

## ADAS Subroutine d4open

SUBROUTINE D4OPEN( IUNIT, DSFULL , LEXIST )

```
C-----
C
C ***** FORTRAN77 SUBROUTINE: D4OPEN *****
C
C PURPOSE: TO INQUIRE & OPEN INPUT DATA FILE & ALLOCATE TO UNIT 'IUNIT'
C           (READ ONLY) - IF IT DOES NOT EXISTS A MESSAGE IS SENT TO
C           THE SCREEN AND LEXIST IS RETURNED AS FALSE.
C
C           *** THIS VERSION SUPPRESSES ERROR MESSAGE ON NON-EXISTING
C           FILES. IT IS OTHERWISE IDENTICAL TO XXOPEN.
C
C CALLING PROGRAM:  ADAS404
C
C SUBROUTINE:
C
C INPUT  :   (I*4)  IUNIT   = UNIT TO WHICH INPUT FILE IS ALLOCATED
C INPUT  :   (C*(*) )DSFULL = FULL INPUT DATA SET NAME (INCL. USERID)
C                               IN FORM FOR DYNAMIC ALLOCATION.
C OUTPUT :   (L*4)  LEXIST  = .TRUE.  => DATA SETS EXISTS AND IS OPEN
C                               = .FALSE. => DATA SET DOES NOT EXIST
C
C           (I*4)  I4UNIT  = FUNCTION (SEE ROUTINE SECTION BELOW)
C           (C*1)  BSLASH  = '/' - MUST BE FIRST 'DSFULL' CHARACTER
C NOTE:
C
C ROUTINES:
C           ROUTINE      SOURCE      BRIEF DESCRIPTION
C           -----
C           I4UNIT      ADAS        FETCH UNIT NUMBER FOR OUTPUT OF MESSAGES
C           XXTERM      ADAS        TERMINATES ADAS PROGRAM WITH MESSAGE
C
C AUTHOR:  LORNE HORTON (JET)
C          - BASED ON XXOPEN.
C
C DATE:    20-10-97
C-----
C VERSION: 1.1 DATE:27-02-98
C MODIFIED: RICHARD MARTIN
C - PUT UNDER SCCS CONTROL.
C
C VERSION: 1.2 DATE:17-05-07
C MODIFIED: Allan Whiteford
C - Updated comments as part of subroutine documentation
C           procedure.
C-----
C           CHARACTER*(*)      DSFULL
C           INTEGER             IUNIT
C           LOGICAL             LEXIST
```