

ADAS Subroutine d2tdin

```
      SUBROUTINE D2TDIN( DSFULL
&                , ITDIMD , ITMAXD , IDMAXD
&                , TEMP   , DENS   , LRESO
&                )
C
C-----
C
C PURPOSE : TO EXTRACT TEMPERATURE AND DENSITY FROM ADF11 FILE FOR
C           DISPLAY ON ADAS402 PROCESSING SCREEN
C
C INPUT  : (C*80) DSFULL      = INPUT DATASET NAME
C           (I*4)  ITDIMD     = MAXIMUM NUMBER OF DATA TEMP & DENS
C           (L*4)  LRESO      = .TRUE. => RESOLVED DATASET
C                               .FALSE.=> UNRESOLVED DATASET
C
C OUTPUT : (I*4)  ITMAXD     = NUMBER OF DATA TEMPS
C           (I*4)  IDMAXD     = NUMBER OF DATA DENS
C           (R*8)  TEMP ()    = DATA ELECTRON TEMPERATURES (EV)
C           (R*8)  DENS ()    = DATA ELECTRON DENSITIES (CM-3)
C
C PROGRAM:
C
C-----
C
C UNIX-IDL PORT:
C
C VERSION: 1.1 DATE: 29-10-96
C MODIFIED: WILLIAM OSBORN (TESSELLA SUPPORT SERVICES PLC)
C - FIRST WRITTEN
C
C-----
C-----
C
      LOGICAL LRESO
C
      CHARACTER*80      DSFULL
      INTEGER           IDMAXD,      ITDIMD,      ITMAXD
      LOGICAL           LRESO
      REAL*8            DENS (ITDIMD) ,      TEMP (ITDIMD)
```