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NIMBUS 7
SBUV COMPRESSED OZONE DATA
SBUV CONTINUOUS SCAN EARTH RADIANCE TAPE
SBUV CONTINUOUS SCAN SOLAR FLUX TAPE

78-098A-09Q
78-098A-09U
78-098A-09V

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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 This inventory information is now no longer maintained in the DSCs, but is now managed in the inventory part of the NSSDC information system.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	RAND NO.	ACQ.AGENT
BER	V0184	YPS
SAR	V0322	CYN
JFB		CYN

NIMBUS 7

SBUV COMPRESSED OZONE (CPOZ)

SBUV CONTINUOS SCAN EARTH RADIANCE TAPE

SBUV CONTINUOS SCAN SOLAR FLUX TAPE

78-098A-09Q ESAC-00023

78-098A-09U ESAC-00025

78-098A-09V ESAC-00041

This data set catalog consists of 29 magnetic tapes. The D tapes are on 3480 cartridges and the C tapes are 9-track, 6250 BPI. The tapes were created on an IBM 3081 computer. Each tape has the Nimbus standard header file, written in EBCDIC, followed by multiple Binary data files, a trailer file and ending with a trailer documentation file. The D and C numbers, along with the time spans are as follows:

78-098A-09Q

D#	C#	FILES	TIME SPAN
D-062487 *	C-023930	59	10/31/78 - 12/31/78
D-062488 *	C-023931	283	01/01/79 - 12/31/79
D-062489 *	C-023932	294	01/01/80 - 12/31/80
D-062490 *	C-023933	280	01/01/81 - 12/31/81
D-062491 *	C-023934	285	01/01/82 - 12/31/82
D-062492 *	C-023935	314	01/01/83 - 12/31/83
D-074593 *	C-026221	359	01/01/84 - 12/31/84
D-075181 *	C-026361	358	01/01/85 - 12/31/85
D-075182 *	C-026362	360	01/01/86 - 12/31/86
D-101556	C-030902	358	01/01/87 - 12/31/87
D-101557	C-030903	360	01/01/88 - 12/31/88
D-101558	C-030904	363	01/01/89 - 12/31/89
D-101559	C-030905	174	01/01/90 - 06/21/90

* THESE TAPES WERE REPLACED ON 06/01/92

78-098A-09U

D#	C#	FILES	TIME SPAN
D-70255	C-25327	16	11/04/78 - 10/21/79
D-72056	C-25328	17	10/21/79 - 11/02/80
D-70257	C-25329	16	11/02/80 - 10/19/81
D-70258	C-25330	17	10/19/81 - 11/01/82
D-70259	C-25331	16	11/01/82 - 10/18/83
D-70260	C-25332	17	10/18/83 - 10/30/84
D-78533	C-26759	16	10/30/84 - 10/15/85
D-80280	C-27607	17	10/16/85 - 10/28/86

78-098A-09V

D#	C#	FILES	TIME SPAN
D-70261	C-25333	16	11/04/78 - 10/20/79
D-70262	C-25334	17	10/21/79 - 11/01/80
D-70263	C-25335	16	11/02/80 - 10/18/81
D-70264	C-25336	17	10/19/81 - 10/31/82
D-70265	C-25337	16	11/01/82 - 10/17/83
D-70266	C-25338	17	10/18/83 - 10/29/84
D-78534	C-26760	16	10/30/84 - 10/15/85
D-80281	C-27608	17	10/16/85 - 10/28/86

PROGRAM NAME: CPOZ_IBMVAX
TITLE: To convert IBM CPOZ tapes to VAX format.

FUNCTION:

To convert the NIMBUS 7 (SBUV CPOZ) tapes generated on an IBM 370/3081 computer to VAX computer format. The IBM tape is a single 6250 BPI, 9 track and unlabeled tape. Usually it contains one year of data. Refer to NIMBUS 7 tape specifications for further information regarding the tape format.

PROGRAM NARRATIVE SUMMARY:

This task is performed in two steps. First, the MODCOMP computer is utilized to convert and write the header file from EBCDIC to ASCII. Second step makes use of the CPOZ_IBMVAX_YEAR and CPOZ_IBMVAX_QUART programs to convert the binary files for VAX processing. CPOZ_IBMVAX programs are identical (only the Block Size is different). One is used to process the yearly CPOZ tapes and the other for processing quarterly CPOZ tapes. These programs accesses HUTIL utility Library for opening I/O channel and writing End_Of_File (EOF) mark for tape processing. In addition, subroutine TVAXFS is used to convert the IBM R*4 word to VAX R*4 word. Also note that byte swapping is required prior to the format conversion. Trailer Documentation File (TDF) may not be present on all tapes. Therefore, to identify the last file on the input tape, the IPD word is checked for every file. If the TDF is on the input tape it will not be written to output tape.

