

Wave

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1 Data Type Index

1.1 Data Types List

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2 File Index

2.1 File List

Here is a list of all files with brief descriptions:

[tempassembled.f90](#)

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3 Data Type Documentation

3.1 nwtc_aero::aerodata Type Reference

Public Attributes

- real(reki) [alfastal](#)
- real(reki) [aod](#)
- real(reki) [aol](#)
- real(reki) [cd0](#)
- real(reki) [cna](#)
- real(reki) [cns](#)
- real(reki) [cnsi](#)
- real(reki) [cl](#)
- real(reki) [cd](#)
- real(reki) [cm](#)
- real(reki) [cpmin](#)
- real(reki) [ftb](#)
- real(reki) [ftbc](#)

3.1.1 Detailed Description

Definition at line 5977 of file tempassembled.f90.

3.1.2 Member Data Documentation

3.1.2.1 real(reki) nwtc_aero::aerodata::alfastal

Definition at line 5978 of file tempassembled.f90.

3.1.2.2 real(reki) nwtc_aero::aerodata::aod

Definition at line 5979 of file tempassembled.f90.

3.1.2.3 real(reki) nwtc_aero::aerodata::aol

Definition at line 5980 of file tempassembled.f90.

3.1.2.4 real(reki) nwtc_aero::aerodata::cd

Definition at line 5986 of file tempassembled.f90.

3.1.2.5 real(reki) nwtc_aero::aerodata::cd0

Definition at line 5981 of file tempassembled.f90.

3.1.2.6 real(reki) nwtc_aero::aerodata::cl

Definition at line 5985 of file tempassembled.f90.

3.1.2.7 real(reki) nwtc_aero::aerodata::cm

Definition at line 5987 of file tempassembled.f90.

3.1.2.8 real(reki) nwtc_aero::aerodata::cna

Definition at line 5982 of file tempassembled.f90.

3.1.2.9 real(reki) nwtc_aero::aerodata::cns

Definition at line 5983 of file tempassembled.f90.

3.1.2.10 real(reki) nwtc_aero::aerodata::cnsl

Definition at line 5984 of file tempassembled.f90.

3.1.2.11 real(reki) nwtc_aero::aerodata::cpmin

Definition at line 5988 of file tempassembled.f90.

3.1.2.12 real(reki) nwtc_aero::aerodata::ftb

Definition at line 5989 of file tempassembled.f90.

3.1.2.13 real(reki) nwtc_aero::aerodata::ftbc

Definition at line 5990 of file tempassembled.f90.

The documentation for this type was generated from the following file:

- [tempassembled.f90](#)

3.2 nwtc_aero::aerortable Type Reference

Public Attributes

- real(reki) [alfastal](#)
- real(reki) [aod](#)
- real(reki) [aol](#)
- real(reki) [cd0](#)
- real(reki) [cna](#)
- real(reki) [cns](#)
- real(reki) [cnsl](#)
- real(reki) [re](#)
- real(reki) [ctrl](#)
- integer [ind](#) = 0
- integer [numalf](#)

- `real(reki), dimension(:), allocatable alpha`
- `real(reki), dimension(:), allocatable cl`
- `real(reki), dimension(:), allocatable cd`
- `real(reki), dimension(:), allocatable cm`
- `real(reki), dimension(:), allocatable cpm`
- `real(reki), dimension(:), allocatable ftb`
- `real(reki), dimension(:), allocatable ftbc`

3.2.1 Detailed Description

Definition at line 5993 of file tempassembled.f90.

3.2.2 Member Data Documentation

3.2.2.1 `real(reki) nwtc_aero::aerortable::alfastal`

Definition at line 5994 of file tempassembled.f90.

3.2.2.2 `real(reki), dimension (:), allocatable nwtc_aero::aerortable::alpha`

Definition at line 6005 of file tempassembled.f90.

3.2.2.3 `real(reki) nwtc_aero::aerortable::aod`

Definition at line 5995 of file tempassembled.f90.

3.2.2.4 `real(reki) nwtc_aero::aerortable::aol`

Definition at line 5996 of file tempassembled.f90.

3.2.2.5 `real(reki), dimension (:), allocatable nwtc_aero::aerortable::cd`

Definition at line 6007 of file tempassembled.f90.

3.2.2.6 `real(reki) nwtc_aero::aerortable::cd0`

Definition at line 5997 of file tempassembled.f90.

3.2.2.7 `real(reki), dimension (:), allocatable nwtc_aero::aerortable::cl`

Definition at line 6006 of file tempassembled.f90.

3.2.2.8 `real(reki), dimension (:), allocatable nwtc_aero::aerortable::cm`

Definition at line 6008 of file tempassembled.f90.

3.2.2.9 real(reki) nwtc_aero::aerortable::cna

Definition at line 5998 of file tempassembled.f90.

3.2.2.10 real(reki) nwtc_aero::aerortable::cns

Definition at line 5999 of file tempassembled.f90.

3.2.2.11 real(reki) nwtc_aero::aerortable::cnsl

Definition at line 6000 of file tempassembled.f90.

3.2.2.12 real(reki), dimension (:), allocatable nwtc_aero::aerortable::cpmin

Definition at line 6009 of file tempassembled.f90.

3.2.2.13 real(reki) nwtc_aero::aerortable::ctrl

Definition at line 6002 of file tempassembled.f90.

3.2.2.14 real(reki), dimension (:), allocatable nwtc_aero::aerortable::ftb

Definition at line 6010 of file tempassembled.f90.

3.2.2.15 real(reki), dimension (:), allocatable nwtc_aero::aerortable::ftbc

Definition at line 6011 of file tempassembled.f90.

3.2.2.16 integer nwtc_aero::aerortable::ind = 0

Definition at line 6003 of file tempassembled.f90.

3.2.2.17 integer nwtc_aero::aerortable::numalf

Definition at line 6004 of file tempassembled.f90.

3.2.2.18 real(reki) nwtc_aero::aerortable::re

Definition at line 6001 of file tempassembled.f90.

The documentation for this type was generated from the following file:

- [tempassembled.f90](#)

3.3 nwtc_aero::alfindx Type Reference**Public Attributes**

- integer [numbld](#)
- integer [numelm](#)
- integer, dimension(:, :),
allocatable [ind](#)

3.3.1 Detailed Description

Definition at line 6014 of file tempassembled.f90.

3.3.2 Member Data Documentation

3.3.2.1 integer, dimension (:,:), allocatable nwtc_aero::alfindx::ind

Definition at line 6017 of file tempassembled.f90.

3.3.2.2 integer nwtc_aero::alfindx::numbld

Definition at line 6015 of file tempassembled.f90.

3.3.2.3 integer nwtc_aero::alfindx::numelm

Definition at line 6016 of file tempassembled.f90.

The documentation for this type was generated from the following file:

- [tempassembled.f90](#)

3.4 nwtc_io::allocary Interface Reference

Public Member Functions

- subroutine [allcary1](#) (Ary, AryDim, Descr, ErrStat)
- subroutine [allcary2](#) (Ary, AryDim1, AryDim2, Descr, ErrStat)
- subroutine [allcary3](#) (Ary, AryDim1, AryDim2, AryDim3, Descr, ErrStat)
- subroutine [alliary1](#) (Ary, AryDim, Descr, ErrStat)
- subroutine [alliary2](#) (Ary, AryDim1, AryDim2, Descr, ErrStat)
- subroutine [alliary3](#) (Ary, AryDim1, AryDim2, AryDim3, Descr, ErrStat)
- subroutine [alllary1](#) (Ary, AryDim, Descr, ErrStat)
- subroutine [alllary2](#) (Ary, AryDim1, AryDim2, Descr, ErrStat)
- subroutine [alllary3](#) (Ary, AryDim1, AryDim2, AryDim3, Descr, ErrStat)
- subroutine [allrary1](#) (Ary, AryDim, Descr, ErrStat)
- subroutine [allrary2](#) (Ary, AryDim1, AryDim2, Descr, ErrStat)
- subroutine [allrary3](#) (Ary, AryDim1, AryDim2, AryDim3, Descr, ErrStat)
- subroutine [allrary4](#) (Ary, AryDim1, AryDim2, AryDim3, AryDim4, Descr, ErrStat)
- subroutine [allcary1](#) (Ary, AryDim, Descr, ErrStat)
- subroutine [allcary2](#) (Ary, AryDim1, AryDim2, Descr, ErrStat)
- subroutine [allcary3](#) (Ary, AryDim1, AryDim2, AryDim3, Descr, ErrStat)
- subroutine [alliary1](#) (Ary, AryDim, Descr, ErrStat)
- subroutine [alliary2](#) (Ary, AryDim1, AryDim2, Descr, ErrStat)
- subroutine [alliary3](#) (Ary, AryDim1, AryDim2, AryDim3, Descr, ErrStat)
- subroutine [alllary1](#) (Ary, AryDim, Descr, ErrStat)
- subroutine [alllary2](#) (Ary, AryDim1, AryDim2, Descr, ErrStat)
- subroutine [alllary3](#) (Ary, AryDim1, AryDim2, AryDim3, Descr, ErrStat)
- subroutine [allrary1](#) (Ary, AryDim, Descr, ErrStat)
- subroutine [allrary2](#) (Ary, AryDim1, AryDim2, Descr, ErrStat)
- subroutine [allrary3](#) (Ary, AryDim1, AryDim2, AryDim3, Descr, ErrStat)
- subroutine [allrary4](#) (Ary, AryDim1, AryDim2, AryDim3, AryDim4, Descr, ErrStat)
- subroutine [allcary1](#) (Ary, AryDim, Descr, ErrStat)
- subroutine [allcary2](#) (Ary, AryDim1, AryDim2, Descr, ErrStat)
- subroutine [allcary3](#) (Ary, AryDim1, AryDim2, AryDim3, Descr, ErrStat)
- subroutine [alliary1](#) (Ary, AryDim, Descr, ErrStat)

- subroutine [allary2](#) (Ary, AryDim1, AryDim2, Descr, ErrStat)
- subroutine [allary3](#) (Ary, AryDim1, AryDim2, AryDim3, Descr, ErrStat)
- subroutine [allary1](#) (Ary, AryDim, Descr, ErrStat)
- subroutine [allary2](#) (Ary, AryDim1, AryDim2, Descr, ErrStat)
- subroutine [allary3](#) (Ary, AryDim1, AryDim2, AryDim3, Descr, ErrStat)
- subroutine [allary1](#) (Ary, AryDim, Descr, ErrStat)
- subroutine [allary2](#) (Ary, AryDim1, AryDim2, Descr, ErrStat)
- subroutine [allary3](#) (Ary, AryDim1, AryDim2, AryDim3, Descr, ErrStat)
- subroutine [allary4](#) (Ary, AryDim1, AryDim2, AryDim3, AryDim4, Descr, ErrStat)
- subroutine [allcary1](#) (Ary, AryDim, Descr, ErrStat)
- subroutine [allcary2](#) (Ary, AryDim1, AryDim2, Descr, ErrStat)
- subroutine [allcary3](#) (Ary, AryDim1, AryDim2, AryDim3, Descr, ErrStat)
- subroutine [allary1](#) (Ary, AryDim, Descr, ErrStat)
- subroutine [allary2](#) (Ary, AryDim1, AryDim2, Descr, ErrStat)
- subroutine [allary3](#) (Ary, AryDim1, AryDim2, AryDim3, Descr, ErrStat)
- subroutine [allary1](#) (Ary, AryDim, Descr, ErrStat)
- subroutine [allary2](#) (Ary, AryDim1, AryDim2, Descr, ErrStat)
- subroutine [allary3](#) (Ary, AryDim1, AryDim2, AryDim3, Descr, ErrStat)
- subroutine [allary1](#) (Ary, AryDim, Descr, ErrStat)
- subroutine [allary2](#) (Ary, AryDim1, AryDim2, Descr, ErrStat)
- subroutine [allary3](#) (Ary, AryDim1, AryDim2, AryDim3, Descr, ErrStat)
- subroutine [allary4](#) (Ary, AryDim1, AryDim2, AryDim3, AryDim4, Descr, ErrStat)

3.4.1 Detailed Description

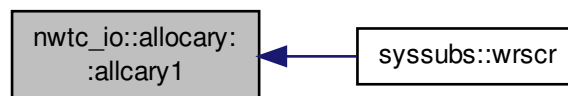
Definition at line 1043 of file tempassembled.f90.

3.4.2 Member Function/Subroutine Documentation

3.4.2.1 subroutine `nwtc_io::allocary::allcary1` (`character(*)`, `dimension (:)`, allocatable `Ary`, integer, intent(in) `AryDim`, `character(*)`, intent(in) `Descr`, integer, intent(out), optional `ErrStat`)

Definition at line 1160 of file tempassembled.f90.

