

DATA SET CATALOG # 171

MODELING PROGRAM

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 This inventory information is now no longer maintained in the DSCs, but is now managed in the inventory part of the NSSDC information system.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

MODELING PROGRAMS

D-08548 C-06307

This data set catalog consists of 1 tape (D-08548) created on the 360/30. The tape consists of twenty ^{three} modeling programs loaded on tape using the 360 buffer. Tape is 556 BPI, 7 track, in BGD mode. The programs were loaded in the following order:

<u>FILE</u>	<u>KEYPUNCH USED</u>	<u>PROGRAM</u>
1	026	TRECO Program (360 Version)
2	029	AJLMAG Program
3	026	DIPOLE (Field (MEAD))
4	026	FIELD-FIELDG Program
5	029	SHELL (029 Version)
6	026	SHELL (026 Version)
7	029	INTEL (029 Version)
8	026	INTEL (026 Version)
9	029	MDTILT (CDC Version)
10	026	MDTILT (7094 Version)
11	029	MDTILT (360 Version)
12	026	LINTRA (026 Version)
13	029	LINTRA (029 Version)
14	026	KLUGE Coefficients
15	026	COSMOS Coefficients
16	026	B & L Program
17	029	MACTAL Program
18	029	JACKSON's Bottomside Program
19	029	JACKSON's Topside Program
20	026	IMP Shock Crossings
21	026	ALLMAG Program
22	026	NEW FIELD FIELD Program
23	029	

The following section will describe the proper documentation to be sent along with each modeling program,

File 1 - TREC0 - Send NSSDC 68-02 (one change is needed for this DUN) Page 43, 9th card up from the end card (seq# 882) If (PT) 7, 8, 9 The 8 is changed to a 4. The 4 is to accommodate AP-6 power law parameters.

File 2 - ALLMAG - Send NSSDC 72-12

File 3 - DIPOLE - X-641-70-198

File 4 - FIELD-FIELDG - Send X-612-68-501, DUN 68-11, there is already an information package made up.

Files 5, 6, 7, 8 - SHELL & INTEL - Send ESRO no's 72 & 67

Files 9,10,11 - MDTILT - See data set catalog number 138

Files 12,13 - LINTRA - Send X-642-68-429

File 14 - KLUGE Coeff. - Accompanies LINTRA Program - A listing of cards is sufficient.

File 15 - COSMOS Coeff - Accompanies COSMOS 49 Magnetometer data

File 16 - B & L - send DUN 67-27

File 17 - MAGTAL - See data set catalog number 159

File 18, 19 - JACKSON's Programs - See data set catalog number 147 - SEND X-625-71-186 ~~186~~

File 20 - IMP Crossings - Send X-692-70-45?

File 21 - ALLMAG - Send NSSDC 72-12

* All program sent out on requests should be accompanied by proper documentation and a listing of the program

FILE 22 - NEW FIELD-FIELDG
FILE 23 - 029 FIELD-FIELDG