FULLY QUALIFIED PROGRAM NAME:

The related source, object, command and load module for the program are located in:

```
SYS$USR2:[OPERATIONS]CPOZ_IBMVAX_YEAR.FOR
SYS$USR2:[OPERATIONS]CPOZ_IBMVAX_YEAR.OBJ
SYS$USR2:[OPERATIONS]CPOZ_IBMVAX_YEAR.EXE
SYS$USR2:[OPERATIONS]CPOZ_IBMVAX_YEAR.COM

SYS$USR2:[OPERATIONS]CPOZ_IBMVAX_QUART.FOR
SYS$USR2:[OPERATIONS]CPOZ_IBMVAX_QUART.OBJ
SYS$USR2:[OPERATIONS]CPOZ_IBMVAX_QUART.EXE
SYS$USR2:[OPERATIONS]CPOZ_IBMVAX_QUART.COM
```

RUN INSTRUCTIONS:

As previously stated, conversion of the IBM CPOZ tape is performed in two steps as follows:

1) **Translation of the header file (first file) from EBCDIC to ASCII.** Use MODCOMP computer facility for this conversion. Provide the input and output tapes and submit a request for the conversion.

2) **Conversion of the remaining files from IBM real*4 to VAX real*4 format.** This step is performed on VAX computer. To accomplish this, the following steps should be taken:

   - Allocate two tape drives.

- Put GSFC stickers (Reel Names) on the tapes.
- Install (load) the tapes on the assigned drives.
- Activate the appropriat DCL procedure to run the job.

The command format is : @CPOZ_IBMVAX_YEAR or
@CPOZ_IBMVAX_QUART

You will be prompted for the input and output Device Name (Tape Drive Logical Name) that are allocated and the Reel names. The DCL procedure issues commands to mount and advance the tapes to the beginning of the second file. Then the conversion process is activated. Finally, the tapes are rewound and dismounted.