Here is the caller graph for this function:



3.4.2.2 subroutine `nwtc_io::allocary::allcary1` (`character(*)`, `dimension (:)`, allocatable `Ary`, integer, intent(in) `AryDim`, `character(*)`, intent(in) `Descr`, integer, intent(out), optional `ErrStat`)

Definition at line 42770 of file tempassembled.f90.

3.4.2.3 subroutine nwtc_io::allocary::allcary1 (character(*), dimension (:), allocatable *Ary*, integer, intent(in) *AryDim*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 15030 of file tempassembled.f90.

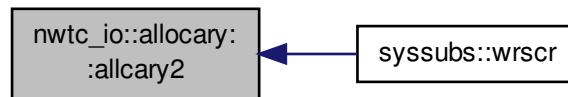
3.4.2.4 subroutine nwtc_io::allocary::allcary1 (character(*), dimension (:), allocatable *Ary*, integer, intent(in) *AryDim*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 28900 of file tempassembled.f90.

3.4.2.5 subroutine nwtc_io::allocary::allcary2 (character(*), dimension (:,:), allocatable *Ary*, integer, intent(in) *AryDim1*, integer, intent(in) *AryDim2*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 1193 of file tempassembled.f90.

Here is the caller graph for this function:



3.4.2.6 subroutine nwtc_io::allocary::allcary2 (character(*), dimension (:,:), allocatable *Ary*, integer, intent(in) *AryDim1*, integer, intent(in) *AryDim2*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 42803 of file tempassembled.f90.

3.4.2.7 subroutine nwtc_io::allocary::allcary2 (character(*), dimension (:,:), allocatable *Ary*, integer, intent(in) *AryDim1*, integer, intent(in) *AryDim2*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 15063 of file tempassembled.f90.

3.4.2.8 subroutine nwtc_io::allocary::allcary2 (character(*), dimension (:,:), allocatable *Ary*, integer, intent(in) *AryDim1*, integer, intent(in) *AryDim2*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 28933 of file tempassembled.f90.

3.4.2.9 subroutine nwtc_io::allocary::allcary3 (character(*), dimension (:,:,:), allocatable *Ary*, integer, intent(in) *AryDim1*, integer, intent(in) *AryDim2*, integer, intent(in) *AryDim3*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 15096 of file tempassembled.f90.

3.4.2.10 subroutine nwtc_io::allocary::allcary3 (character(*), dimension (:,:,:), allocatable *Ary*, integer, intent(in) *AryDim1*, integer, intent(in) *AryDim2*, integer, intent(in) *AryDim3*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 42836 of file tempassembled.f90.

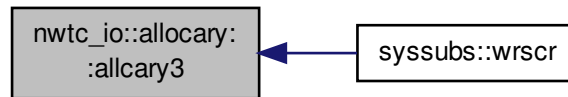
3.4.2.11 subroutine nwtc_io::allocary::allcary3 (character(*), dimension (:,:), allocatable *Ary*, integer, intent(in) *AryDim1*, integer, intent(in) *AryDim2*, integer, intent(in) *AryDim3*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 28966 of file tempassembled.f90.

3.4.2.12 subroutine nwtc_io::allocary::allcary3 (character(*), dimension (:,:), allocatable *Ary*, integer, intent(in) *AryDim1*, integer, intent(in) *AryDim2*, integer, intent(in) *AryDim3*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 1226 of file tempassembled.f90.

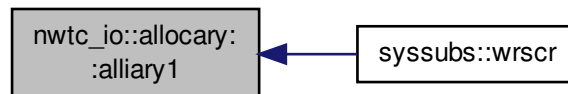
Here is the caller graph for this function:



3.4.2.13 subroutine nwtc_io::allocary::alliary1 (integer, dimension (:), allocatable *Ary*, integer, intent(in) *AryDim*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 1262 of file tempassembled.f90.

Here is the caller graph for this function:



3.4.2.14 subroutine nwtc_io::allocary::alliary1 (integer, dimension (:), allocatable *Ary*, integer, intent(in) *AryDim*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 15132 of file tempassembled.f90.

3.4.2.15 subroutine nwtc_io::allocary::alliary1 (integer, dimension (:), allocatable *Ary*, integer, intent(in) *AryDim*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 42872 of file tempassembled.f90.

3.4.2.16 subroutine nwtc_io::allocary::alliary1 (integer, dimension (:), allocatable *Ary*, integer, intent(in) *AryDim*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 29002 of file tempassembled.f90.

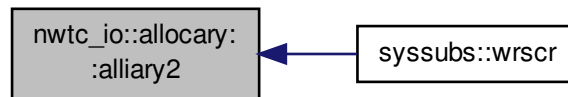
3.4.2.17 subroutine nwtc_io::allocary::alliary2 (integer, dimension (:,:), allocatable *Ary*, integer, intent(in) *AryDim1*, integer, intent(in) *AryDim2*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 15164 of file tempassembled.f90.

3.4.2.18 subroutine nwtc_io::allocary::alliary2 (integer, dimension (:,:), allocatable *Ary*, integer, intent(in) *AryDim1*, integer, intent(in) *AryDim2*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 1294 of file tempassembled.f90.

Here is the caller graph for this function:



3.4.2.19 subroutine nwtc_io::allocary::alliary2 (integer, dimension (:,:), allocatable *Ary*, integer, intent(in) *AryDim1*, integer, intent(in) *AryDim2*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 42904 of file tempassembled.f90.

3.4.2.20 subroutine nwtc_io::allocary::alliary2 (integer, dimension (:,:), allocatable *Ary*, integer, intent(in) *AryDim1*, integer, intent(in) *AryDim2*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 29034 of file tempassembled.f90.

3.4.2.21 subroutine nwtc_io::allocary::alliary3 (integer, dimension (:,:,:), allocatable *Ary*, integer, intent(in) *AryDim1*, integer, intent(in) *AryDim2*, integer, intent(in) *AryDim3*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 29067 of file tempassembled.f90.

3.4.2.22 subroutine nwtc_io::allocary::alliary3 (integer, dimension (:,:,:), allocatable *Ary*, integer, intent(in) *AryDim1*, integer, intent(in) *AryDim2*, integer, intent(in) *AryDim3*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 15197 of file tempassembled.f90.

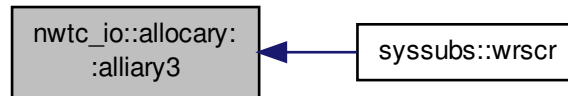
3.4.2.23 subroutine nwtc_io::allocary::alliary3 (integer, dimension (:,:,:), allocatable *Ary*, integer, intent(in) *AryDim1*, integer, intent(in) *AryDim2*, integer, intent(in) *AryDim3*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 42937 of file tempassembled.f90.

3.4.2.24 subroutine nwtc_io::allocary::allary3 (integer, dimension (:,:), allocatable *Ary*, integer, intent(in) *AryDim1*, integer, intent(in) *AryDim2*, integer, intent(in) *AryDim3*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 1327 of file tempassembled.f90.

Here is the caller graph for this function:



3.4.2.25 subroutine nwtc_io::allocary::allary1 (logical, dimension (:), allocatable *Ary*, integer, intent(in) *AryDim*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 29102 of file tempassembled.f90.

3.4.2.26 subroutine nwtc_io::allocary::allary1 (logical, dimension (:), allocatable *Ary*, integer, intent(in) *AryDim*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 15232 of file tempassembled.f90.

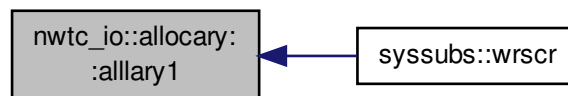
3.4.2.27 subroutine nwtc_io::allocary::allary1 (logical, dimension (:), allocatable *Ary*, integer, intent(in) *AryDim*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 42972 of file tempassembled.f90.

3.4.2.28 subroutine nwtc_io::allocary::allary1 (logical, dimension (:), allocatable *Ary*, integer, intent(in) *AryDim*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 1362 of file tempassembled.f90.

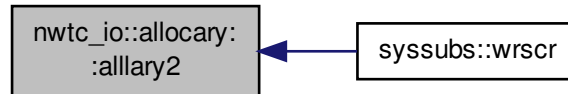
Here is the caller graph for this function:



3.4.2.29 subroutine nwtc_io::allocary::allary2 (logical, dimension (:,:), allocatable *Ary*, integer, intent(in) *AryDim1*, integer, intent(in) *AryDim2*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 1396 of file tempassembled.f90.

Here is the caller graph for this function:



3.4.2.30 subroutine nwtc_io::allocary::allary2 (logical, dimension (:,:), allocatable *Ary*, integer, intent(in) *AryDim1*, integer, intent(in) *AryDim2*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 29136 of file tempassembled.f90.

3.4.2.31 subroutine nwtc_io::allocary::allary2 (logical, dimension (:,:), allocatable *Ary*, integer, intent(in) *AryDim1*, integer, intent(in) *AryDim2*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 15266 of file tempassembled.f90.

3.4.2.32 subroutine nwtc_io::allocary::allary2 (logical, dimension (:,:), allocatable *Ary*, integer, intent(in) *AryDim1*, integer, intent(in) *AryDim2*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 43006 of file tempassembled.f90.

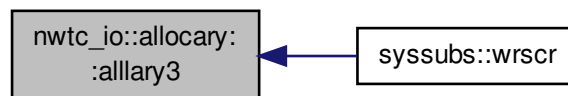
3.4.2.33 subroutine nwtc_io::allocary::allary3 (logical, dimension (:,:,:), allocatable *Ary*, integer, intent(in) *AryDim1*, integer, intent(in) *AryDim2*, integer, intent(in) *AryDim3*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 29171 of file tempassembled.f90.

3.4.2.34 subroutine nwtc_io::allocary::allary3 (logical, dimension (:,:,:), allocatable *Ary*, integer, intent(in) *AryDim1*, integer, intent(in) *AryDim2*, integer, intent(in) *AryDim3*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 1431 of file tempassembled.f90.

Here is the caller graph for this function:



3.4.2.35 subroutine nwtc_io::allocary::allary3 (logical, dimension (:,:), allocatable *Ary*, integer, intent(in) *AryDim1*, integer, intent(in) *AryDim2*, integer, intent(in) *AryDim3*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 15301 of file tempassembled.f90.

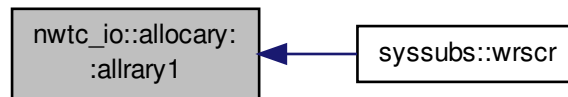
3.4.2.36 subroutine nwtc_io::allocary::allary3 (logical, dimension (:,:), allocatable *Ary*, integer, intent(in) *AryDim1*, integer, intent(in) *AryDim2*, integer, intent(in) *AryDim3*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 43041 of file tempassembled.f90.

3.4.2.37 subroutine nwtc_io::allocary::allary1 (real(reki), dimension (:), allocatable *Ary*, integer, intent(in) *AryDim*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 1467 of file tempassembled.f90.

Here is the caller graph for this function:



3.4.2.38 subroutine nwtc_io::allocary::allary1 (real(reki), dimension (:), allocatable *Ary*, integer, intent(in) *AryDim*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 29207 of file tempassembled.f90.

3.4.2.39 subroutine nwtc_io::allocary::allary1 (real(reki), dimension (:), allocatable *Ary*, integer, intent(in) *AryDim*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 43077 of file tempassembled.f90.

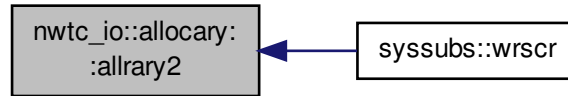
3.4.2.40 subroutine nwtc_io::allocary::allary1 (real(reki), dimension (:), allocatable *Ary*, integer, intent(in) *AryDim*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 15337 of file tempassembled.f90.

3.4.2.41 subroutine nwtc_io::allocary::allary2 (real(reki), dimension (:,:), allocatable *Ary*, integer, intent(in) *AryDim1*, integer, intent(in) *AryDim2*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 1501 of file tempassembled.f90.

Here is the caller graph for this function:



3.4.2.42 subroutine `nwtc_io::allocary::allarray2` (`real(reki)`, `dimension (:,:)`, allocatable `Ary`, integer, intent(in) `AryDim1`, integer, intent(in) `AryDim2`, character(*), intent(in) `Descr`, integer, intent(out), optional `ErrStat`)

Definition at line 43111 of file `tempassembled.f90`.

