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PROGRAM READUNMP

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ACRONYM: READ UNMERGED PHOTOELECTRON TABLES.

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PURPOSE: To read un-merged LSF photoelectron tables & create a list on disk.

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OVERVIEW:

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PARAMETERS: NONE

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NAME	DIM	TYPE	I/O	DESCRIPTION
WDB	-	L*1	I	Write output file indicator.
WDR	-	L*1	I	Write output file format indicator. 0 - unformatted format. 1 - unformatted direct access file format.

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NOTES:

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CALLING MODULE: UNMERL

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SUBROUTINES CALLED: NONE

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COMMONS USED:

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NAME	DESCRIPTION
/FHEAD/	Contains all LSF tables file header record data.

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FILE USAGE:

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FILE	LUN	DESCRIPTION
'PHEOU'	JF	Output list of input photoelectron file. Logical defined on command line or or in a command file; could be changed to a variable or hard coded file name.
PHE####.LSF	KF	Input un-merged photoelectron file. where #### = orbit #.
FOR069.DAT	69	Error log file. Logical name defined outside program.

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ENVIRONMENT: VAX/VMS

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AUTHOR: Joe Goosby

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DATE: 6/93

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LOGICAL*1 WDB,WDR

CHARACTER*8 TLSF

CHARACTER*9 DLSF

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CHARACTER*11 NAM
INTEGER*4     TPER
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DIMENSION ALTPH(300),BCKPH(300),CPH(300),CSQPH(300),DENPH(5,300),
*          EPM(17,300),FRSPH(300),NSPH(300),SCPH(300),
*          SDENPH(5,300),STEMPH(5,300),SZAT(300),TIMPH(300),
*          TEMPH(5,300),VPPH(300)
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COMMON /FHEAD/  IORBIT,TLRF,DLSF,TPER,KDAY,IFAGE
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WDB=.TRUE.
WDR=.TRUE.
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C... Open output file.
C   OPEN(UNIT=KF,NAME=NAM,STATUS='NEW',FORM='UNFORMATTED')
C   IF (WDB.AND..NOT.WDR) THEN
C     OPEN(UNIT=KF,NAME='PHEOU',STATUS='NEW',FORM='UNFORMATTED')
C   ELSE IF (WDB.AND.WDR) THEN
C     OPEN(UNIT=KF,NAME='PHEOU',STATUS='UNKNOWN',ACCESS='DIRECT',
C   *     FORM='UNFORMATTED',RECL=42)
C     OPEN(UNIT=KF,NAME=NAM,STATUS='UNKNOWN',ACCESS='DIRECT',
C   *     FORM='UNFORMATTED',RECL=42)
C     OPEN(UNIT=KF,NAME='P1.LSF',STATUS='UNKNOWN',ACCESS='DIRECT',
C   *     FORM='UNFORMATTED',RECL=42)
C     OPEN(UNIT=KF,NAME='PHE2.LSF',STATUS='UNKNOWN',ACCESS='DIRECT',
C   *     FORM='UNFORMATTED',RECL=42)
C     IUS=0
C     I9=0
C     I=1
C     DO WHILE(IUS.EQ.0)
C       I9=I9+1
C       READ(KF,REC=I9,IOSTAT=IUS) IORBT,TPER,KDAY,NSPH(I),
C   *       TIMPH(I),ALTPH(I),SZAT(I),VPPH(I),CPH(I),
C   *       (DENPH(J,I),STEMPH(J,I),J=1,3),SCPH(I),
C   *       (SDENPH(J,I),STEMPH(J,I),J=1,3),CSQPH(I),FRSPH(I),
C   *       BCKPH(I),(EPM(K,I),K=1,17)
C     IF (IORBT.EQ.1999) THEN
C     WRITE(6,'(I15,1X,I5)') I9,IORBT
C     WRITE(69,3000) I9,IORBT,TIMPH(I),ALTPH(I),SZAT(I)
C     END IF
C     END DO
C     END IF
C     CLOSE (UNIT=KF)
1000 FORMAT(1X,' UNMP: ORBIT ',I4,' EOF')
2000 FORMAT(1X,' UNMP: ORBIT ',I4,1X,'PHOTOELECTRON READ ERROR')
3000 FORMAT(1X,I10,1X,I4,1X,F12.3,1X,F13.1,1X,F7.3)
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END

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