- Deallocate the tape drives.

```
**** TSO FOREGROUND HARDCOPY ****
DSNAME=XRIKF.CPOZ.FOR

C     PROGRAM CPOZ_IBMVAX_YEAR
C
C***********************************************************************
C
C     NAME- CPOZ_IBMVAX_YEAR
C
C     LANGUAGE- FORTRAN VS          TYPE- MAIN
C
C     VERSION- 1.0      DATE- 4/20/88       PROGRAMMER- K.FAKHRAI(SAR)
C
C     FUNCTION-
C        TO CONVERT THE NIMBUS 7 (SBUV CPOZ) TAPES GENERATED ON AN
C        IBM 370/3081 COMPUTER TO VAX COMPUTER FORMAT. THE IBM TAPE IS
C        A SINGLE 6250 BPI, 9 TRACK TAPE. THE TAPE CONTAINS A HEADER
C        FILE + MULTIPLE BINARY DATA FILES + TRAILER FILE + TRAILER
C        DOCUMENTAION (TDF) FILE. THE TDF MAY NOT EXIST ON ALL TAPES.
C        REFER TO NIMBUS 4 TAPE SPECIFICATIONS FOR FURTHER INFORMATION
C        REGARDING THE TAPE FORMAT.
C
C     PARAMETERS-
C        VARIABLE              TYPE I/O FUNCTION
C        --------              ---- --- --------
C        IBUF1(18432)          L*1   I  INPUT BUFFER TO HOLD A PHYS.
C                                       REC. OF DATA.
C        OBUF1(18432)          L*1   O  OUTPUT BUFFER CONVERTED AND
C                                       WRITTEN TO VAX TAPE.
C
C     FILES-
C        DSN OR DESCROPTIVE TITLE  I/O UNIT FUNCTIONAL DESCRIPTION
C        ------------------------  --- ---- ----------------------
C        IBM CPOZ TAPE              I  10   USUALLY CONTAINS AN ENTIRE
C                                           YEAR'S OF DATA.
C        VAX CPOZ TAPE              O  11   SAME AS ABOVE BUT CONVERTED
C
C     KEY LOCAL PARAMETERS-
C        VARIABLE              TYPE FUNCTION
C        --------              ---- --------
C        OBUF4(4608)           R*4  BUFFER TO HOLD R*4 WORD
C        IOFLAG                I*4  FLAG TO REPORT I/O ERROR
C        IPDWD                 I*4  IPD WORD USED TO DETECT THE LAST FILE
C        NUMWD                 I*4  NUMBER OF R*4 WORDS IN PHYS. RECORD.
C        EDATE                 C*1  IBM EBCDIC DATE TO BE CONVERTED
C        ADATE                 C*1  VAX ASCII DATE
C
C     SUBPRGRAMS CALLED- TVAXFS,WEOF,LIB$TRA_EBC_ASC
C
C     COMMON AREAS- NONE
C
C     BLOCK DATAS- NONE
C
C     COMMONENTS-
C        - LINK CPOZ_IBMVAX_YEAR,NCF_CDAW_DEV:[LECKNER]HUTIL/LIB
C        - First file (Header) on each tape is converted to ASCII by
C          MODCOMP and written to VAX tape.
C        - Trailer Documentaiton File is not processed.
C        - Use SET MAGTAPE commands for positioning the tapes.
```

```
C
C*********************************************************************
C
      LOGICAL*1    IBUF1(18432),OBUF1(18432)
      LOGICAL*4    EOF,EOT
      INTEGER*2    IPDWD(2),CHANNEL
      INTEGER*4    WDLEN,NUMWD,RCODE
      CHARACTER*1 EDATE(16),ADATE(16)
      CHARACTER*30 LOG_NAME
      REAL*4       OBUF4(4608),R4IN,R4OUT
      EQUIVALENCE (OBUF1(1),OBUF4(1),IPDWD(1))
      EQUIVALENCE (OBUF1(37),ADATE(1))
      EQUIVALENCE (IBUF1(37),EDATE(1))
C
C --- INITIALIZE VARIABLES
C
      NUMWD  = 4608
      IRLEN  = 288
      WDLEN  = 4
      IN_LUN = 10
      OUT_LUN= 11
C
C --- READ THE SBUV CPOZ FILES FROM IBM TAPE AND PREPEAR THEM FOR VAX
C --- COMPUTER. START LOOP THROUGH THE FILES; BEGINING WITH THE 2ND
C --- FILE. OPEN INPUT AND OUTPUT TAPES FOR PROCESSING.
C
      OPEN (UNIT=10,FILE='INFILE',TYPE='OLD',FORM='UNFORMATTED',
     +      ACCESS='SEQUENTIAL',RECORDTYPE='VARIABLE',IOSTAT=IOFLAG)

      IF (IOFLAG .NE. 0) THEN
        TYPE*,' **** ERROR OPENINIG INPUT TAPE DRIVE **** ',IOFLAG
        CALL EXIT
      END IF
C
      OPEN (UNIT=11,FILE='OUTFILE',TYPE='OLD',FORM='UNFORMATTED',
     +      ACCESS='SEQUENTIAL',RECORDTYPE='VARIABLE',IOSTAT=IOFLAG)

      IF (IOFLAG .NE. 0) THEN
        TYPE*,' **** ERROR OPENINIG OUTPUT TAPE DRIVE **** ',IOFLAG
        CALL EXIT
      END IF
C
C --- ASSIGN THE OUTPUT TAPE DRIVE CHANNEL
C
      LOG_NAME='OUTFILE'
      CALL ASSCHAN(LOG_NAME,CHANNEL,RCODE)
      IF (RCODE .NE. 0)TYPE*,'MUST WRITE MANUAL DOUBLE-EOF'

      IFPOS = 0
      EOT = .FALSE.

      DO WHILE (.NOT. EOT)
        IRECNO = 0
        EOF = .FALSE.
C
C ---   START LOOP TO READ RECORDS IN A FILE. PROCESS ONE BLOCK OF DATA
C ---   AT A TIME. BYTE SWAPPING IS REQUIRED PRIOR TO THE FORMAT
C ---   CONVERSION STEP (TVAXFS). CHECK THE IPD WORD OF THE 1ST RECORD
C ---   IN A FILE FOR FINDING THE LAST FILE ON THE TAPE.
C
```

```
      DO WHILE ( .NOT. EOF )
        IRECNO = IRECNO + 1
        READ (10,END=777,IOSTAT=IOFLAG) IBUF1

        IF (IOFLAG .GT. 0) GO TO 666
C
C ---   R*4 SWAPPING IS PERFORMED HERE FOR IBM TO VAX
C
        DO I=1,NUMWD
          IBYTE = (I-1) * WDLEN