3.4.2.43 subroutine `nwtc_io::allocary::allarray2` (`real(reki)`, `dimension (:,:)`, allocatable `Ary`, integer, intent(in) `AryDim1`, integer, intent(in) `AryDim2`, character(*), intent(in) `Descr`, integer, intent(out), optional `ErrStat`)

Definition at line 29241 of file `tempassembled.f90`.

3.4.2.44 subroutine `nwtc_io::allocary::allarray2` (`real(reki)`, `dimension (:,:)`, allocatable `Ary`, integer, intent(in) `AryDim1`, integer, intent(in) `AryDim2`, character(*), intent(in) `Descr`, integer, intent(out), optional `ErrStat`)

Definition at line 15371 of file `tempassembled.f90`.

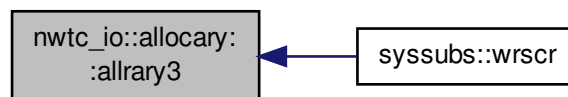
3.4.2.45 subroutine `nwtc_io::allocary::allarray3` (`real(reki)`, `dimension (:,:,)`, allocatable `Ary`, integer, intent(in) `AryDim1`, integer, intent(in) `AryDim2`, integer, intent(in) `AryDim3`, character(*), intent(in) `Descr`, integer, intent(out), optional `ErrStat`)

Definition at line 29276 of file `tempassembled.f90`.

3.4.2.46 subroutine `nwtc_io::allocary::allarray3` (`real(reki)`, `dimension (:,:,)`, allocatable `Ary`, integer, intent(in) `AryDim1`, integer, intent(in) `AryDim2`, integer, intent(in) `AryDim3`, character(*), intent(in) `Descr`, integer, intent(out), optional `ErrStat`)

Definition at line 1536 of file `tempassembled.f90`.

Here is the caller graph for this function:



3.4.2.47 subroutine nwtc_io::allocary::allrary3 (real(reki), dimension (:,:,), allocatable *Ary*, integer, intent(in) *AryDim1*, integer, intent(in) *AryDim2*, integer, intent(in) *AryDim3*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 15406 of file tempassembled.f90.

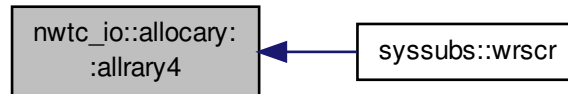
3.4.2.48 subroutine nwtc_io::allocary::allrary3 (real(reki), dimension (:,:,), allocatable *Ary*, integer, intent(in) *AryDim1*, integer, intent(in) *AryDim2*, integer, intent(in) *AryDim3*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 43146 of file tempassembled.f90.

3.4.2.49 subroutine nwtc_io::allocary::allrary4 (real(reki), dimension (:,:,:), allocatable *Ary*, integer, intent(in) *AryDim1*, integer, intent(in) *AryDim2*, integer, intent(in) *AryDim3*, integer, intent(in) *AryDim4*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 1572 of file tempassembled.f90.

Here is the caller graph for this function:



3.4.2.50 subroutine nwtc_io::allocary::allrary4 (real(reki), dimension (:,:,:), allocatable *Ary*, integer, intent(in) *AryDim1*, integer, intent(in) *AryDim2*, integer, intent(in) *AryDim3*, integer, intent(in) *AryDim4*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 29312 of file tempassembled.f90.

3.4.2.51 subroutine nwtc_io::allocary::allrary4 (real(reki), dimension (:,:,:), allocatable *Ary*, integer, intent(in) *AryDim1*, integer, intent(in) *AryDim2*, integer, intent(in) *AryDim3*, integer, intent(in) *AryDim4*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 43182 of file tempassembled.f90.

3.4.2.52 subroutine nwtc_io::allocary::allrary4 (real(reki), dimension (:,:,:), allocatable *Ary*, integer, intent(in) *AryDim1*, integer, intent(in) *AryDim2*, integer, intent(in) *AryDim3*, integer, intent(in) *AryDim4*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 15442 of file tempassembled.f90.

The documentation for this interface was generated from the following file:

- [tempassembled.f90](#)

3.5 ctwind::ct_backgr Type Reference

Public Attributes

- character(1024) [windfile](#)
- integer [windfiletype](#)
- logical [coherentstr](#)

3.5.1 Detailed Description

Definition at line 7291 of file tempassembled.f90.

3.5.2 Member Data Documentation

3.5.2.1 logical ctwind::ct_backgr::coherentstr

Definition at line 7294 of file tempassembled.f90.

3.5.2.2 character(1024) ctwind::ct_backgr::windfile

Definition at line 7292 of file tempassembled.f90.

3.5.2.3 integer ctwind::ct_backgr::windfiletype

Definition at line 7293 of file tempassembled.f90.

The documentation for this type was generated from the following file:

- [tempassembled.f90](#)

3.6 ctwind Module Reference

Data Types

- type [ct_backgr](#)
- type [ctwindfiles](#)

Public Member Functions

- subroutine, public [ct_init](#) (UnWind, WindFile, BackGrndValues, ErrStat)
- subroutine, public [ct_setrefval](#) (Height, HWidth, ErrStat)
- type(inflintrpout) function, public [ct_getwindspeed](#) (Time, InputPosition, ErrStat)
- subroutine, public [ct_terminate](#) (ErrStat)
- subroutine, public [ct_init](#) (UnWind, WindFile, BackGrndValues, ErrStat)
- subroutine, public [ct_setrefval](#) (Height, HWidth, ErrStat)
- type(inflintrpout) function, public [ct_getwindspeed](#) (Time, InputPosition, ErrStat)
- subroutine, public [ct_terminate](#) (ErrStat)
- subroutine, public [ct_init](#) (UnWind, WindFile, BackGrndValues, ErrStat)
- subroutine, public [ct_setrefval](#) (Height, HWidth, ErrStat)
- type(inflintrpout) function, public [ct_getwindspeed](#) (Time, InputPosition, ErrStat)
- subroutine, public [ct_terminate](#) (ErrStat)
- subroutine, public [ct_init](#) (UnWind, WindFile, BackGrndValues, ErrStat)
- subroutine, public [ct_setrefval](#) (Height, HWidth, ErrStat)
- type(inflintrpout) function, public [ct_getwindspeed](#) (Time, InputPosition, ErrStat)
- subroutine, public [ct_terminate](#) (ErrStat)

Private Member Functions

- subroutine [readctdata](#) (UnWind, CTFileNo, ltime, ErrStat)
- subroutine [loadctdata](#) (UnWind, FileName, lTime, lComp, Vel, ErrStat)
- subroutine [readctp](#) (UnWind, FileName, CTPscaling, ErrStat)
- subroutine [readctts](#) (UnWind, FileName, CT_SC_ext, ErrStat)
- subroutine [readctscscales](#) (UnWind, FileName, ErrStat)
- subroutine [readctdata](#) (UnWind, CTFileNo, ltime, ErrStat)
- subroutine [loadctdata](#) (UnWind, FileName, lTime, lComp, Vel, ErrStat)
- subroutine [readctp](#) (UnWind, FileName, CTPscaling, ErrStat)
- subroutine [readctts](#) (UnWind, FileName, CT_SC_ext, ErrStat)
- subroutine [readctscscales](#) (UnWind, FileName, ErrStat)
- subroutine [readctdata](#) (UnWind, CTFileNo, ltime, ErrStat)
- subroutine [loadctdata](#) (UnWind, FileName, lTime, lComp, Vel, ErrStat)
- subroutine [readctp](#) (UnWind, FileName, CTPscaling, ErrStat)
- subroutine [readctts](#) (UnWind, FileName, CT_SC_ext, ErrStat)
- subroutine [readctscscales](#) (UnWind, FileName, ErrStat)
- subroutine [readctdata](#) (UnWind, CTFileNo, ltime, ErrStat)
- subroutine [loadctdata](#) (UnWind, FileName, lTime, lComp, Vel, ErrStat)
- subroutine [readctp](#) (UnWind, FileName, CTPscaling, ErrStat)
- subroutine [readctts](#) (UnWind, FileName, CT_SC_ext, ErrStat)
- subroutine [readctscscales](#) (UnWind, FileName, ErrStat)

Private Attributes

- integer, parameter [numcomps](#) = 3
- real(reki) [delyctgrid](#)
- real(reki) [delzctgrid](#)
- real(reki) [ctdistsc](#)
- real(reki), dimension([numcomps](#)) [ctoffset](#)
- real(reki), dimension([numcomps](#)) [ctscale](#)
- real(reki), dimension(:, :, :),
allocatable [ctvelu](#)
- real(reki), dimension(:, :, :),
allocatable [ctvelv](#)
- real(reki), dimension(:, :, :),
allocatable [ctvelw](#)
- real(reki) [ctly](#)
- real(reki) [ctlz](#)
- real(reki) [ctscalelevel](#)
- real(reki), dimension(:),
allocatable [tdata](#)
- real(reki) [ct_zref](#)
- real(reki) [ctyhwid](#)
- real(reki) [ctymax](#)
- real(reki) [ctyt](#)
- real(reki) [ctzmax](#)
- real(reki) [invmtws](#)
- integer [ct_df_y](#)
- integer [ct_df_z](#)
- integer, dimension(2) [ctvel_files](#)

- integer `indct_hi`
- integer `indct_lo`
- integer `numcct`
- integer `numcty`
- integer `numctyd`
- integer `numctyd1`
- integer `numctz`
- integer `numctzd`
- integer `numctzd1`
- integer, save `timeindx` = 0
- integer, dimension(:), allocatable `timestpct`
- integer `ctwindunit`
- logical `ctvertshft`
- character(3) `ctext`
- character(1024) `ctspath`

3.6.1 Detailed Description

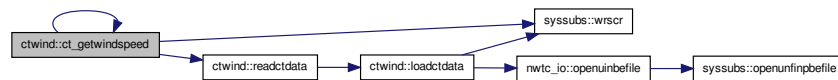
Definition at line 7214 of file `tempassembled.f90`.

3.6.2 Member Function/Subroutine Documentation

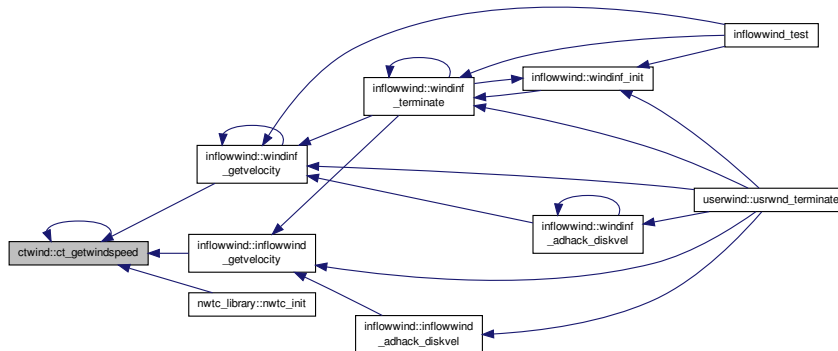
3.6.2.1 `type(inflintrpout) function, public ctwind::ct_getwindspeed (real(reki), intent(in) Time, real(reki), dimension(3), intent(in) InputPosition, integer, intent(out) ErrStat)`

Definition at line 7510 of file `tempassembled.f90`.

Here is the call graph for this function:



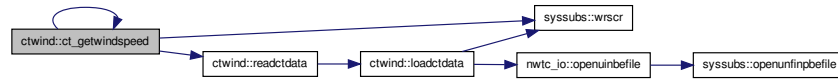
Here is the caller graph for this function:



3.6.2.2 `type(inflintrpout) function, public ctwind::ct_getwindspeed (real(reki), intent(in) Time, real(reki), dimension(3), intent(in) InputPosition, integer, intent(out) ErrStat)`

Definition at line 35250 of file `tempassembled.f90`.

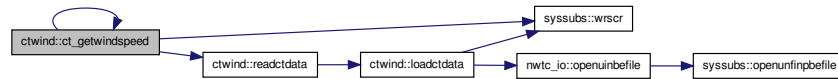
Here is the call graph for this function:



3.6.2.3 `type(inflintrpout) function, public ctwind::ct_getwindspeed (real(reki), intent(in) Time, real(reki), dimension(3), intent(in) InputPosition, integer, intent(out) ErrStat)`

Definition at line 21380 of file `tempassembled.f90`.

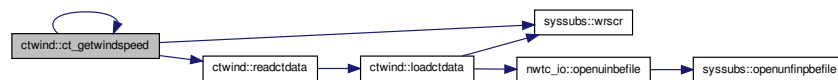
Here is the call graph for this function:



3.6.2.4 `type(inflintrpout) function, public ctwind::ct_getwindspeed (real(reki), intent(in) Time, real(reki), dimension(3), intent(in) InputPosition, integer, intent(out) ErrStat)`

Definition at line 49132 of file `tempassembled.f90`.

