

DATA SET CATALOG #64

N(h) Profiles
IONOSPHERIC Electron Density Composites
Carried 2 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 This inventory information is now no longer maintained in the DSCs, but is now managed in the inventory part of the NSSDC information system.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

WORLD DATA CENTER A
UPPER ATMOSPHERE GEOPHYSICS
ENVIRONMENTAL SCIENCE SERVICES ADMIN.
U.S. DEPARTMENT OF COMMERCE
BOULDER, COLORADO

The enclosed tape was written as follows:

DENSITY 556 BITS PER INCH
PARITY EVEN MODE BCD TRACK 7
DATE WRITTEN JUNE 25, 1970 COMPUTER USED CDC 3800
LABEL NONE

FORMAT OF TAPE:

LENGTH OF RECORDS 80 CHARACTERS
NUMBER OF RECORDS _____
NUMBER OF FILES 1 file per station year
BASIC FORMAT OF THE DATA ATTACHED

CONTENTS OF THE TAPE:

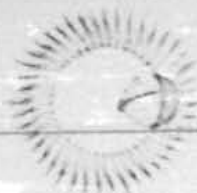
TYPE OF DATA N(A) PROFILES
DATES CONTAINED ATTACHED
STATIONS ATTACHED

COMMENTS:

TIME SPANS -	BEGIN	END
D-5553 (C-3863)	April, 1962	March, 1966
D-5554 (C-3864)	December, 1963	May, 1969



WORLD DATA CENTER A
Upper Atmosphere Geophysics
Environmental Science Services Administration
Boulder, Colorado 80302



SOLAR AND INTERPLANETARY PHENOMENA
IONOSPHERIC PHENOMENA FLARE-ASSOCIATED
EVENTS, AURORA, COSMIC RAYS, AIRGLOW

TELEPHONE AREA CODE 303
447-1000 EXT. 3331
CABLE ADDRESS: SOLAR

IN REPLY REFER TO:
R437/605.1

August 11, 1970

Mr. Joe Johns
Code 601.5
NASA Space Science Data Center
NASA Goddard
Greenbelt, Maryland 20771

Dear Mr. Johns:

Referencer: Your telephone call of August 6, 1970.

Enclosed are three copies of the revised card format for use with the two magnetic tapes containing N(h) data which we recently loaned to your Center.

We hope this will solve your problems - but if not - please call.

Sincerely yours,

Maybelle M. Wilcox

(Mrs.) Maybelle M. Wilcox
Technical Information Clerk

Encl.

10 values of N per card. Each value is to be multiplied by 100 to give electrons/cc. If either of first two digits is non-zero, last digit is rounded to zero.

PAGE 1 of 2

CARD TITLE

[illegible][illegible]

June 26, 1970

Institute for Telecommunication
Sciences

R60

Dr. Rodney Bent
DBA Systems
P. O. Drawer 550
Melbourne, Florida 32901

Dear Dr. Bent:

Enclosed are format information and a catalog of the electron density profile data you are receiving on magnetic tape through the World Data Center.

There are gaps in the data, some of which can be filled by computer analysis of virtual height data already on cards. Other gaps may be due to the lack of ionosonde data. If you need to fill in some of the gaps I can supply you with a detailed list of data availability and cost estimates for reducing it to electron density profiles.

During parts of 1964 and 1965 several stations (HU, TA, GR, BT) made 41-monthly composite tracings. Due to lack of usable ionograms at night, Narsarsuaq (GR) station personnel put all night ionograms together, but separated daytime ionograms. The code for all 4 stations:

in column 3 of all cards

- 0 - the entire month
- 1 - the first half of the month
- 2 - the last half of the month.

The peak parameters, particularly Scat, are sensitive to uncertainties near f_oF_2 and a simple smoothing in time may be desirable.

If you have any questions about the card format or about the $N(h)$ profile data please call me. I would also be interested in knowing about any errors or inconsistencies you may find.

Sincerely yours,

(Mrs.) A. R. Laird
Atmospheric Dynamics Program
Environmental Radio Physics Group

Enclosures.

cc: World Data Center

R60

DATA CENTER

Adak

	62	63	64	65	66	67	68	69
J		✓	✓	✓				
F		✓	✓					
M		✓	✓					
A	✓	✓	✓					
M		✓	✓					
J		✓	✓	✓				
J	✓	✓	✓					
A	✓	✓	✓					
S	✓	✓	✓					
O	✓	✓	✓					
N	✓	✓	✓					
D	✓	✓	✓					

File Marker at the end of each station year of data.

Boulder

	62	63	64	65	66	67	68
J						✓	
F						✓	
M						✓	
A						✓	
M			✓			✓	
J		✓				✓	
J		✓				✓	
A						✓	
S				✓	✓	✓	
O					✓	✓	
N					✓	✓	
D					✓	✓	

Cape Kennedy (General)

	62	63	64	65	66	67
J				✓		
F				✓		
M				✓		
A			✓	✓		
M			✓	✓		
J				✓		
Jy				✓		
A				✓		
S				✓		
O				✓		
N				✓		
D				✓		

Fort Monmouth

	62	63	64	65	66	67
J		✓	✓	✓		
F		✓		✓		
M		✓	✓			
A	✓	✓	✓			
M		✓	✓			
J		✓	✓	✓		
Jy	✓	✓	✓	✓		
A	✓	✓	✓			
S	✓	✓	✓	✓		
O	✓	✓	✓			
N	✓	✓	✓			
D	✓	✓	✓			

