

ADAS Subroutine c5pixv

```
subroutine c5pixv( ndpix , npix , wvmin , wvmax ,
&                cpixmx ,
&                tev   , amssno , wvl   , pec   ,
&                cpixa , ind1   , ind2
&                )
```

```
C-----
C
C ***** fortran77 subroutine: c5pixv *****
C
C Purpose:  Distribute Doppler broadened line emission into pixel range
C
C Calling program:  adas305, stark
C
C Subroutine:
C
C input : (i*4)  ndpix  = maximum number of pixels
C
C input : (i*4)  npix   = number of pixels assigned to wavelength interval
C input : (r*8)  wvmin  = lower limit of wavelength interval (ang)
C input : (r*8)  wvmax  = upper limit of wavelength interval (ang)
C
C input : (r*8)  cpixmx = largest pixel count currently found
C                    for the wavelength range
C
C input : (r*8)  tev    = electron temperature (eV)
C input : (r*8)  amssno = atomic mass number
C input : (r*8)  wvl    = input line wavelength for test(ang)
C input : (r*8)  pec    = emissivity coefficient for component
C
C output: (r*8)  cpixa() = counts in each pixel for the line
C output: (r*8)  ind1    = first pixel with non-negligible count
C output: (r*8)  ind2    = last pixel with non-negligible count
C
C          (r*8)  fcrit   = pixel counts for the selected line below
C                    this fraction of the largest pixel count are
C                    discounted.
C
C Routines:
C          Routine      Source      Brief Description
C          -----
C          r8erfc       ADAS        returns erfc(x) function value
C
C Author:  Martin O'Mullane
C Date:    18-02-2005
C
C Notes:   Based on hapixv.for in adas810.
C
C
C VERSION  : 1.1
```

C DATE : 18-02-2005
C MODIFIED : Martin O'Mullane
C - First version.
C
C VERSION : 1.2
C DATE : 04-07-2007
C MODIFIED : Hugh Summers
C - Corrected error in ind1 & ind2 return (see xxpixv).
C
C-----

INTEGER	IND1,	IND2,	NDPIX,	NPIX
REAL*8	AMSSNO,	CPIXA(NDPIX),		CPIXMX
REAL*8	PEC,	TEV,	WVL,	WVMAX
REAL*8	WVMIN			