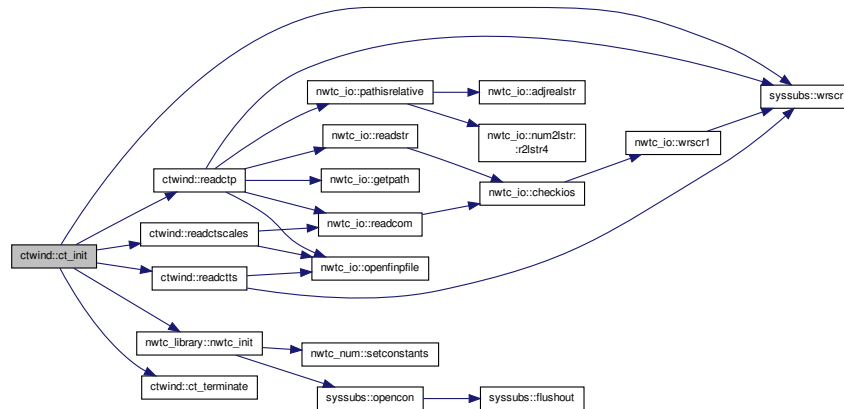
Here is the call graph for this function:



3.6.2.5 `subroutine, public ctwind::ct_init (integer, intent(in) UnWind, character(*), intent(in) WindFile, type(ct_backgr), intent(out) BackGrndValues, integer, intent(out) ErrStat)`

Definition at line 35045 of file `tempassembled.f90`.

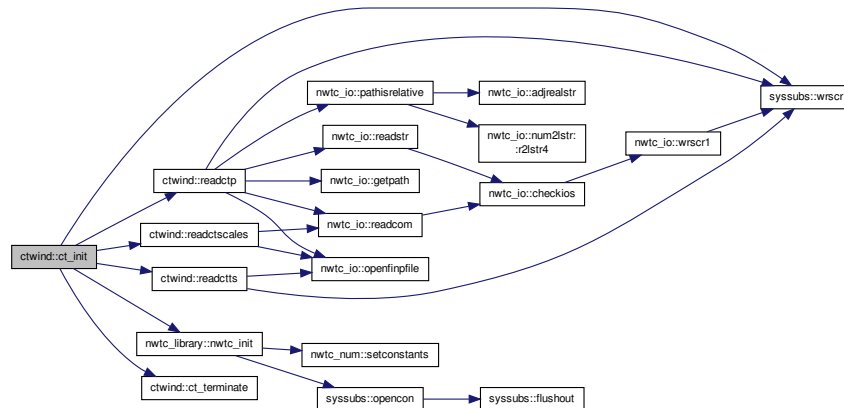
Here is the call graph for this function:



3.6.2.6 subroutine, public `ctwind::ct_init (integer, intent(in) UnWind, character(*), intent(in) WindFile, type(ct_backgr), intent(out) BackGrndValues, integer, intent(out) ErrStat)`

Definition at line 21175 of file `tempassembled.f90`.

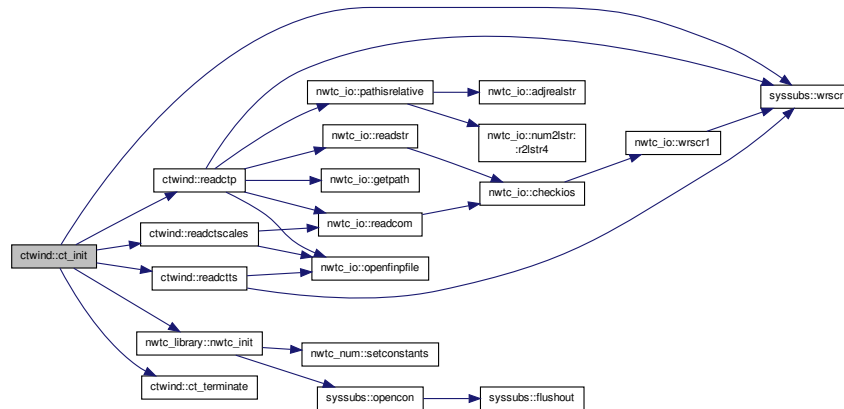
Here is the call graph for this function:



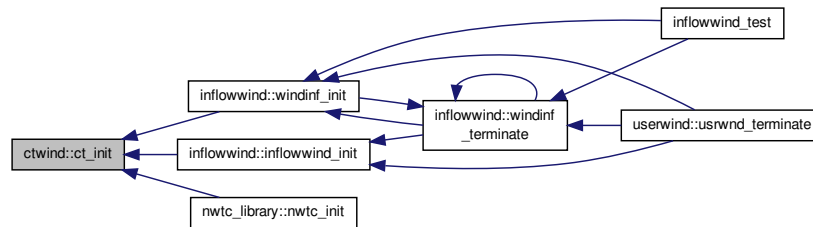
3.6.2.7 subroutine, public `ctwind::ct_init (integer, intent(in) UnWind, character(*), intent(in) WindFile, type(ct_backgr), intent(out) BackGrndValues, integer, intent(out) ErrStat)`

Definition at line 7305 of file `tempassembled.f90`.

Here is the call graph for this function:



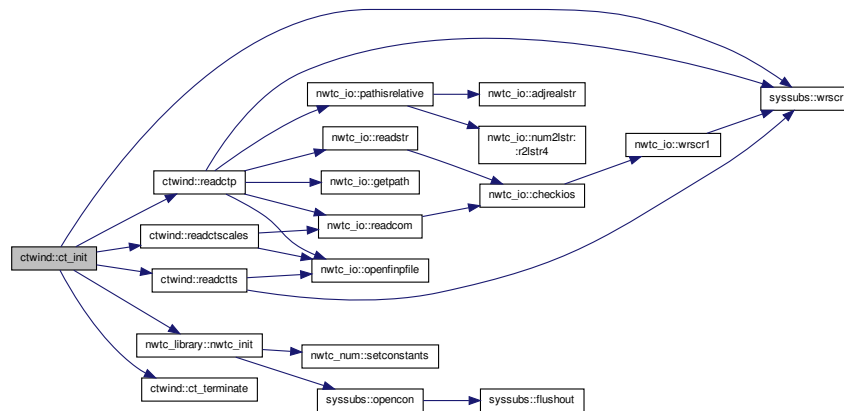
Here is the caller graph for this function:



3.6.2.8 subroutine, public `ctwind::ct_init (integer, intent(in) UnWind, character(*), intent(in) WindFile, type(ct_backgr), intent(out) BackGrndValues, integer, intent(out) ErrStat)`

Definition at line 48927 of file `tempassembled.f90`.

Here is the call graph for this function:



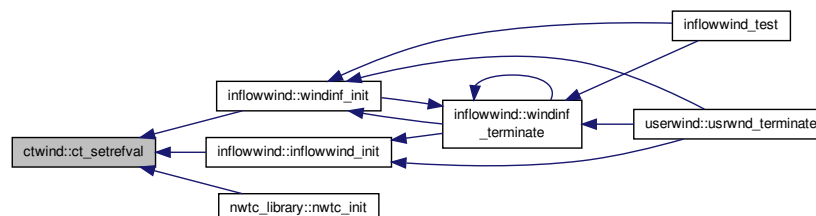
3.6.2.9 subroutine, public ctwind::ct_setrefval (real(reki), intent(in) *Height*, real(reki), intent(in), optional *HWidth*, integer, intent(out) *ErrStat*)

Definition at line 7456 of file tempassembled.f90.

Here is the call graph for this function:



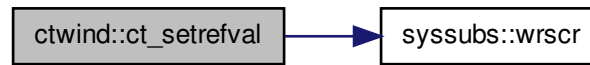
Here is the caller graph for this function:



3.6.2.10 subroutine, public ctwind::ct_setrefval (real(reki), intent(in) *Height*, real(reki), intent(in), optional *HWidth*, integer, intent(out) *ErrStat*)

Definition at line 35196 of file tempassembled.f90.

Here is the call graph for this function:



3.6.2.11 subroutine, public ctwind::ct_setrefval (real(reki), intent(in) *Height*, real(reki), intent(in), optional *HWidth*, integer, intent(out) *ErrStat*)

Definition at line 21326 of file tempassembled.f90.

Here is the call graph for this function:



3.6.2.12 subroutine, public ctwind::ct_setrefval (real(reki), intent(in) *Height*, real(reki), intent(in), optional *HWidth*, integer, intent(out) *ErrStat*)

Definition at line 49078 of file tempassembled.f90.

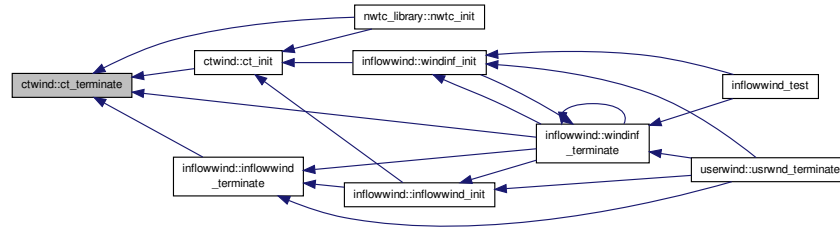
Here is the call graph for this function:



3.6.2.13 subroutine, public ctwind::ct_terminate (integer, intent(out) ErrStat)

Definition at line 8190 of file tempassembled.f90.

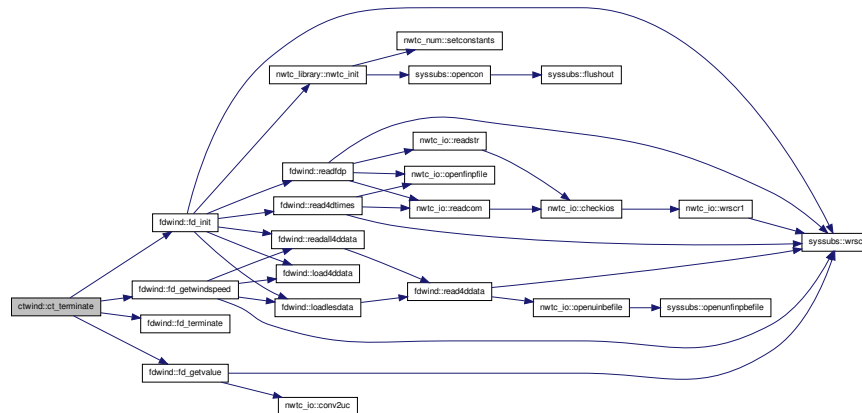
Here is the caller graph for this function:



3.6.2.14 subroutine, public ctwind::ct_terminate (integer, intent(out) ErrStat)

Definition at line 49812 of file tempassembled.f90.

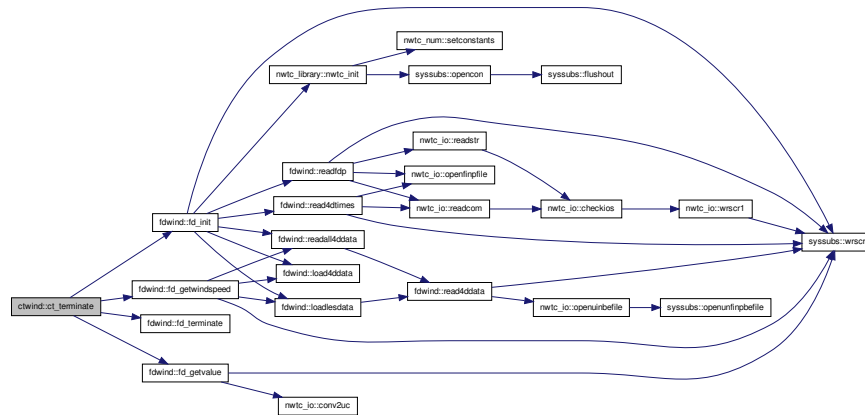
Here is the call graph for this function:



3.6.2.15 subroutine, public ctwind::ct_terminate (integer, intent(out) ErrStat)

Definition at line 22060 of file tempassembled.f90.

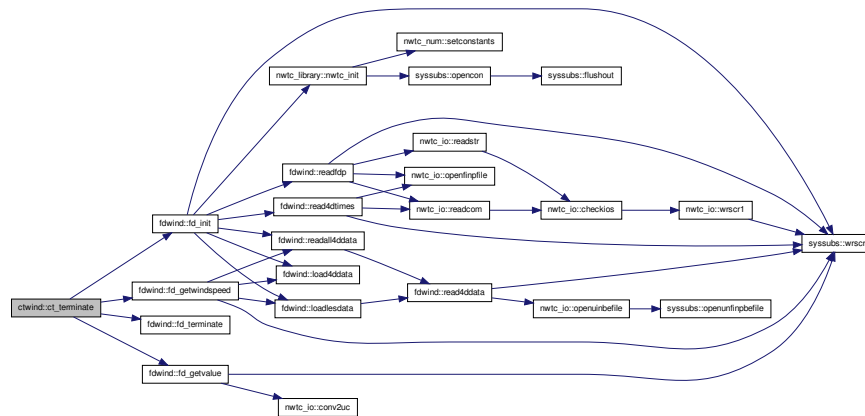
Here is the call graph for this function:



3.6.2.16 subroutine, public ctwind::ct_terminate (integer, intent(out) ErrStat)

Definition at line 35930 of file tempassembled.f90.