          OBUF1 (IBYTE + 2) = IBUF1 (IBYTE + 1)
          OBUF1 (IBYTE + 1) = IBUF1 (IBYTE + 2)
          OBUF1 (IBYTE + 4) = IBUF1 (IBYTE + 3)
          OBUF1 (IBYTE + 3) = IBUF1 (IBYTE + 4)
        END DO
C
C ---   CHECK THE IPD WORD TO DETECT THE LAST FILE ON THE INPUTTAPE.
C ---   THE TRAILER DOCUMENTAION FILE (TDF) IS NOT PROCESSED; SINCE
C ---   IT DOES NOT EXIST ON ALL TAPES. 1ST RECORD OF THE FILE HAS
C ---   TO BE PROCESSED DIFFERENTLY.
C
        IF (IRECNO .EQ. 1) THEN
          IF (IPDWD(2).LT.0) THEN
            EOT = .TRUE.
          ELSE
            DO K= 1,16
              ISTAT = LIB$TRA_EBC_ASC (EDATE(K),ADATE(K))
            END DO
          END IF

          DO K=2,72
            IF (( K .LT. 10) .OR. ( K .GT. 13)) THEN
              R4IN = OBUF4(K)
              CALL TVAXFS (R4IN,R4OUT)
              OBUF4(K) = R4OUT
            END IF
          END DO
        END IF

C
C ---   CONVERT THE IBM R*4 TO VAX R*4; BUT NOT THE IPD WORD
C
        SREC = 1
        IF (IRECNO .EQ. 1) SREC = 2

        DO J=SREC,64
          DO K=2,72
            KK = (J-1) * 72 + K
            R4IN = OBUF4(KK)
            CALL TVAXFS (R4IN,R4OUT)
            OBUF4(KK) = R4OUT
          END DO
        END DO
C
C ---   WRITE THEM TO OUTPUT TAPE AND GET THE NEXT RECORD.
C
        WRITE(11,ERR=555) OBUF1
        GOTO 999
C
C---    REPORT I/O ERROR
```

```
**** TSO FOREGROUND HARDCOPY ****
DSNAME=XRIKF.CPOZ.COM

$! This procedure submits the cpoz tape job in forground
$ write sys$output "   CPOZ_IBMVAX_YEAR DCL VERSION 1.0  "
$ write sys$output " CONVERT THE IBM YEARLY CPOZ TAPE TO VAX FORMAT "
$ write sys$output " Enter the following information at the prompt! "
$ write sys$output " "
$ inquire yn "Have allocated the Input and Output Tape Drives? (Y/N)"
$ if yn .eqs. "n" .or. yn .eqs. "N" then goto tell
$ inquire intape "Enter the Input Device Name "
$ inquire outape "Enter the Output Device Name "
$ inquire invol "Enter the input Reel name or Label "
$ inquire outvol "Enter the Output Reel name or Label "
$!
$! issue command to mount the input and output tapes
$!
$ mount/foregin/denstiy=6250/blocksize=18432 'intape' 'invol' infile
$ mount/foregin/density=6250/blocksize=18432 'outape' 'outvol' outfile
$!
$! Make sure the tapes are the BOT
$!
$ set magtape/rewind 'intape'
$ set magtape/rewind 'outape'
$!
$! Advance the input and output tapes; Processing starts from 2nd file.
$!
$ set magtape/skip=files:1 'intape'
$ set magtape/skip=files:1 'outape'
$ run sys$usr2:[operations]cpoz_ibmvax_year
$!
$! Rewind the tapes and dismount them.
$!
$ set magtape/rewind 'intape'
$ set magtape/rewind 'outape'
$ dismount 'intape'
$ dismount 'outape'
$ exit
$ tell: type sys$input
        You shoul allocate the tape drives before initiating this
        DCL procedure. Try agin later.
```

```
C
  555     CONTINUE
          PRINT *,' **** ERROR OCCURED WRITING RECORD#,= ',
     +              IRECNO
          GO TO 999

  666     CONTINUE
          PRINT *,' **** ERROR OCCURED READING INPUT TAPE, IRECNO= ',
     +              IRECNO,IOFLAG
          GO TO 999
C
C ---     END OF FILE ENCOUNTERED
C
  777     CONTINUE
          EOF = .TRUE.
  999     CONTINUE
        END DO
C
C ---   FINISHED PROCESSING FILE. WRITE EOF MARK.
C
        CALL WEOF(CHANNEL)
        IFPOS = IFPOS + 1
        PRINT *,' **** FINISHED PROCESSING FILE# ',IFPOS

      END DO
C
C --- PROCESSING OF ALL FILES ARE COMPLETED. WRITE DOUBLE EOF MARK.
C --- CLOSE AND REWIND THE TAPES.
C
      CALL WEOF(CHANNEL)
      CLOSE(10)
      CLOSE(11)

      END
```

```
$NOP
$NOP
$NOP  **** LIST OF FILE ONE ON B062A ***
$EXEC TPLIST BS

INPUT PARAMETERS ARE:  ED AL 1

 TAPE NO.   1              FILE NO.   1
 RECORD   1                LENGTH   630
*NIMBUS-7 NOPS SPEC NO T634441 SQ NO FK92741B2 SBUV SACC TO IPD  START 1979 275 061400 TO 1999 365
240000 GEN 1985 233 233556 VERSION 5 OZ-S ALGORITHMS FOR TOTAL OZ & PROFILE ; USE NEW CALIBRATIONS,
STANDARD PROFILES,ABSORPTION & SCATTERING COEFFICIENTS USE VERSION 5.0 OZONE-S (JULY 85);NEW STANDA
RD OZONE PROFILES;NEW ABSORPTION & SCATTERING COEFFS;NEW ALGORITHMS & CALIBRATION


 TAPE NO.   1              FILE NO.   1
 RECORD   2                LENGTH   630
*NIMBUS-7 NOPS SPEC NO T634441 SQ NO FK92741B2 SBUV SACC TO IPD  START 1979 275 061400 TO 1999 365
240000 GEN 1985 233 233556 VERSION 5 OZ-S ALGORITHMS FOR TOTAL OZ & PROFILE ; USE NEW CALIBRATIONS,
STANDARD PROFILES,ABSORPTION & SCATTERING COEFFICIENTS USE VERSION 5.0 OZONE-S (JULY 85);NEW STANDA
RD OZONE PROFILES;NEW ABSORPTION & SCATTERING COEFFS;NEW ALGORITHMS & CALIBRATION


***** JOB DONE.
$WEO LPS
```

