z51369E5105700000
 F 1016R6BH23417551X37.5Y121.8A10984T 590 46Z51370E5106500000
 F 1016R6BH23417557X37.5Y121.8A11201T 590 46Z51371E5107000000
 F 1016R6BH234185 3X37.5Y121.8A11418T 590 46Z51372E5108500000
 F 1016R6BH234185 5X37.5Y121.8A11636T 590 46Z51373E5109700000

AMES MAGNETOME
 EXPERIMENT
 1/16/68 TO 2/10/68
 FIRST 6 PAGES

[Signature]

D-02166

C-0005

TIME	DESCRIPTION	REC	1. LENGTH	60
110600000	AMES MAGNETOMETER	REC	1. LENGTH	60
110100000	EXPERIMENT	REC	2. LENGTH	60
109200000	1/16/68 TO 2/10/68	REC	3. LENGTH	60
108700000	FIRST 6 PAGES	REC	4. LENGTH	60
108200000		REC	5. LENGTH	60
107100000	<i>[Signature]</i> C-00059	REC	6. LENGTH	60
106200000	D-02166	REC	7. LENGTH	60
105500000		REC	8. LENGTH	60
104000000		REC	9. LENGTH	60
102800000		REC	10. LENGTH	60
103900000		REC	11. LENGTH	60
060000000		REC	12. LENGTH	60
109000000		REC	13. LENGTH	60
057000000		REC	14. LENGTH	60
081000000		REC	15. LENGTH	60
066000000		REC	16. LENGTH	60
062000000		REC	17. LENGTH	60
058000000		REC	18. LENGTH	60
152000000		REC	19. LENGTH	60
153000000		REC	20. LENGTH	60
56000000		REC	21. LENGTH	60
52000000		REC	22. LENGTH	60
44000000		REC	23. LENGTH	60
41000000		REC	24. LENGTH	60
45000000		REC	25. LENGTH	60
52000000		REC	26. LENGTH	60
54000000		REC	27. LENGTH	60
57000000		REC	28. LENGTH	60
15000000		REC	29. LENGTH	60
00000000		REC	30. LENGTH	60
50000000		REC	31. LENGTH	60
70000000		REC	32. LENGTH	60

F 1D16R6EH23M18S14X37.6Y121.6A11817T 59Q 46Z51373E5110800000
F 1D16R6EH23M18S20X37.6Y121.6A12034T 59Q 46Z51374E5111700000
F 1D16R6EH23M18S26X37.6Y121.6A12251T 59Q 46Z51375E5112300000
F 1D16R6EH23M18S32X37.6Y121.6A12468T 59Q 46Z51376E5112700000
F 1D16R6EH23M18S38X37.6Y121.6A12686T 59Q 46Z51377E5112700000
F 1D16R6EH23M18S44X37.6Y121.6A12903T 59Q 46Z51378E5112300000
F 1D16R6EH23M18S50X37.6Y121.6A13126T 59Q 46Z51378E5111500000
F 1D16R6EH23M18S56X37.6Y121.6A13337T 59Q 46Z51379E5110600000
F 1D16R6EH23M19S 2X37.6Y121.6A13559T 59Q 46Z51380E5110000000
F 1D16R6EH23M19S 7X37.6Y121.6A13736T 59Q 46Z51381E5108000000
F 1D16R6EH23M19S13X37.6Y121.7A13953T 59Q 46Z51382E5107700000
F 1D16R6EH23M19S19X37.6Y121.7A14170T 59Q 46Z51383E5106100000
F 1D16R6EH23M19S25X37.6Y121.7A14387T 59Q 46Z51383E5104000000
F 1D16R6EH23M19S31X37.6Y121.7A14605T 59Q 46Z51384E5103900000
F 1D16R6EH23M19S37X37.6Y121.7A14822T 59Q 46Z51385E5102900000
F 1D16R6EH23M19S43X37.6Y121.7A15039T 59Q 46Z51386E5102100000
F 1D16R6EH23M19S49X37.6Y121.7A15256T 59Q 46Z51387E5101700000
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F 1D16R6EH23M20S59X37.6Y121.7A17791T 59Q 46Z51397E5097900000
F 1D16R6EH23M21S 5X37.6Y121.7A18008T 59Q 46Z51397E5097400000
F 1D16R6EH23M21S11X37.6Y121.6A18225T 59Q 46Z51398E5097100000
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F 1D16R6EH23M21S23X37.6Y121.6A18660T 59Q 46Z51400E5096200000
F 1D16R6EH23M21S29X37.6Y121.6A18877T 59Q 46Z51401E5095700000
F 1D16R6EH23M21S35X37.6Y121.6A19094T 59Q 46Z51401E5095200000
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F 1D16R6EH23M21S47X37.6Y121.6A19529T 59Q 46Z51403E5094700000
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51374E5111700000	REC	34. LENGTH	60
51375E5112300000	REC	35. LENGTH	60
51376E5112700000	REC	36. LENGTH	60
51377E5112700000	REC	37. LENGTH	60
51378E5112300000	REC	38. LENGTH	60
51378E5111500000	REC	39. LENGTH	60
51379E5110600000	REC	40. LENGTH	60
1380E5110000000	REC	41. LENGTH	60
1381E5108000000	REC	42. LENGTH	60
1382E5107700000	REC	43. LENGTH	60
1383E5106100000	REC	44. LENGTH	60
1383E5104000000	REC	45. LENGTH	60
1384E5103900000	REC	46. LENGTH	60
1385E5102900000	REC	47. LENGTH	60
1386E5102100000	REC	48. LENGTH	60
1387E5101700000	REC	49. LENGTH	60
1388E5101200000	REC	50. LENGTH	60
1388E5100900000	REC	51. LENGTH	60
1394E5100300000	REC	52. LENGTH	60
1395E5099200000	REC	53. LENGTH	60
1396E5098400000	REC	54. LENGTH	60
1397E5097900000	REC	55. LENGTH	60
1397E5097400000	REC	56. LENGTH	60
1398E5097100000	REC	57. LENGTH	60
1399E5096700000	REC	58. LENGTH	60
140E5096200000	REC	59. LENGTH	60
141E5095700000	REC	60. LENGTH	60
141E5095000000	REC	61. LENGTH	60
142E5094800000	REC	62. LENGTH	60
143E5094700000	REC	63. LENGTH	60
144E5094000000	REC	64. LENGTH	60