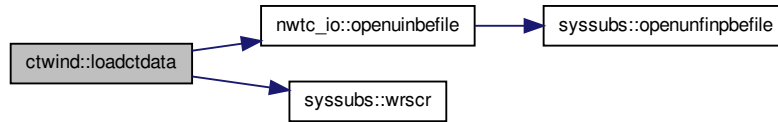
Here is the call graph for this function:



3.6.2.17 subroutine ctwind::loadctdata (integer, intent(in) UnWind, character(*), intent(in) FileName, integer, intent(in) ITime, integer, intent(in) IComp, real(reki), dimension (numctyd,numctzd,2), intent(inout) Vel, integer, intent(out) ErrStat) [private]

Definition at line 49462 of file tempassembled.f90.

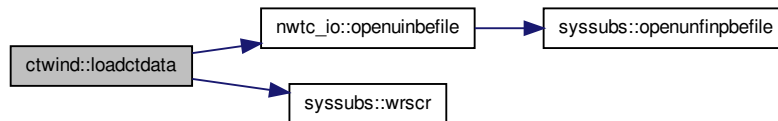
Here is the call graph for this function:



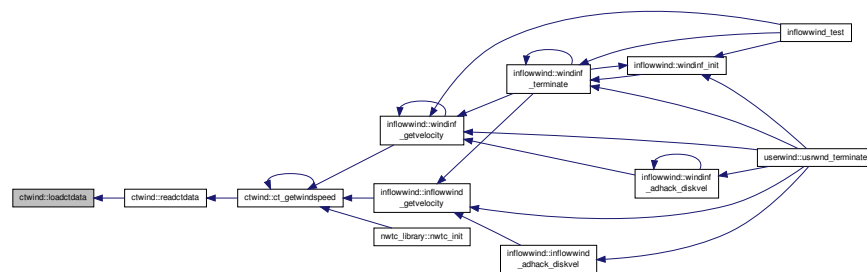
3.6.2.18 subroutine `ctwind::loadctdata` (integer, intent(in) *UnWind*, character(*), intent(in) *FileName*, integer, intent(in) *ITime*, integer, intent(in) *IComp*, real(reki), dimension (numctyd,numctzd,2), intent(inout) *Vel*, integer, intent(out) *ErrStat*)
[private]

Definition at line 7840 of file `tempassembled.f90`.

Here is the call graph for this function:



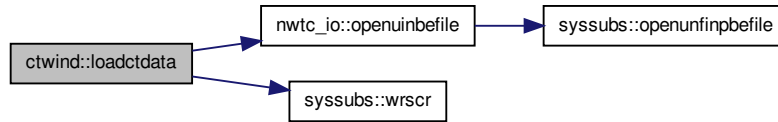
Here is the caller graph for this function:



3.6.2.19 subroutine `ctwind::loadctdata` (integer, intent(in) *UnWind*, character(*), intent(in) *FileName*, integer, intent(in) *ITime*, integer, intent(in) *IComp*, real(reki), dimension (numctyd,numctzd,2), intent(inout) *Vel*, integer, intent(out) *ErrStat*)
[private]

Definition at line 35580 of file `tempassembled.f90`.

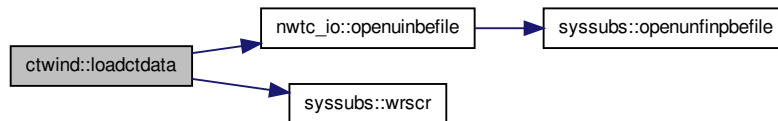
Here is the call graph for this function:



3.6.2.20 subroutine `ctwind::loadctdata` (integer, intent(in) *UnWind*, character(*), intent(in) *FileName*, integer, intent(in) *ITime*, integer, intent(in) *IComp*, real(reki), dimension (numctyd,numctzd,2), intent(inout) *Vel*, integer, intent(out) *ErrStat*) [private]

Definition at line 21710 of file `tempassembled.f90`.

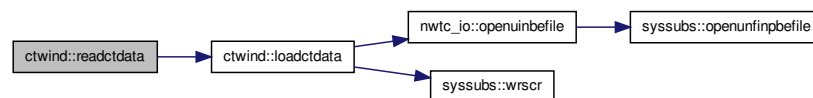
Here is the call graph for this function:



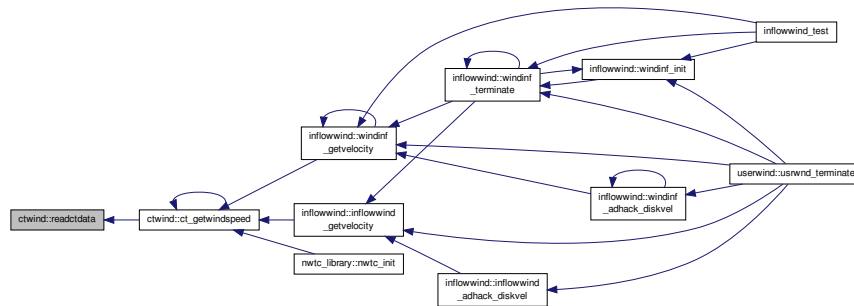
3.6.2.21 subroutine `ctwind::readctdata` (integer, intent(in) *UnWind*, integer, intent(in) *CTFileNo*, integer, intent(in) *Itime*, integer, intent(out) *ErrStat*) [private]

Definition at line 7787 of file `tempassembled.f90`.

Here is the call graph for this function:



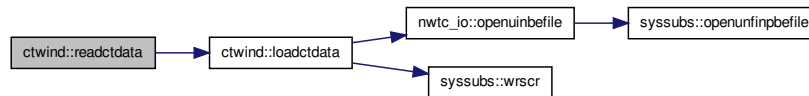
Here is the caller graph for this function:



3.6.2.22 subroutine `ctwind::readctdata` (integer, intent(in) *UnWind*, integer, intent(in) *CTFileNo*, integer, intent(in) *ltime*, integer, intent(out) *ErrStat*) [private]

Definition at line 21657 of file `tempassembled.f90`.

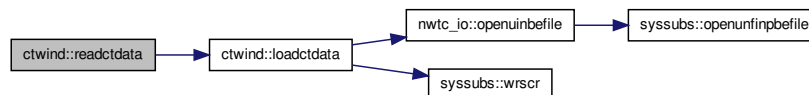
Here is the call graph for this function:



3.6.2.23 subroutine `ctwind::readctdata` (integer, intent(in) *UnWind*, integer, intent(in) *CTFileNo*, integer, intent(in) *ltime*, integer, intent(out) *ErrStat*) [private]

Definition at line 35527 of file `tempassembled.f90`.

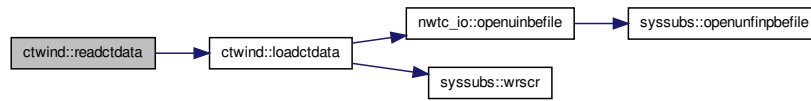
Here is the call graph for this function:



3.6.2.24 subroutine `ctwind::readctdata` (integer, intent(in) *UnWind*, integer, intent(in) *CTFileNo*, integer, intent(in) *ltime*, integer, intent(out) *ErrStat*) [private]

Definition at line 49409 of file `tempassembled.f90`.

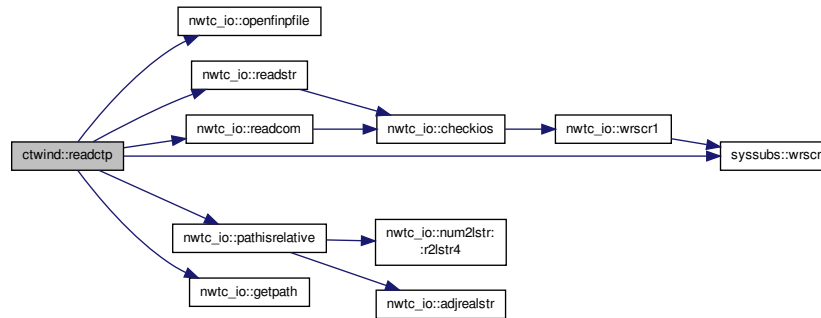
Here is the call graph for this function:



3.6.2.25 subroutine `ctwind::readctp (integer, intent(in) UnWind, character(*), intent(in) FileName, type(ctwindfiles), intent(out) CTPscaling, integer, intent(out) ErrStat) [private]`

Definition at line 35648 of file `tempassembled.f90`.

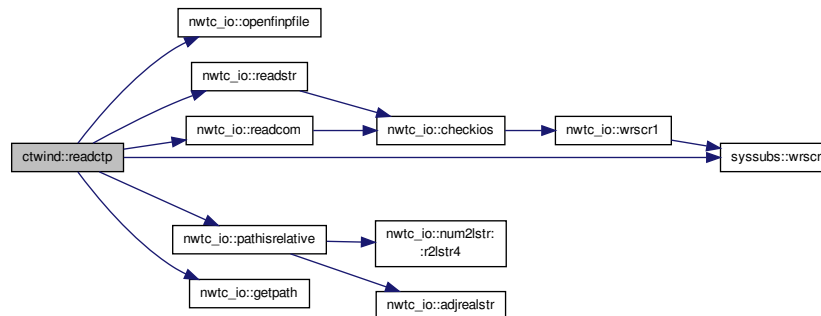
Here is the call graph for this function:



3.6.2.26 subroutine `ctwind::readctp (integer, intent(in) UnWind, character(*), intent(in) FileName, type(ctwindfiles), intent(out) CTPscaling, integer, intent(out) ErrStat) [private]`

Definition at line 49530 of file `tempassembled.f90`.

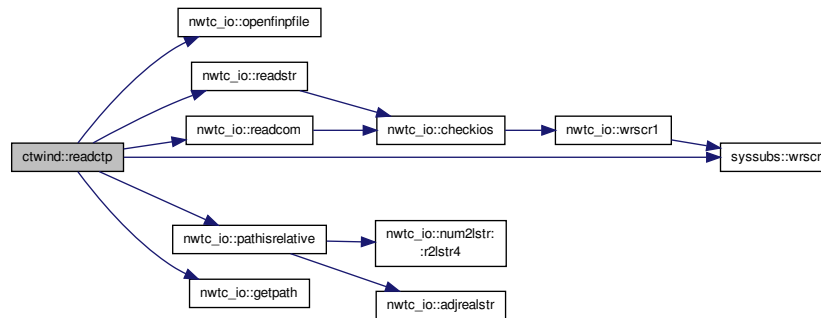
Here is the call graph for this function:



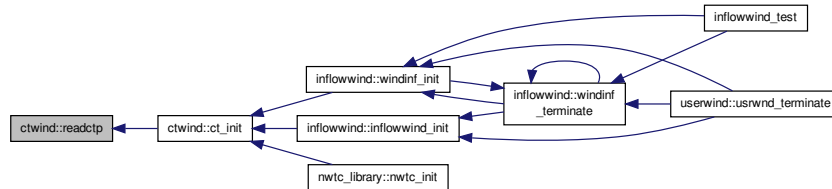
3.6.2.27 subroutine `ctwind::readctp` (integer, intent(in) *UnWind*, character(*), intent(in) *FileName*, type(ctwindfiles), intent(out) *CTPscaling*, integer, intent(out) *ErrStat*) [private]

Definition at line 7908 of file `tempassembled.f90`.

Here is the call graph for this function:



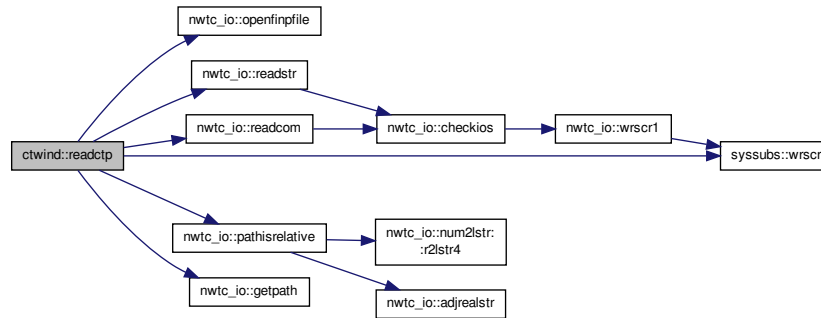
Here is the caller graph for this function:



3.6.2.28 subroutine `ctwind::readctp` (integer, intent(in) *UnWind*, character(*), intent(in) *FileName*, type(ctwindfiles), intent(out) *CTPscaling*, integer, intent(out) *ErrStat*) [private]

Definition at line 21778 of file `tempassembled.f90`.

