

ADAS Subroutine e1titl

```
      SUBROUTINE E1TITL( IBSEL , DSNAME ,  
&                      ESYM   , IZ    ,  
&                      CWAVEL , CINDM ,  
&                      TITLX  
&                      )
```

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C-----  
C  
C ***** FORTRAN77 SUBROUTINE: E1TITL *****  
C  
C PURPOSE:  TO CREATE THE DESCRIPTIVE TITLE FOR SELECTED DATA-BLOCK.  
C  
C CALLING PROGRAM: ADAS501/SSXB  
C  
C SUBROUTINE:  
C  
C INPUT : (I*4)  IBSEL      = SELECTED DATA-BLOCK: INDEX  
C INPUT : (C*(*)) DSNAME    = FULL INPUT DATA SET NAME  
C  
C INPUT : (C*2)  ESYM      = INPUT DATA SET: EMITTING ION ELEMENT SYMBOL  
C INPUT : (I*4)  IZ        = INPUT DATA SET: EMITTING ION CHARGE-STATE  
C  
C INPUT : (C*10) CWAVEL    = SELECTED DATA-BLOCK: WAVELENGTH (ANGS.)  
C INPUT : (C*2)  CINDM     = SELECTED DATA-BLOCK: METASTABLE INDEX  
C  
C OUTPUT: (C*120) TITLX   = SELECTED DATA-BLOCK: DESCRIPTIVE TITLE  
C  
C          (C*2)  C2       = GENERAL USE 2 BYTE CHARACTER STRING  
C (I*4)  POS_NOW = CURRENT POSITION IN TITLE STRING  
C (I*4)  LEN_NAME = LENGTH OF FILENAME  
C (I*4)  IFIRST  = POSITION OF FIRST CHARACTER IN FILENAME  
C (I*4)  ILAST   = POSITION OF LAST CHARACTER IN FILENAME  
C  
C ROUTINES:  
C   XXFCHR = FINDS THE FIRST & LAST OCCURRENCE OF ONE STRING IN  
C ANOTHER.  
C  
C AUTHOR:  PAUL E. BRIDEN (TESSELLA SUPPORT SERVICES PLC)  
C          K1/0/37  
C          JET EXT. 2620  
C  
C  
C UNIX-IDL PORT:  
C  
C VERSION: 1.1                      DATE: 02-03-95  
C MODIFIED: L. JALOTA (TESSELLA SUPPORT SERVICES PLC)  
C           - MODIFY FOR RUNNING UNDER UNIX ENVIRONMENT WITH IDL  
C  
C VERSION: 1.2                      DATE: 02-03-95  
C MODIFIED: L. JALOTA (TESSELLA SUPPORT SERVICES PLC)  
C           -  
C  
C VERSION: 1.3                      DATE: 03-03-95
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C MODIFIED: L. JALOTA (TESSELLA SUPPORT SERVICES PLC)
C      -
C
C VERSION: 1.4                      DATE: 06-03-95
C MODIFIED: L. JALOTA (TESSELLA SUPPORT SERVICES PLC)
C      -
C
C VERSION: 1.5                      DATE: 13-03-95
C MODIFIED: L. JALOTA (TESSELLA SUPPORT SERVICES PLC)
C      -
C
C VERSION: 1.6                      DATE: 13-03-95
C MODIFIED: L. JALOTA (TESSELLA SUPPORT SERVICES PLC)
C      -
C
C VERSION: 1.7                      DATE: 25-05-95
C MODIFIED: TIM HAMMOND (TESSELLA SUPPORT SERVICES PLC)
C      - COMMENTED OUT LINE DEFINING XXSLEN AND XXFCHR
C      AS INTEGERS.
C
C VERSION: 1.8                      DATE: 06-02-96
C MODIFIED: TIM HAMMOND (TESSELLA SUPPORT SERVICES PLC)
C      - TIDIED UP COMMENTS AND REMOVED SUPERFLUOUS VARIABLES
C
C-----
C-----

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CHARACTER*2      CINDM
CHARACTER*10     CWAVEL
CHARACTER*(*)    DSNAME
CHARACTER*2      ESYM
CHARACTER*120    TITLX
INTEGER          IBSEL,      IZ

```