

CON

C+\*\*\*\*\*

C

PROGRAM READUNMIU

C

ACRONYM: READ UNMERGE ION UNCERTAINTY TABLES.

C

\*\*\*\* \* \* \*

C

PURPOSE: To read un-merge LSF ion mode ion uncertainty tables.

C

OVERVIEW:

C

PARAMETERS:NONE

C

NAME	DIM	TYPE	I/O	DESCRIPTION
----	---	----	---	-----

C

C

NOTES:

C

CALLING MODULE: NONE

C

SUBROUTINES CALLED: NONE

C

COMMONS USED: NONE

C

NAME	DESCRIPTION
----	-----

C

C

FILE USAGE:

C

FILE	LUN	DESCRIPTION
----	---	-----

C

IUN1.LSF JF Input LSF tables file.

C

IUN2.LSF KF Output un-merged ion uncertainties file.

C

FOR069.DAT 69 Error log file.

C

ENVIRONMENT: VAX/VMS

C

AUTHOR: Joe Goosby

C

DATE: 6/93

C

C

C-\*\*\*\*\*

COFF

C

REAL*4	NO
INTEGER*4	TPER

C

DIMENSION ALTI (300), CSQ (300), EPM (17, 300), NDSI (300), SCO2 (300),  
 \* SH (300), SHE (300), SNO (300), SO (300), SO2 (300), SPHII (300),  
 \* STI (300), STOTI (300), SVELI (300), SZAI (300), TIMI (300)

C

JF=9  
KF=10

C

C

C

C

C... Open output file.

C

OPEN (UNIT=KF, NAME=NAM, STATUS='NEW', FORM='UNFORMATTED')

```

C      OPEN (UNIT=KF, NAME=' IUNOU ', STATUS='NEW', FORM='UNFORMATTED')
      OPEN (UNIT=JF, NAME=' ION1.LSF', STATUS='OLD', ACCESS='DIRECT',
*        FORM='UNFORMATTED', RECL=37)
C      OPEN (UNIT=KF, NAME=' ION2.LSF', STATUS='NEW', ACCESS='DIRECT',
C      *        FORM='UNFORMATTED', RECL=37)
C
      I=1
      IOS=0
      I9=0
      DO WHILE (IOS.EQ.0)
        I9=I9+1
        READ (JF, REC=I9, IOSTAT=IOS) IORBT, TPER, KDAY, NDSI (I),
*        TIMI (I), ALTI (I), SZAI (I), STOTI (I), SH (I), SHE (I), SO (I),
*        SNO (I), SO2 (I), SCO2 (I), SVELI (I), STI (I), SPHII (I), CSQ (I),
*        ZERO, ZERO, (EPM(K, I), K=1, 17)
C        IF (IOS.NE.0) GOTO 10
C        WRITE (KF, REC=I9, IOSTAT=IOW) IORBT, TPER, KDAY, NDSI (I),
C        *        TIMI (I), ALTI (I), SZAI (I), STOTI (I), SH (I), SHE (I), SO (I),
C        *        SNO (I), SO2 (I), SCO2 (I), SVELI (I), STI (I), SPHII (I), CSQ (I),
C        *        ZERO, ZERO, (EPM(K, I), K=1, 17)
C        WRITE (6, ' (I15, 1X, I5) ') I9, IORBT
C        WRITE (6, 3000) I9, IORBT, TIMI (I), ALTI (I), SZAI (I)
C      END IF
      END DO
C
10    CONTINUE
      CLOSE (UNIT=JF)
      CLOSE (UNIT=KF)
      IF (IOS.EQ.-1) WRITE (6, 4000) IORBIT
      IF (IOS.GT.0) WRITE (6, 5000) IORBIT
C
1000  FORMAT (1X, ' UNMI: ORBIT ', I4, ' EOF')
2000  FORMAT (1X, ' UNMI: ORBIT ', I4, 1X, 'ION READ ERROR')
3000  FORMAT (1X, I10, 1X, I4, 1X, F12.3, 1X, F13.1, 1X, F7.3)
4000  FORMAT (1X, ' UNMIU: ORBIT ', I4, ' EOF')
5000  FORMAT (1X, ' UNMIU: ORBIT ', I4, 1X, 'ION UNCERTAINTY READ ERROR')
C
      END

```