

#570

*Earth Sc.*

NIMBUS 7

SBUV TOMS

ZONAL MEANS TAPE (ZMT-S) 78-098A-09K

*ESAC-00015*

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 This inventory information is now no longer maintained in the DSCs, but is now managed in the inventory part of the NSSDC information system.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

REQ AGENT  
BER  
BER

RAND NO.  
V0048  
V0184

ACQ. SCIENTIST  
YPS  
CYN

NIMBUS 7

SBUV ZONAL MEANS TAPE (ZMT-S)

78-098A-09K **ESAC-00015**

TOMS ZONAL MEANS TAPE (ZMT-T)

78-098A-09J **Released**

THIS CATALOG CONTAINS THE ZMT-S DATA SET, CONSISTING OF 11 TAPES, AND THE ZMT-T DATA SET, WHICH WERE RELEASED ON 05/23/88. THESE TAPES ARE 9 TRACK, 1600 BPI, AND WERE CREATED ON AN IBM 3081 COMPUTER. THE TAPES ARE MULTI-FILED, THE FIRST BEING THE NIMBUS STANDARD HEADERFILE, AND THE LAST IS A TRAILER FILE, BOTH WRITTEN IN EBCDIC. ALL OTHERS ARE BINARY DATA FILES. DOCUMENTATION FOR THESE DATA SETS CAN BE FOUND IN ROOM 123, IN THE FILING CABINET. THE D AND C NUMBERS, ALONG WITH THE TIME SPANS ARE AS FOLLOWS:

78-098A-09K

<u>D#</u>	<u>C#</u>	<u>FILES</u>	<u>TIME SPAN</u>
D-56061	C-22952	15	10/31/78 - 09/30/79
D-60588	C-23667	15	10/01/79 - 09/29/80
D-60589	C-23668	15	09/30/80 - 10/01/81
D-64290	C-24244	15	10/02/81 - 09/30/82
D-64291	C-24245	15	10/01/82 - 09/30/83
D-64480	C-24291	15	10/01/83 - 09/29/84
D-74557	C-26217	15	10/01/84 - 09/29/85
D-79690	C-27206	15	10/01/85 - 09/30/86
D-78968	C-26858	6	10/01/86 - 12/31/86
D-78969	C-26859	12	01/01/87 - 09/30/87
D-78970	C-26860	8	10/01/87 - 02/29/88

B R I E F   D E S C R I P T I O N  
SBUV Zonal Means Ozone Tp(ZMT-S)  
78-098A-09K

This set of experimenter-supplied averaged ozone data was generated by an IBM 370/3081 computer magnetic tape. It contains daily, weekly, monthly, and seasonal averages of total ozone (Dobson units, i.e., matm-cm), ozone mixing ratios (microgram/g), and reflectivities in geodetic coordinates. The input data source is the High Density Solar Backscattered Ultraviolet ozone tapes (HDSBUV; NSSDC ID 78-098A-09D), and values are given for each of the same 19 pressure levels (0.3, 0.4, 0.5, 0.7, 1.0, 1.5, 2.0, 3.0, 4.0, 5.0, 7.0, 10, 15, 20, 30, 40, 50, 70, and 100 mbar) for 10-deg latitudinal zones from 80 deg S. to 80 deg N. There are also standard deviations, maximum and minimum values, and sample size. One tape contains an entire year of data. The ZMT-S dataset was not reprocessed using Version 6 algorithm. It was last reprocessed using Version 5.

M A T E R I A L S   F O R   D I S T R I B U T I O N  
78-098A-09K  
SBUV Zonal Means Ozone Tp(ZMT-S)

1) Nimbus 7 Solar Backscatter Ultraviolet (SBUV) Ozone Products User's Guide (NASA RP 1234, 1990), B41594-000A.

A C K N O W L E D G E M E N T S

When using the data in any reports, publications, or presentations, please acknowledge the National Space Science Data Center and the following individuals or groups:

78-098A-09K

Dr. Richard D. Mcpeters, Dr. Donald F. Heath, Members Of The SbuV  
Nimbus Experiment And Ozone Processing Teams

\$JOB 8:33:23  
\$ASS IN MT4  
\$NOP \*\*\* LIST OF BZ20 \*\*\*\*\*  
\$EXE TPLIST BS

INPUT PARAMETERS ARE: ED AL 1

TAPE NO. 1 FILE NO. 1  
RECORD 1 LENGTH 630  
\*NIMBUS-7 NOPS SPEC NO T634061 SQ NO FH93051B2 SBUV SACC TO IPD START 1979 305 000000 TO 1980 306  
000000 GEN 1982 266 125951 SBUV/TOMS ZONAL MEANS TAPES VERSION NO.  
B: INCLUDED DATA OF FIRST 3 DAYS IN 11/79.

SBUV/TOMS  
Zonal Means Tape  
ZMT-5  
11/01/79-11/01/80

TAPE NO. 1 FILE NO. 1  
RECORD 2 LENGTH 630  
\*NIMBUS-7 NOPS SPEC NO T634061 SQ NO FH93051B2 SBUV SACC TO IPD START 1979 305 000000 TO 1980 306  
000000 GEN 1982 266 125951 SBUV/TOMS ZONAL MEANS TAPES VERSION NO.  
B: INCLUDED DATA OF FIRST 3 DAYS IN 11/79.

\*\*\*\*\* JOB DONE.  
\$EXE TPDUMP BS