80 275

SBUV CPOZ Ver. 5
#2
10/02/79 - 10/01/80
285 Files

NIMBUS-7 (PROCESS)
① EBCDIC test records 1 & 2 of file ①
② Hex dump the 1st record of the [illegible] to the last file

```
$$
$REW IN
$NOP
$EXEC TPDUMP BS
```

DUMP OF TAPE B062A

INPUT TAPE B062A ON HT0
DATA INPUT H9 NF=283 SR=283=12=2

#2 VERSION 5

FILE	INPUT RECS.	DATA RECORDS INPUT	MAX. SIZE	READ ERROR SUMMARY PERM	ZERO B	SHORT	UNDEF.	INPUT RETRIES #RECS.	TOTAL#
1	2	2	630	0	0	0	0	0	0

FILE 283 RECORD 12 LENGTH 28800 BYTES

(0)	02301400	4344D000	44263400	42500000	43112000	4513B670	422D8438	C2A83379	4231542C	00000000
(40)	4046021D	431796E0	43179871	4117B472	431787F2	431783A4	4316C042	431624A5	431545DA	4313E485
(80)	43122B45	42F67743	42A72CD9	428B6E75	426F9887	426C8FDE	401A5381	40465AC9	41109E98	413CC84E
(120)	41B3781F	4218026A	42267ADE	42405E0A	4258F8AC	42496D87	422AA919	421F5652	4212A3CC	41B294CC
(160)	415D7E53	414301B7	41324BCD	4140647B	415EE0B4	4171A9E0	41AAA033	42111005	421CF846	4218A2A7
(200)	411EAF8E	41280672	41310642	4142D8C4	415D07BC	418393F1	41A04A60	41C25B30	41D00AC0	41D201FC
(240)	41C5EF1D	41AB1B6B	419677A2	418F0FF3	417DA26E	416B62F9	41597023	413ACCE6	412119B4	C24D0000
(280)	4230A1F6	42327D32	02301400	4344E000	44263400	42500000	43112000	4513B870	422F51B4	C2A8F370
(320)	42332DF1	00000000	403AE921	4317AB2F	4317ACFE	4111E6F1	4317984A	4317A17E	4316DBA9	43163DBB
(360)	43156181	4313FE28	431251A3	42FA98AF	42AB7C76	428F8FA2	4273A40D	4270DC42	401AC95C	404855A7
(400)	4110F9B9	413CE10C	41B20411	4217DF0E	4225E2EE	423FFF60	425A1D98	424AE046	422A8422	421F5888
(440)	42129134	41AFE897	415D5C4C	4142954A	4132C8A0	41403CBC	415F205C	4170FA69	41A9BA44	4210E16A
(480)	421D0C9B	42189EB6	411F8D7B	412929DF	413265E2	41446EE5	415E57F9	4183B730	419F6F28	41C09FAA
(520)	41CE8738	41D0F48C	41C4BC79	41A88EAC	41940219	418DACB4	417DD6CD	416C7E8C	415ADAF5	413BFF28
(560)	4121C1C6	C24D0000	42327BBA	423456F6	02301400	4344F000	44263400	42500000	43112000	4513BA70
(600)	42311DB8	C2A9C389	42350813	00000000	403815FC	4317FBF8	4317FCE2	40948CA5	4317B880	4317BA3E
(640)	4316F86D	43165BB3	43157C16	43141CAA	43127F7E	42FF56DE	42AF9657	4292D3F6	427626D9	427373DC
(680)	401A21F7	4046B593	4110F7DB	413E273A	41B243D1	42176274	4225E7CE	424195BB	425C5125	424C3084
(720)	422AD785	421F973C	42128AED	41AEFE0C	415CD1AE	41412D8C	4132F08F	41408D96	415ECC30	417001DA
(760)	41A9A464	4210D92E	421D3E2E	4218A0BC	411EA701	41284A56	41319F00	41442D17	415F6C25	4186C99A
(800)	41A27A68	41C0C145	41CBF010	41CCBC59	41C066E6	41A7707B	41960789	4190EFD8	41815D08	416F43D9
(840)	415CFC99	413D39A8	41224A83	C24D0000	423456F6	42362F43	02301400	43450000	44263400	42500000
(880)	43112000	4513BC70	4232E7B8	C2AA9C11	4236E060	00000000	403F1292	43184FE7	43185113	4042660B
(920)	4317CFAB	4317CF9D	43171281	431675B3	4315990C	43143C40	4312AB63	43103BAA	42B2E042	4295204B
(960)	4276E79F	4273DC98	40197B8B	4044E187	4110BDE6	413E7F30	41B2ADF5	42173C92	4225C702	4242372C