Grand Bahama

	62	63	64	65	66	67
J		✓	✓	✓		
F		✓	✓	✓		
M	✓	✓	✓	✓		
A	✓	✓	✓	✓		
M		✓	✓	✓		
J		✓	✓	✓		
Jy		✓	✓	✓		
A	✓	✓	✓	✓		
S	✓	✓	✓	✓		
O	✓	✓	✓	✓		
N	✓	✓	✓	✓		
D	✓	✓	✓	✓		

Goodman

	62	63	64	65	66	68
J		✓	✓	✓	✓	✓
F			✓	✓	✓	✓
M			✓	✓	✓	✓
A			✓	✓	✓	
M			✓	✓	✓	
J		✓	✓	✓	✓	
Jy	✓	✓		✓	✓	
A	✓	✓		✓	✓	
S	✓	✓		✓	✓	
O	✓	✓		✓	✓	
N		✓	✓	✓	✓	
D		✓		✓	✓	

Noissarschwag

	61	62	63	64	65	66	67
J		✓	✓		✓		✓
F			✓		✓		✓
M			✓		✓	✓	✓
A			✓		✓	✓	✓
M		✓	✓		✓	✓	
J		✓	✓		✓	✓	
J		✓	✓		✓	✓	
A		✓	✓		✓	✓	
S		✓	✓		✓	✓	
O		✓		✓	✓	✓	
N		✓		✓	✓	✓	
D	✓	✓		✓	✓	✓	

* See cover letter

Huacayo

	62	63	64	65	66	67	68	69	70
J			✓	✓	✓	✓	✓		
F			✓	✓	✓	✓	✓		
M			✓	✓	✓	✓	✓		
A			✓	✓	✓	✓			
M			✓	✓	✓	✓	✓		
J			✓	✓	✓	✓			
Jy			✓	✓	✓	✓			
A			✓	✓	✓				
S			✓	✓	✓				
O			✓	✓	✓				
N			✓	✓	✓				
D			✓	✓	✓				

Mexico City

	62	63	64	65	66	67	68
S			✓	✓	✓		
F				✓	✓		
M				✓	✓		
A				✓			
M				✓			
J				✓			
Jy				✓			
A				✓			
S				✓			
O		✓		✓			
N		✓	✓	✓			
D		✓	✓	✓			

Point Arguello

	62	63	64	65	66	67	68
J			✓	✓	✓		
F			✓	✓	✓		
M				✓	✓		
A				✓	✓		
M			✓	✓	✓		
J				✓			
Jy				✓			
A				✓			
S				✓			
D				✓			
N				✓			
D		✓		✓			

Talara

	62	63	64	65	66	67	68
J			✓	✓			
F			✓	✓			
M			✓	✓			
A			✓	✓			
M			✓	✓			
J			✓	✓			
Jy			✓	✓			
A			✓	✓			
S			✓	✓			
O			✓	✓			
N			✓	✓			
D			✓	✓			

Thule

	62	63	64	65	66	67	68
J		✓	✓	✓			
F		✓	✓	✓			
M		✓	✓	✓			
A		✓	✓	✓			
M		✓	✓	✓			
J		✓	✓	✓			
Sy		✓	✓	✓			
A		✓	✓	✓			
S		✓	✓	✓			
O	✓	✓	✓	✓			
N	✓	✓	✓	✓			
D	✓	✓	✓	✓			

Wallops Island

	62	63	64	65	66	67	68	69	70
J			✓	✓	✓	✓	✓	-	
F			✓	✓	✓	✓	✓	✓	
M			✓	✓	✓	✓	✓	✓	
A			✓	✓	✓	✓	✓	✓	
M			✓	✓	✓	✓	✓	✓	
J			✓	✓	✓	✓	✓	✓	
J			✓	✓	✓	✓	✓	✓	
A		✓	✓	✓	✓	✓	✓	✓	
S		✓	✓	✓	✓	✓	✓	✓	
O		✓	✓	✓	✓	✓	✓	✓	
N		✓	✓	✓	✓	✓	✓	✓	
D		✓	✓	✓	✓	✓	✓	✓	

[illegible]

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000000000000000024429600590000	REC	2. LENGTH	84 (Dupe of D-5553)
00867010000110000000003690000	REC	3. LENGTH	84
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01070011600122000000004000000	REC	15. LENGTH	84
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01260017600236000000003270000	REC	17. LENGTH	84
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02460027600339000000004110000	REC	23. LENGTH	84
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[illegible]

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[illegible]

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200034100363000000006630000	REC	17. LENGTH	84
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230034400366000000006720000	REC	20. LENGTH	84
780080400822000000000000000	REC	21. LENGTH	84
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180033900361000000006300000	REC	23. LENGTH	84
810080800825000000000000000	REC	24. LENGTH	84
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050083900858000000000000000	REC	30. LENGTH	84
0000000000000109301088 0000	REC	31. LENGTH	84
490027300301000000006360000	REC	32. LENGTH	84

[illegible]

69008950000000000000	REC	33. LENGTH	84
0000000011032110400000	REC	34. LENGTH	84
28002550000000016250000	REC	35. LENGTH	84
2600852000000000000000	REC	36. LENGTH	84
0000000011031008600000	REC	37. LENGTH	84
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3800887000000000000000	REC	39. LENGTH	84
5000000011832008600000	REC	40. LENGTH	84
09007730000000005940000	REC	41. LENGTH	84
0000000022433406900000	REC	42. LENGTH	84
02006100000000005280000	REC	43. LENGTH	84
0000000023533605000000	REC	44. LENGTH	84
030045800000000005860000	REC	45. LENGTH	84
0000000024735505200000	REC	46. LENGTH	84
0002980000000005490000	REC	47. LENGTH	84
000000002443650450000	REC	48. LENGTH	84
0002400000000005800000	REC	49. LENGTH	84
0000000025437204200000	REC	50. LENGTH	84