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F 1D16R6EH23M18S20X37.6Y121.8A12034T 590 46Z51374E5111700000
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F 1D16R6EH23M20S42X37.6Y121.7A17175T 590 46Z51394E5100300000
F 1D16R6EH23M20S48X37.6Y121.7A17393T 590 46Z51395E50995200000
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F 1D16R6EH23M21S29X37.6Y121.6A18877T 590 46Z51401E5095700000
F 1D16R6EH23M21S35X37.6Y121.6A19094T 590 46Z51401E5095200000
F 1D16R6EH23M21S41X37.6Y121.6A19312T 590 46Z51402E5094800000
F 1D16R6EH23M21S47X37.6Y121.6A19529T 590 46Z51403E5094700000
F 1D16R6EH23M21S52X37.6Y121.6A19710T 590 46Z51404E5094000000

51373E5110300000	REC	33. LENGTH	60
51374E5111700000	REC	34. LENGTH	60
51375E5112300000	REC	35. LENGTH	60
51376E5112700000	REC	36. LENGTH	60
51377E5112700000	REC	37. LENGTH	60
51378E5112300000	REC	38. LENGTH	60
51378E5111500000	REC	39. LENGTH	60
51379E5110600000	REC	40. LENGTH	60
51380E5110000000	REC	41. LENGTH	60
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51386E5102100000	REC	48. LENGTH	60
51387E5101700000	REC	49. LENGTH	60
51388E5101200000	REC	50. LENGTH	60
51388E5100900000	REC	51. LENGTH	60
5194E5100300000	REC	52. LENGTH	60
5195E5095200000	REC	53. LENGTH	60
5196E5098400000	REC	54. LENGTH	60
5197E5097900000	REC	55. LENGTH	60
5197E5097400000	REC	56. LENGTH	60
5198E5097100000	REC	57. LENGTH	60
5199E5096700000	REC	58. LENGTH	60
5200E5096200000	REC	59. LENGTH	60
521E5095700000	REC	60. LENGTH	60
521E5095000000	REC	61. LENGTH	60
52E50948000000	REC	62. LENGTH	60
53E50947000000	REC	63. LENGTH	60
54E50940000000	REC	64. LENGTH	60