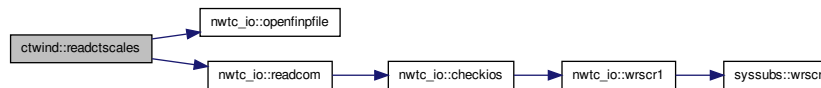
Here is the call graph for this function:



3.6.2.29 subroutine `ctwind::readctpscales` (integer, intent(in) *UnWind*, character(*), intent(in) *FileName*, integer, intent(out) *ErrStat*)
[private]

Definition at line 22000 of file `tempassembled.f90`.

Here is the call graph for this function:



3.6.2.30 subroutine `ctwind::readctpscales` (integer, intent(in) *UnWind*, character(*), intent(in) *FileName*, integer, intent(out) *ErrStat*)
[private]

Definition at line 49752 of file `tempassembled.f90`.

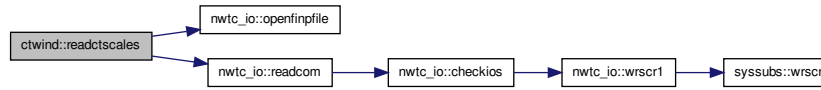
Here is the call graph for this function:



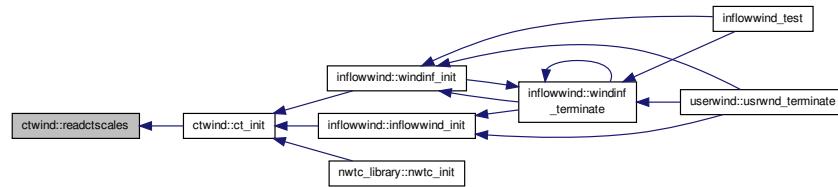
3.6.2.31 subroutine `ctwind::readctpscales` (integer, intent(in) *UnWind*, character(*), intent(in) *FileName*, integer, intent(out) *ErrStat*)
[private]

Definition at line 8130 of file `tempassembled.f90`.

Here is the call graph for this function:



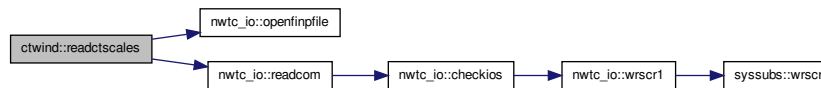
Here is the caller graph for this function:



3.6.2.32 subroutine `ctwind::readtcscales` (integer, intent(in) *UnWind*, character(*), intent(in) *FileName*, integer, intent(out) *ErrStat*)
 [private]

Definition at line 35870 of file `tempassembled.f90`.

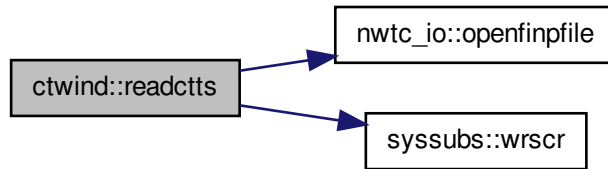
Here is the call graph for this function:



3.6.2.33 subroutine `ctwind::readctts` (integer, intent(in) *UnWind*, character(*), intent(in) *FileName*, character(3), intent(out) *CT_SC_ext*, integer, intent(out) *ErrStat*) [private]

Definition at line 49610 of file `tempassembled.f90`.

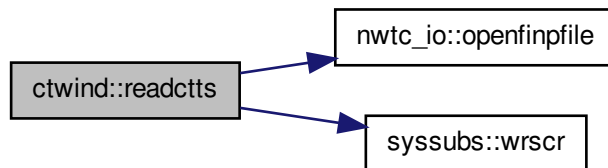
Here is the call graph for this function:



3.6.2.34 subroutine ctwind::readctts (integer, intent(in) *UnWind*, character(*), intent(in) *FileName*, character(3), intent(out) *CT_SC_ext*, integer, intent(out) *ErrStat*) [private]

Definition at line 35728 of file tempassembled.f90.

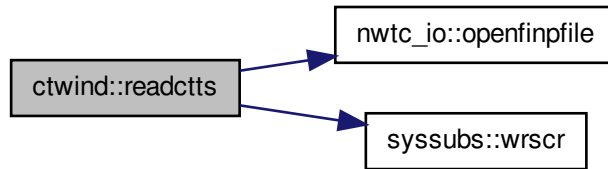
Here is the call graph for this function:



3.6.2.35 subroutine ctwind::readctts (integer, intent(in) *UnWind*, character(*), intent(in) *FileName*, character(3), intent(out) *CT_SC_ext*, integer, intent(out) *ErrStat*) [private]

Definition at line 21858 of file tempassembled.f90.

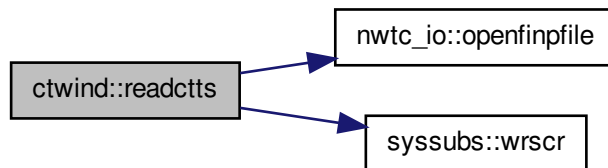
Here is the call graph for this function:



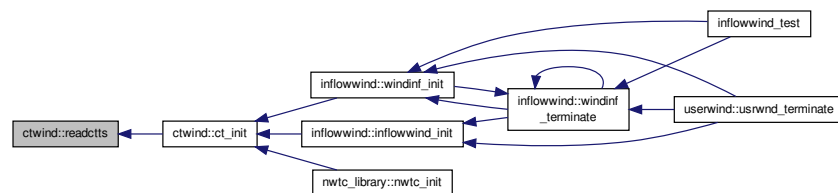
3.6.2.36 subroutine ctwind::readctts (integer, intent(in) *UnWind*, character(*), intent(in) *FileName*, character(3), intent(out) *CT_SC_ext*, integer, intent(out) *ErrStat*) [private]

Definition at line 7988 of file tempassembled.f90.

Here is the call graph for this function:



Here is the caller graph for this function:



3.6.3 Member Data Documentation

3.6.3.1 integer ctwind::ct_df_y [private]

Definition at line 7261 of file tempassembled.f90.

3.6.3.2 integer ctwind::ct_df_z [private]

Definition at line 7262 of file tempassembled.f90.

3.6.3.3 real(reki) ctwind::ct_zref [private]

Definition at line 7254 of file tempassembled.f90.

3.6.3.4 real(reki) ctwind::ctdistsc [private]

Definition at line 7241 of file tempassembled.f90.

3.6.3.5 character(3) ctwind::ctext [private]

Definition at line 7282 of file tempassembled.f90.

3.6.3.6 real(reki) ctwind::ctly [private]

Definition at line 7249 of file tempassembled.f90.

3.6.3.7 real(reki) ctwind::ctlz [private]

Definition at line 7250 of file tempassembled.f90.

3.6.3.8 real(reki), dimension (numcomps) ctwind::ctoffset [private]

Definition at line 7242 of file tempassembled.f90.

3.6.3.9 real(reki), dimension (numcomps) ctwind::ctscale [private]

Definition at line 7243 of file tempassembled.f90.

3.6.3.10 real(reki) ctwind::ctscalelevel [private]

Definition at line 7251 of file tempassembled.f90.

3.6.3.11 character(1024) ctwind::ctspath [private]

Definition at line 7283 of file tempassembled.f90.

3.6.3.12 integer, dimension(2) ctwind::ctvel_files [private]

Definition at line 7263 of file tempassembled.f90.

3.6.3.13 real(reki), dimension (:,:), allocatable ctwind::ctvelu [private]

Definition at line 7246 of file tempassembled.f90.

3.6.3.14 real(reki), dimension (:,:), allocatable ctwind::ctvelv [private]

Definition at line 7247 of file tempassembled.f90.

3.6.3.15 `real(reki), dimension (:,:,), allocatable ctwind::ctvelw` [private]

Definition at line 7248 of file tempassembled.f90.

3.6.3.16 `logical ctwind::ctvertshft` [private]

Definition at line 7280 of file tempassembled.f90.

3.6.3.17 `integer ctwind::ctwindunit` [private]

Definition at line 7278 of file tempassembled.f90.

3.6.3.18 `real(reki) ctwind::ctyhwid` [private]

Definition at line 7255 of file tempassembled.f90.

3.6.3.19 `real(reki) ctwind::ctymax` [private]

Definition at line 7256 of file tempassembled.f90.

3.6.3.20 `real(reki) ctwind::ctyt` [private]

Definition at line 7257 of file tempassembled.f90.

3.6.3.21 `real(reki) ctwind::ctzmax` [private]

Definition at line 7258 of file tempassembled.f90.

3.6.3.22 `real(reki) ctwind::delyctgrid` [private]

Definition at line 7239 of file tempassembled.f90.

3.6.3.23 `real(reki) ctwind::delzctgrid` [private]

Definition at line 7240 of file tempassembled.f90.

3.6.3.24 `integer ctwind::indct_hi` [private]

Definition at line 7265 of file tempassembled.f90.

3.6.3.25 `integer ctwind::indct_lo` [private]

Definition at line 7266 of file tempassembled.f90.

3.6.3.26 `real(reki) ctwind::invmtws` [private]

Definition at line 7259 of file tempassembled.f90.

3.6.3.27 `integer parameter ctwind::numcomps = 3` [private]

Definition at line 7236 of file tempassembled.f90.

3.6.3.28 `integer ctwind::numctt` [private]

Definition at line 7268 of file tempassembled.f90.

3.6.3.29 integer ctwind::numcty [private]

Definition at line 7269 of file tempassembled.f90.

3.6.3.30 integer ctwind::numctyd [private]

Definition at line 7270 of file tempassembled.f90.

3.6.3.31 integer ctwind::numctyd1 [private]

Definition at line 7271 of file tempassembled.f90.

3.6.3.32 integer ctwind::numctz [private]

Definition at line 7272 of file tempassembled.f90.

3.6.3.33 integer ctwind::numctzd [private]

Definition at line 7273 of file tempassembled.f90.

3.6.3.34 integer ctwind::numctzd1 [private]

Definition at line 7274 of file tempassembled.f90.

3.6.3.35 real(reki), dimension (:), allocatable ctwind::tdata [private]

Definition at line 7252 of file tempassembled.f90.

3.6.3.36 integer save ctwind::timeindx = 0 [private]

Definition at line 7275 of file tempassembled.f90.

3.6.3.37 integer, dimension (:), allocatable ctwind::timestpct [private]

Definition at line 7276 of file tempassembled.f90.

The documentation for this module was generated from the following file:

- [tempassembled.f90](#)

3.7 ctwind::ctwindfiles Type Reference

Private Attributes

- character(1024) [cttsfile](#)
- character(1024) [ctbackgr](#)

3.7.1 Detailed Description

Definition at line 7285 of file tempassembled.f90.

3.7.2 Member Data Documentation

3.7.2.1 character(1024) ctwind::ctwindfiles::ctbackgr [private]

Definition at line 7287 of file tempassembled.f90.

3.7.2.2 character(1024) ctwind::ctwindfiles::cttsfile [private]

Definition at line 7286 of file tempassembled.f90.

The documentation for this type was generated from the following file:

- [tempassembled.f90](#)

3.8 nwtc_io::dispnvd Interface Reference

Public Member Functions

- subroutine [dispnvd0](#)
- subroutine [dispnvd1](#) (ProgInfo)
- subroutine [dispnvd2](#) (Name, Ver)
- subroutine [dispnvd0](#)
- subroutine [dispnvd1](#) (ProgInfo)
- subroutine [dispnvd2](#) (Name, Ver)
- subroutine [dispnvd0](#)
- subroutine [dispnvd1](#) (ProgInfo)
- subroutine [dispnvd2](#) (Name, Ver)
- subroutine [dispnvd0](#)
- subroutine [dispnvd1](#) (ProgInfo)
- subroutine [dispnvd2](#) (Name, Ver)

3.8.1 Detailed Description

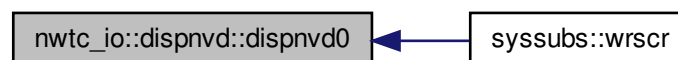
Definition at line 1107 of file tempassembled.f90.

3.8.2 Member Function/Subroutine Documentation

3.8.2.1 subroutine nwtc_io::dispnvd::dispnvd0 ()

Definition at line 1937 of file tempassembled.f90.