(1000)	425E04F4	424E45FA	422BCE83	421FEB56	42128491	41AE4121	415C9335	41402F69	4132EBAC	4140802C
(1040)	415ED88C	416FAE2F	41AA438C	4210C762	421D5626	4218A407	411DC65E	41274456	41307D4E	41431730
(1080)	415EF79D	4187B6AF	41A3C930	41C1299A	41CB6D58	41CBA090	41BEE68D	41A676B0	419630B9	4191FE3D
(1120)	418327A8	41712586	415ECE3D	413EBB15	41234BC5	C24D0000	42362F43	42380790	02301400	43451000
(1160)	44263400	42500000	43112000	4513BE70	4234AD22	C2AB845E	4238B67A	00000000	4044307D	4318A48F
(1200)	4318A493	403344B8	4317E74D	4317E8CC	43173061	431690C9	4315B677	43145BCC	4312D324	4310824D
(1240)	42B6DF1C	4297FA39	42784F7C	42752260	4018EFB0	4043A049	4110BFF7	413F32D5	41B1E886	4216F7F0
(1280)	42258C01	4241F13D	425E9597	4251723C	422DD85A	42204E5F	42127BCA	41ACFD66	415C0CA1	413EF951
(1320)	4133288A	414098D0	415ECBC3	416F68A7	41AAFC6F	4210ABCB	421D20BB	4218A51D	411D0E2D	41269A74
(1360)	412FF48E	4142FD38	415FB786	4189744E	41A50F00	41C0147A	41C9311C	41C929D0	41BCC4B9	41A54B89
(1400)	4195840E	419148F2	4182C9F7	41715533	415F903D	41405EC1	41250F5A	C24D0000	42380790	4239D9FF
(1440)	02301400	43452000	44263400	42500000	43112000	4513C070	42367433	C2AC7BB3	423A8EC7	00000000
(1480)	40451F16	431892AC	431891D3	C023A55D	4317FC44	431804E8	43174C69	4316AE87	4315D3EC	431479A2
(1520)	4312FA38	4310BAB4	42B9ECA1	429AA5C5	427A7BC9	42774A16	4018DADE	4043AD41	4110CC45	413F6A58
(1560)	41B0C976	42169928	42251D4C	424286AB	425F4767	425009F9	422D3269	4220768F	4212697F	41AAC67B
(1600)	415C01AD	413E09DE	41337389	4140A16E	415EC85D	416F2EDD	41A9F18A	4210D489	421D392A	4218A85D
(1640)	411D0D29	4126A434	41300706	414328E6	416018CF	418A0212	41A53408	41BECAE0	41C6CD68	41C61FD0
(1680)	41B96AE9	41A2B953	4194E2EC	419239CF	41847FD3	417285F3	4160240A	413FEA1D	41242C81	C24D0000
(1720)	4239DFDD	423BB24C	02301400	43453000	44263400	42500000	43112000	4513C470	4239F988	C2AEAC31
(1760)	423E3C42	00000000	40658593	4317DB8A	C24D0000	C0690513	43183E47	43184804	43178B95	4316F60E
(1800)	43161BD9	4314C478	431347ED	431117DB	42BD8DC8	429C8329	4279C0E5	4275DFA8	40199D84	404695F2
(1840)	4111348B	41406644	41B344E2	42167F02	4223D9E0	4240CE7F	425ED22B	424EA253	42296342	421F63A8
(1880)	42122970	41A3AE32	415CBA7F	413BED48	41341CCC	41406533	41603CB2	4170541A	41A9F1C3	421097BC
(1920)	421E20E4	4218AF90	411E76B1	412842CC	4131B7DE	4144E1A4	4161E298	418C15AC	41A7B0B0	41C19F4A
(1960)	41C8BC30	41C697AC	41B70550	419D8323	418F43C2	418DBDA5	41823C09	4171D166	4160034C	413F8A78
(2000)	41234F27	C24D0000	423D8A99	423F645D	02301400	43454000	44263400	42500000	43112000	4513C670
(2040)	423BB8E6	C2AFEC22	42401347	00000000	408961D8	4317F518	4317D70D	C0884A3C	43185EB6	43186CB9
(2080)	4317AE2D	431713EC	43163E2C	4314EF41	43137A19	431152CE	42BE3523	429B3064	4275C80D	4270E9FB
(2120)	401A3CA1	40493282	41119DD8	413FAB3D	41B022BA	4216C4B5	42247E23	4240E85D	425EB383	425001FE
(2160)	422BD824	42157D7A	421203FB	419F8AB9	415CF82B	413B0525	4134C48F	413FE895	415F9F37	41722C0D