F13041R6BH IM 6547X37.5Y122.1A 5217T1540138Z51327E4100700000
F13041R6EH IM 6553X37.5Y122.1A 5117T1540138Z51328E4100000000
F13041R6EH IM 7311X37.5Y122.1A 4817T1540138Z51328E4100000000
F13041R6EH IM 7525X37.5Y122.1A 4917T1540138Z51329E4100000000
F13041R6EH IM 7546X37.5Y122.1A 4234T1540138Z51329E4100500000
F13041R6EH IM 7552X37.5Y122.1A 4134T1540138Z51330E4100400000
F13041R6EH IM 7558X37.5Y122.1A 4034T1540138Z51330E4100400000
F13041R6EH IM 85 9X37.5Y122.1A 3934T1540138Z51330E4100000000
F13041R6EH IM 8516X37.5Y122.1A 3734T1540138Z51330E4100200000
F13041R6EH IM 8522X37.5Y122.1A 3634T1540138Z51330E4100500000
F13041R6EH IM 8527X37.5Y122.1A 3531T1540138Z51331E4100400000
F13041R6EH IM 8546X37.5Y122.1A 3253T1540138Z51331E 100100000
F13041R6EH IM 8551X37.5Y122.1A 3131T1540138Z51332E4100100000
F13041R6EH IM 8557X37.5Y122.1A 3051T1540138Z51332E4100400000
F13041R6EH IM 95 9X37.5Y122.1A 2851T1540138Z51332E4100400000
F13041R6EH IM 9516X37.5Y122.1A 2730T1540138Z51332E4100000000
F13041R6EH IM 9544X37.5Y122.1A 2207T1540138Z51333E4100500000
F13041R6EH IM 9550X37.5Y122.1A 2167T1540138Z51333E4100100000
F13041R6EH IM 9558X37.5Y122.1A 2067T1540138Z51334E4100400000
F13041R6EH IM 10S 2X37.5Y122.1A 1976T1540138Z51334E4100000000
F13041R6EH IM 10S15X37.5Y122.1A 1769T1540138Z51333E4100700000
F13041R6EH IM 10S31X37.4Y122.1A 1636T1540138Z51333E4100500000
F13041R6EH IM 10S37X37.4Y122.1A 1589T1540138Z51333E4100500000
F13041R6EH IM 10S43X37.4Y122.1A 1523T1540138Z51333E4100200000
F13041R6EH IM 10S55X37.4Y122.1A 1389T1540138Z51333E4100100000
F13041R6EH IM 11S 1X37.4Y122.1A 1323T1540138Z51333E4100000000
F13041R6EH IM 11S 7X37.4Y122.1A 1256T1540138Z51333E 100000000
F13041R6EH IM 11S16X37.4Y122.1A 1134T1540138Z51333E 100700000
F13041R6EH IM 11S24X37.4Y122.1A 1067T1540138Z51333E4100200000
F13041R6EH IM 11S30X37.4Y122.1A 1009T1540138Z51333E 100300000
F13041R6EH IM 11S36X37.4Y122.1A 934T1540138Z51333E 100000000

138Z51327E4100700000	REC 128, LENGTH 60
138Z51328E4100800000	REC 129, LENGTH 60
138Z51328E4100900000	REC 130, LENGTH 60
138Z51329E4101000000	REC 131, LENGTH 60
138Z51329E4101100000	REC 132, LENGTH 60
138Z51330E4101200000	REC 133, LENGTH 60
138Z51330E4101300000	REC 134, LENGTH 60
138Z51330E4101400000	REC 135, LENGTH 60
138Z51330E4101500000	REC 136, LENGTH 60
138Z51331E4101600000	REC 137, LENGTH 60
138Z51331E 1001700000	REC 138, LENGTH 60
138Z51332E4101800000	REC 139, LENGTH 60
138Z51332E4101900000	REC 140, LENGTH 60
138Z51332E4102000000	REC 141, LENGTH 60
138Z51332E4102100000	REC 142, LENGTH 60
138Z51332E4102200000	REC 143, LENGTH 60
138Z51333E4102300000	REC 144, LENGTH 60
138Z51333E4102400000	REC 145, LENGTH 60
138Z51334E4102500000	REC 146, LENGTH 60
138Z51334E4102600000	REC 147, LENGTH 60
138Z51333E4102700000	REC 148, LENGTH 60
138Z51333E4102800000	REC 149, LENGTH 60
138Z51333E4102900000	REC 150, LENGTH 60
138Z51333E4103000000	REC 151, LENGTH 60
138Z51333E4103100000	REC 152, LENGTH 60
138Z51333E4103200000	REC 153, LENGTH 60
138Z51333E 1003300000	REC 154, LENGTH 60
138Z51333E 1003400000	REC 155, LENGTH 60
138Z51333E 1003500000	REC 156, LENGTH 60
138Z51333E 1003600000	REC 157, LENGTH 60
138Z51333E 1003700000	REC 158, LENGTH 60

3E 100100000

REC 159. LENGTH 60

3E 100600000

REC 160. LENGTH 60

2E 100700000

REC 161. LENGTH 60

2E 120500000

REC 162. LENGTH 60

E4100100000

REC 163. LENGTH 60

E 120100000

REC 164. LENGTH 60

E 120000000

REC 165. LENGTH 60

E4100400000

REC 166. LENGTH 60

E4100200000

REC 167. LENGTH 60

E4100500000

REC 168. LENGTH 60

E4100600000

REC 169. LENGTH 60

00000000000

REC 170. LENGTH 60