Here is the caller graph for this function:



3.8.2.2 subroutine nwtc_io::dispnvd::dispnvd0 ()

Definition at line 15807 of file tempassembled.f90.

3.8.2.3 subroutine nwtc_io::dispnvd::dispnvd0 ()

Definition at line 43547 of file tempassembled.f90.

3.8.2.4 subroutine nwtc_io::dispnvd::dispnvd0 ()

Definition at line 29677 of file tempassembled.f90.

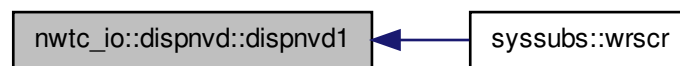
3.8.2.5 subroutine nwtc_io::dispnvd::dispnvd1 (type(progdesc), intent(in) *ProgInfo*)

Definition at line 43561 of file tempassembled.f90.

3.8.2.6 subroutine nwtc_io::dispnvd::dispnvd1 (type(progdesc), intent(in) *ProgInfo*)

Definition at line 1951 of file tempassembled.f90.

Here is the caller graph for this function:

**3.8.2.7** subroutine nwtc_io::dispnvd::dispnvd1 (type(progdesc), intent(in) *ProgInfo*)

Definition at line 29691 of file tempassembled.f90.

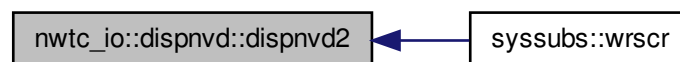
3.8.2.8 subroutine nwtc_io::dispnvd::dispnvd1 (type(progdesc), intent(in) *ProgInfo*)

Definition at line 15821 of file tempassembled.f90.

3.8.2.9 subroutine nwtc_io::dispnvd::dispnvd2 (character(*), intent(in) *Name*, character(*), intent(in) *Ver*)

Definition at line 1969 of file tempassembled.f90.

Here is the caller graph for this function:



3.8.2.10 subroutine nwtc_io::dispnvd::dispnvd2 (character(*), intent(in) *Name*, character(*), intent(in) *Ver*)

Definition at line 29709 of file tempassembled.f90.

3.8.2.11 subroutine nwtc_io::dispnvd::dispnvd2 (character(*), intent(in) *Name*, character(*), intent(in) *Ver*)

Definition at line 43579 of file tempassembled.f90.

3.8.2.12 subroutine nwtc_io::dispnvd::dispnvd2 (character(*), intent(in) *Name*, character(*), intent(in) *Ver*)

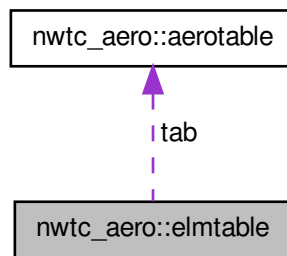
Definition at line 15839 of file tempassembled.f90.

The documentation for this interface was generated from the following file:

- [tempassembled.f90](#)

3.9 nwtc_aero::elmtree Type Reference

Collaboration diagram for nwtc_aero::elmtree:



Public Attributes

- integer [numtabs](#)
- type([aeromtable](#)), dimension(:), allocatable [tab](#)

3.9.1 Detailed Description

Definition at line 6020 of file tempassembled.f90.

3.9.2 Member Data Documentation

3.9.2.1 integer nwtc_aero::elmtree::numtabs

Definition at line 6021 of file tempassembled.f90.

3.9.2.2 type(aerotable), dimension (:), allocatable nwtc_aero::elmtable::tab

Definition at line 6022 of file tempassembled.f90.

The documentation for this type was generated from the following file:

- [tempassembled.f90](#)

3.10 nwtc_num::equalrealnos Interface Reference

Public Member Functions

- logical function [equalrealnos4](#) (ReNum1, ReNum2)
- logical function [equalrealnos8](#) (ReNum1, ReNum2)
- logical function [equalrealnos16](#) (ReNum1, ReNum2)
- logical function [equalrealnos4](#) (ReNum1, ReNum2)
- logical function [equalrealnos8](#) (ReNum1, ReNum2)
- logical function [equalrealnos16](#) (ReNum1, ReNum2)
- logical function [equalrealnos4](#) (ReNum1, ReNum2)
- logical function [equalrealnos8](#) (ReNum1, ReNum2)
- logical function [equalrealnos16](#) (ReNum1, ReNum2)
- logical function [equalrealnos4](#) (ReNum1, ReNum2)
- logical function [equalrealnos8](#) (ReNum1, ReNum2)
- logical function [equalrealnos16](#) (ReNum1, ReNum2)

3.10.1 Detailed Description

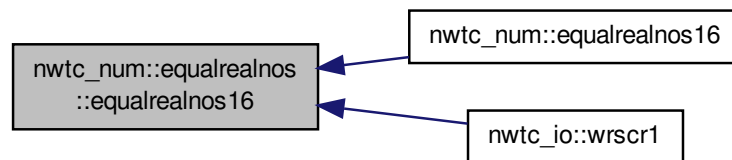
Definition at line 4498 of file tempassembled.f90.

3.10.2 Member Function/Subroutine Documentation

3.10.2.1 logical function nwtc_num::equalrealnos::equalrealnos16 (real(quki), intent(in) ReNum1, real(quki), intent(in) ReNum2)

Definition at line 4764 of file tempassembled.f90.

Here is the caller graph for this function:



3.10.2.2 logical function nwtc_num::equalrealnos::equalrealnos16 (real(quki), intent(in) *ReNum1*, real(quki), intent(in) *ReNum2*)

Definition at line 32504 of file tempassembled.f90.

3.10.2.3 logical function nwtc_num::equalrealnos::equalrealnos16 (real(quki), intent(in) *ReNum1*, real(quki), intent(in) *ReNum2*)

Definition at line 18634 of file tempassembled.f90.

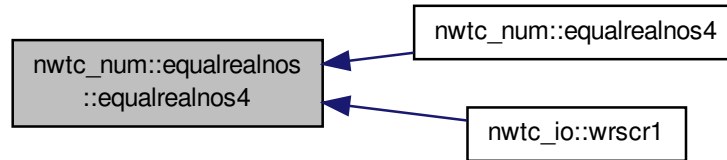
3.10.2.4 logical function nwtc_num::equalrealnos::equalrealnos16 (real(quki), intent(in) *ReNum1*, real(quki), intent(in) *ReNum2*)

Definition at line 46374 of file tempassembled.f90.

3.10.2.5 logical function nwtc_num::equalrealnos::equalrealnos4 (real(siki), intent(in) *ReNum1*, real(siki), intent(in) *ReNum2*)

Definition at line 4690 of file tempassembled.f90.

Here is the caller graph for this function:



3.10.2.6 logical function nwtc_num::equalrealnos::equalrealnos4 (real(siki), intent(in) *ReNum1*, real(siki), intent(in) *ReNum2*)

Definition at line 18560 of file tempassembled.f90.

3.10.2.7 logical function nwtc_num::equalrealnos::equalrealnos4 (real(siki), intent(in) *ReNum1*, real(siki), intent(in) *ReNum2*)

Definition at line 46300 of file tempassembled.f90.

3.10.2.8 logical function nwtc_num::equalrealnos::equalrealnos4 (real(siki), intent(in) *ReNum1*, real(siki), intent(in) *ReNum2*)

Definition at line 32430 of file tempassembled.f90.

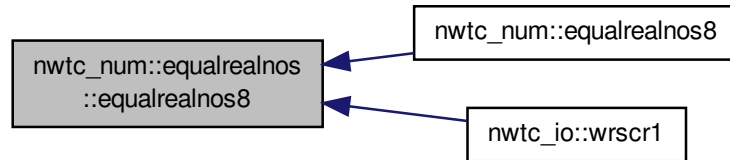
3.10.2.9 logical function nwtc_num::equalrealnos::equalrealnos8 (real(r8ki), intent(in) *ReNum1*, real(r8ki), intent(in) *ReNum2*)

Definition at line 32467 of file tempassembled.f90.

3.10.2.10 logical function nwtc_num::equalrealnos::equalrealnos8 (real(r8ki), intent(in) *ReNum1*, real(r8ki), intent(in) *ReNum2*)

Definition at line 4727 of file tempassembled.f90.

Here is the caller graph for this function:



3.10.2.11 logical function `nwtc_num::equalrealnos::equalrealnos8 (real(r8ki), intent(in) ReNum1, real(r8ki), intent(in) ReNum2)`

Definition at line 46337 of file `tempassembled.f90`.

3.10.2.12 logical function `nwtc_num::equalrealnos::equalrealnos8 (real(r8ki), intent(in) ReNum1, real(r8ki), intent(in) ReNum2)`

Definition at line 18597 of file `tempassembled.f90`.

The documentation for this interface was generated from the following file:

- [tempassembled.f90](#)

3.11 nwtc_io::fastdatatype Type Reference

Public Attributes

- character(1024) [file](#)
- character(1024) [descr](#)
- integer(b4ki) [numchans](#)
- integer(b4ki) [numrecs](#)
- real(r8ki) [timestep](#)
- character(20), dimension(:), allocatable [channames](#)
- character(20), dimension(:), allocatable [chanunits](#)
- real(reki), dimension(:,,:), allocatable [data](#)

3.11.1 Detailed Description

Definition at line 1004 of file `tempassembled.f90`.

3.11.2 Member Data Documentation

3.11.2.1 character(20), dimension(:), allocatable `nwtc_io::fastdatatype::channames`

Definition at line 1010 of file `tempassembled.f90`.

3.11.2.2 character(20), dimension(:), allocatable nwtc_io::fastdatatype::chanunits

Definition at line 1011 of file tempassembled.f90.

3.11.2.3 real(reki), dimension(:,,:), allocatable nwtc_io::fastdatatype::data

Definition at line 1012 of file tempassembled.f90.

3.11.2.4 character(1024) nwtc_io::fastdatatype::descr

Definition at line 1006 of file tempassembled.f90.

3.11.2.5 character(1024) nwtc_io::fastdatatype::file

Definition at line 1005 of file tempassembled.f90.

3.11.2.6 integer(b4ki) nwtc_io::fastdatatype::numchans

Definition at line 1007 of file tempassembled.f90.

3.11.2.7 integer(b4ki) nwtc_io::fastdatatype::numrecs

Definition at line 1008 of file tempassembled.f90.

3.11.2.8 real(r8ki) nwtc_io::fastdatatype::timestep

Definition at line 1009 of file tempassembled.f90.

The documentation for this type was generated from the following file:

- [tempassembled.f90](#)

3.12 fdwind Module Reference

Public Member Functions

- subroutine, public [fd_init](#) (UnWind, WindFile, RefHt, ErrStat)
- real(reki) function, public [fd_getvalue](#) (RVarName, ErrStat)
- type(inflintrpout) function, public [fd_getwindspeed](#) (Time, InputPosition, ErrStat)
- subroutine, public [fd_terminate](#) (ErrStat)
- subroutine, public [fd_init](#) (UnWind, WindFile, RefHt, ErrStat)
- real(reki) function, public [fd_getvalue](#) (RVarName, ErrStat)
- type(inflintrpout) function, public [fd_getwindspeed](#) (Time, InputPosition, ErrStat)
- subroutine, public [fd_terminate](#) (ErrStat)
- subroutine, public [fd_init](#) (UnWind, WindFile, RefHt, ErrStat)
- real(reki) function, public [fd_getvalue](#) (RVarName, ErrStat)
- type(inflintrpout) function, public [fd_getwindspeed](#) (Time, InputPosition, ErrStat)
- subroutine, public [fd_terminate](#) (ErrStat)
- subroutine, public [fd_init](#) (UnWind, WindFile, RefHt, ErrStat)
- real(reki) function, public [fd_getvalue](#) (RVarName, ErrStat)
- type(inflintrpout) function, public [fd_getwindspeed](#) (Time, InputPosition, ErrStat)
- subroutine, public [fd_terminate](#) (ErrStat)