EBCDIC LIST OF NIMBUS SBUV

78-098A-09U

FILE 1 RECORD 1 630 BYTES

*NIMBUS-7 NOPS SPEC NO T634251 SQ NO FC52891A2 SBUV SACC TO IPD START 1985 289
ARTH TAPES - VERSION NO. 2.1
SCAN VERSION 2.1

78-098A-09V
SBUV Continuous Scan Solar Flux Tape
D-70261
C-25333
11/04/78 - 10/20/79
16 F

```
NO PROCEDURE
$NOP
$NOP
$NOP ********* BO-36 *********
$EXE TPLIST BS

INPUT PARAMETERS ARE:  ED AL 1

 TAPE NO.   1              FILE NO.   1
 RECORD   1                LENGTH   630
*NIMBUS-7 NOPS SPEC NO T634241 SQ NO FU83081B2 SBUV SACC TO IPD  START 1978 308 000000 TO 1979 293
240000 GEN 1985 189 201939 SBUV SUNC  TAPES - VERSION NO. 2.0
                                                CONTINUOUS SCAN VERSION 2.0


 TAPE NO.   1              FILE NO.   1
 RECORD   2                LENGTH   630
*NIMBUS-7 NOPS SPEC NO T634241 SQ NO FU83081B2 SBUV SACC TO IPD  START 1978 308 000000 TO 1979 293
240000 GEN 1985 189 201939 SBUV SUNC  TAPES - VERSION NO. 2.0
                                                CONTINUOUS SCAN VERSION 2.0


***** JOB DONE.
$WEO LPS


$$
$NOP
```

```
$ASS IN B01
$
ILLEGAL FILE/DEVICE NAME
$ASS IN HT1
$EXE TPLIST BS

INPUT PARAMETERS ARE:  ED SR=1=1 1 1 1

 TAPE NO.   1              FILE NO.   1
 RECORD   1                LENGTH   630
*NIMBUS-7 NOPS SPEC NO T634251 SQ NO FC83081B2 SBUV SACC TO IPD  START 1978 308 000000 TO 1979 294
240000 GEN 1985 189 202049 SBUV EARTH TAPES - VERSION NO. 2.0
                                                CONTINUOUS SCAN VERSION 2.0

***** JOB DONE.
$WEO LPS
```

78-098A-09U
SBUV Continuous Scan
Earth Radiance Tape
D-~~D~~ 70255
C-25327
11/04/78 - 10/21/79
76

DUMP OF TAPE BR1

INPUT TAPE BR1 ON HTO
DATA INPUT H9 NF=16 SR=14=LAST=1

D-70255

FILE	INPUT RECS.	DATA RECORDS INPUT	MAX. SIZE	READ ERROR SUMMARY PERM	ZERO 3	SHORT	UNDEF.	INPUT RETRIES #RECS.	TOTAL#
1	2	2	630	0	0	0	0	0	0

FILE 14 RECORD 354 LENGTH 14976BYTES 294

(0)	1620B500	FD3D07CE	00000004	00000132	00001450	0000111B	000002B5	0ACE0000	0B0A0000	00000230
(40)	00000117	00000000	00000001	000001E2	00000BF1	00000000	00000000	00000000	00000000	00000000
(80)	00000158	000000AA	00EB0105	00E400C7	010D00CF	00E800EB	00E000F6	00D600E6	00EF00D5	00EC00CF
(120)	00E600E3	00B600A5	011400D6	010200C2	00BD0110	00E200EA	00BB0098	00EF00D8	00DA00B4	007C00F8
(160)	00CC00EF	00BE00A5	011400BF	00CA0094	008600E7	00C300E0	00C000A0	011B00F5	00E300CD	00B5011E
(200)	00E800E6	00C20091	010E00CE	00EF00BF	00B70104	00C600AE	00AB007B	00D400AC	00A80095	006700D5
(240)	00AE00C0	009E0079	00E500B2	00E20081	006400CE	00B700BE	00AF0083	00E500B3	00C20092	007500D5
(280)	008300A1	00790065	00C60089	009B0095	00A5009F	00930090	00870088	005F0066	006D0045	0071004F
(320)	00420048	002F0026	00560041	004F0035	00310041	00300028	00150019	003E0020	001E0015	00110014
(360)	000D0013	0011000A	001A000F	000F0009	000D000C	0008000B	000A000E	0010000F	000A000A	00070007
(400)	0006000A	000C0006	00090012	000B000D	00080007	00070003	00070002	00050006	00060005	00040004
(440)	00030005	00040004	00060002	00030004	00030009	00030007	00040005	00080003	00030003	00020005
(480)	00050003	00020002	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(520)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(560)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(600)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(640)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(680)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(720)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(760)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(800)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(840)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(880)	00000000	00000000	00780000	00000000	00000000	00008000	00280000	007C0000	00000000	00000239
(920)	00000130	00000000	00000000	000001B3	00000BF2	00000000	00000001	00000000	00000001	00000000
(960)	00000117	000000B6	00060004	00050007	000A0001	00000005	00050002	00040005	00030002	00020001
(1000)	00040004	00030002	00000002	00020001	00000002	00000003	00010003	00020004	00070003	00000002
(1040)	00040002	00040006	00040001	00050001	00000001	00020002	00010001	00010000	00010000	00000002
(1080)	00010000	00000001	00020002	00010000	00000000	00000000	00000000	00000000	00000000	00000000
(1120)	00000000	00000000	00010000	00010001	00010000	00010000	00010001	00010001	00010001	00000001
(1160)	00000001	00010000	00000001	00020000	00000001	00010000	00010000	00010000	00010000	00000000
(1200)	00000000	00000000	00000000	00000000	00000000	00020000	00000000	00000000	00010000	00020003
(1240)	00000002	00000000	00010000	00000002	00010000	00000002	00000000	00020001	00000001	00010001
(1280)	00020002	00010000	00000001	00030001	00020002	00010001	00000001	00000001	00000001	00010000
(1320)	00020001	00000000	00000000	00000000	00000004	00000000	00000002	00040000	00020001	00020003
(1360)	00030001	00050002	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1400)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1440)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1480)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1520)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1560)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1600)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1640)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1680)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1720)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(1760)	00000000	00000000	01280000	00000000	00000000	00008000	00540000	012C0000	00000000	00000260
(1800)	00000155	00000000	00000000	00000156	00000C10	00000000	00000000	00000000	00000000	00000000
(1840)	00000103	0000007A	0010000B	00130011	0015000C	0010000C	00000008	000E000F	0008000D	000B000B
(1880)	000B0007	0007000A	000D0006	0005000A	000A0010	00090C0A	00090004	00070003	00050001	00030002
(1920)	00030002	00050006	0006000E	000C0015	00130010	000F0011	00100000	000F0010	000F0012	000F000E
(1960)	000E000C	000E000C	00120013	00130012	000F0011	00080009	000C0008	00080005	00040003	00030007
(2000)	00020002	00050008	0003000A	00070003	000A0008	00080005	00020005	00040000	00050003	00030004
(2040)	0007000A	000B0008	000C0007	0008000D	000B0008	00050007	000E000F	000A0007	00080006	00070006
(2080)	00050003	00010002	00020002	00010001	00030001	00020003	00010000	00040000	00020001	00000000
(2120)	00000000	00010000	00020001	00020000	00010001	00020000	00010001	00010000	00020003	00010002