Private Member Functions

- subroutine [readfdp](#) (UnWind, FileName, FDTsfile, ErrStat)
- subroutine [read4dtimes](#) (UnWind, FileName, ErrStat)
- subroutine [readall4ddata](#) (UnWind, ErrStat)
- subroutine [loadlesdata](#) (UnWind, FileNo, Indx, ErrStat)
- subroutine [read4ddata](#) (UnWind, FileName, Comp, Indx4, Scale, Offset, ErrStat)
- subroutine [load4ddata](#) (InplIndx)
- subroutine [readfdp](#) (UnWind, FileName, FDTsfile, ErrStat)
- subroutine [read4dtimes](#) (UnWind, FileName, ErrStat)
- subroutine [readall4ddata](#) (UnWind, ErrStat)
- subroutine [loadlesdata](#) (UnWind, FileNo, Indx, ErrStat)
- subroutine [read4ddata](#) (UnWind, FileName, Comp, Indx4, Scale, Offset, ErrStat)
- subroutine [load4ddata](#) (InplIndx)
- subroutine [readfdp](#) (UnWind, FileName, FDTsfile, ErrStat)
- subroutine [read4dtimes](#) (UnWind, FileName, ErrStat)
- subroutine [readall4ddata](#) (UnWind, ErrStat)
- subroutine [loadlesdata](#) (UnWind, FileNo, Indx, ErrStat)
- subroutine [read4ddata](#) (UnWind, FileName, Comp, Indx4, Scale, Offset, ErrStat)
- subroutine [load4ddata](#) (InplIndx)
- subroutine [readfdp](#) (UnWind, FileName, FDTsfile, ErrStat)
- subroutine [read4dtimes](#) (UnWind, FileName, ErrStat)
- subroutine [readall4ddata](#) (UnWind, ErrStat)
- subroutine [loadlesdata](#) (UnWind, FileNo, Indx, ErrStat)
- subroutine [read4ddata](#) (UnWind, FileName, Comp, Indx4, Scale, Offset, ErrStat)
- subroutine [load4ddata](#) (InplIndx)

Private Attributes

- real(reki) [delxgrid](#)
- real(reki) [delygrid](#)
- real(reki) [delzgrid](#)
- real(reki) [fdper](#)
- real(reki), dimension(2) [fdtime](#)
- real(reki), dimension(:,:,:), allocatable [fdu](#)
- real(reki), dimension(:,:,:), allocatable [fdv](#)
- real(reki), dimension(:,:,:), allocatable [fdw](#)
- real(reki), dimension(:,:,:), allocatable [fdudata](#)
- real(reki), dimension(:,:,:), allocatable [fdvdata](#)
- real(reki), dimension(:,:,:), allocatable [fdwdata](#)
- real(reki) [lx](#)
- real(reki) [ly](#)
- real(reki) [lz](#)
- real(reki), dimension(3) [offsets](#)
- real(reki), save [prevtime](#)

- real(reki) [rotdiam](#)
- real(reki), dimension(3) [scalfact](#)
- real(reki) [scalevel](#)
- real(reki), dimension(:), allocatable [times4d](#)
- real(reki) [tm_max](#)
- real(reki) [tsclfact](#)
- real(reki) [t_4d_en](#)
- real(reki) [t_4d_st](#)
- real(reki) [xmax](#)
- real(reki) [xt](#)
- real(reki) [ymax](#)
- real(reki) [yt](#)
- real(reki) [zmax](#)
- real(reki) [zt](#)
- real(reki) [zref](#)
- integer [fd_df_x](#)
- integer [fd_df_y](#)
- integer [fd_df_z](#)
- integer [fdfileno](#)
- integer [fdrecl](#)
- integer [ind4dadv](#)
- integer [ind4dnew](#)
- integer [ind4dold](#)
- integer [num4dt](#)
- integer, parameter [num4dtd](#) = 2
- integer [num4dx](#)
- integer [num4dxd](#)
- integer [num4dxd1](#)
- integer [num4dy](#)
- integer [num4dyd](#)
- integer [num4dyd1](#)
- integer [num4dz](#)
- integer [num4dzd](#)
- integer [num4dzd1](#)
- integer [numadvect](#)
- integer [shft4dnew](#)
- integer, dimension(:), allocatable [times4dix](#)
- integer [fdunit](#)
- logical [advect](#)
- logical [vertshft](#)
- logical, save [initialized](#) = .FALSE.
- character(5), dimension(:), allocatable [advfiles](#)
- character(1024) [fdspath](#)

3.12.1 Detailed Description

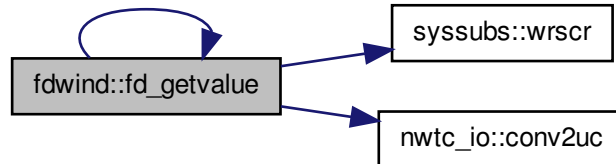
Definition at line 8212 of file tempassembled.f90.

3.12.2 Member Function/Subroutine Documentation

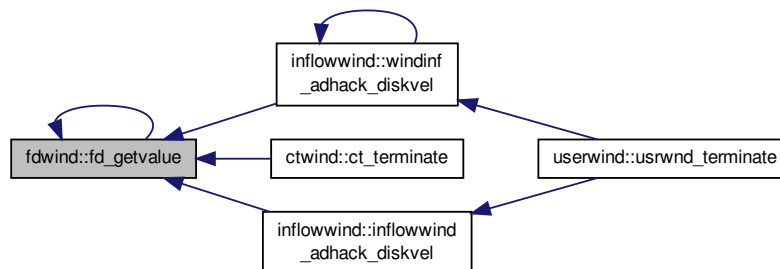
3.12.2.1 real(reki) function, public fdwind::fd_getvalue (character(*), intent(in) RVarName, integer, intent(out) ErrStat)

Definition at line 9071 of file tempassembled.f90.

Here is the call graph for this function:



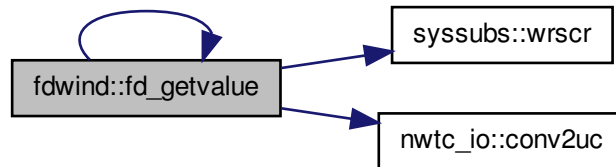
Here is the caller graph for this function:



3.12.2.2 real(reki) function, public fdwind::fd_getvalue (character(*), intent(in) RVarName, integer, intent(out) ErrStat)

Definition at line 22941 of file tempassembled.f90.

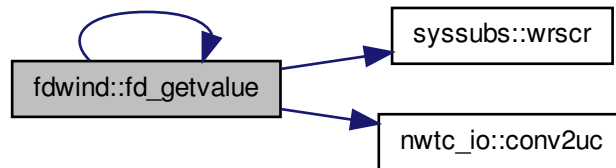
Here is the call graph for this function:



3.12.2.3 `real(reki)` function, `public fdwind::fd_getvalue (character(*), intent(in) RVarName, integer, intent(out) ErrStat)`

Definition at line 50693 of file `tempassembled.f90`.

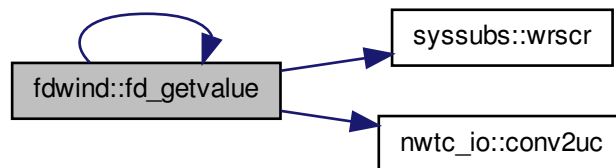
Here is the call graph for this function:



3.12.2.4 `real(reki)` function, `public fdwind::fd_getvalue (character(*), intent(in) RVarName, integer, intent(out) ErrStat)`

Definition at line 36811 of file `tempassembled.f90`.

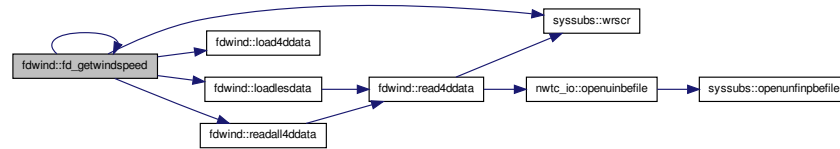
Here is the call graph for this function:



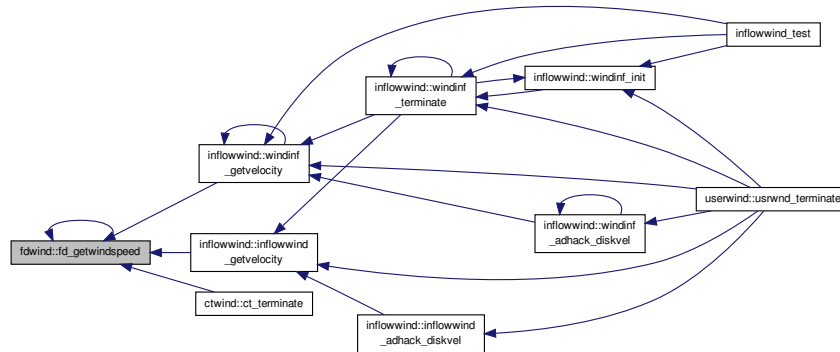
3.12.2.5 type(inflintrpout) function, public fdwind::fd_getwindspeed (real(reki), intent(in) *Time*, real(reki), dimension(3), intent(in) *InputPosition*, integer, intent(out) *ErrStat*)

Definition at line 9117 of file tempassembled.f90.

Here is the call graph for this function:



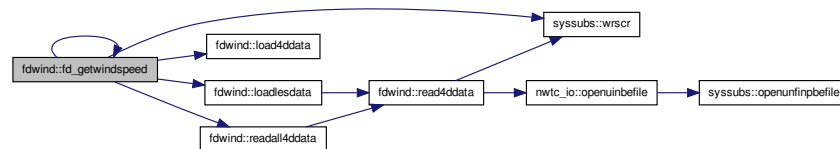
Here is the caller graph for this function:



3.12.2.6 type(inflintrpout) function, public fdwind::fd_getwindspeed (real(reki), intent(in) *Time*, real(reki), dimension(3), intent(in) *InputPosition*, integer, intent(out) *ErrStat*)

Definition at line 22987 of file tempassembled.f90.

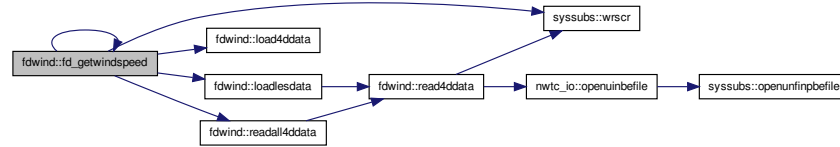
Here is the call graph for this function:



3.12.2.7 type(inflintrpout) function, public fdwind::fd_getwindspeed (real(reki), intent(in) *Time*, real(reki), dimension(3), intent(in) *InputPosition*, integer, intent(out) *ErrStat*)

Definition at line 50739 of file tempassembled.f90.

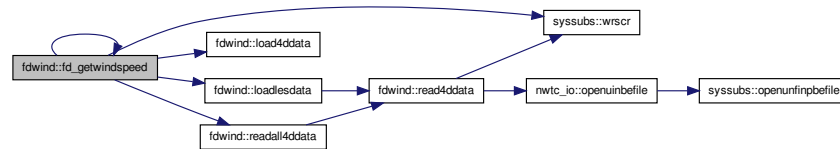
Here is the call graph for this function:



3.12.2.8 type(inflintrpout) function, public fdwind::fd_getwindspeed (real(reki), intent(in) *Time*, real(reki), dimension(3), intent(in) *InputPosition*, integer, intent(out) *ErrStat*)

Definition at line 36857 of file tempassembled.f90.

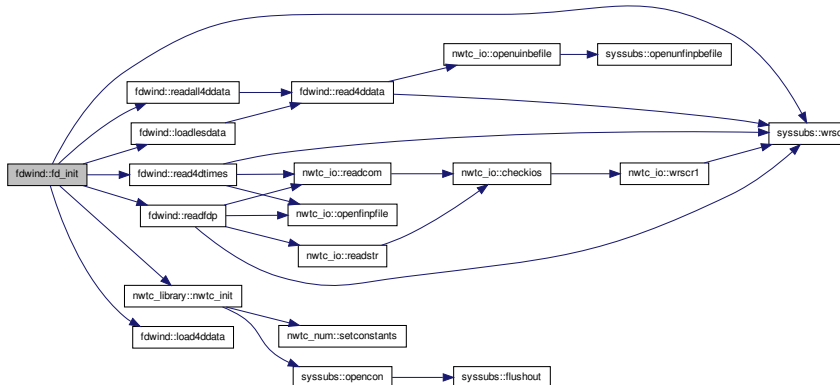
Here is the call graph for this function:



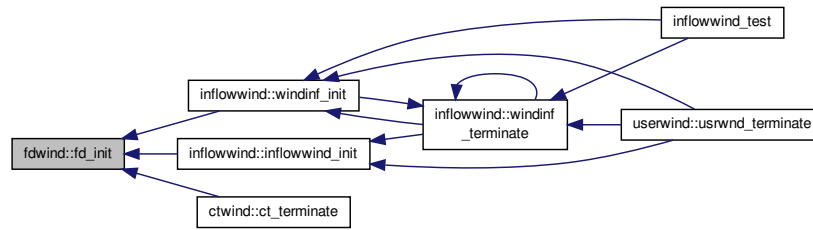
3.12.2.9 subroutine, public fdwind::fd_init (integer, intent(in) *UnWind*, character(*), intent(in) *WindFile*, real(reki), intent(in) *RefHt*, integer, intent(out) *ErrStat*)

Definition at line 8304 of file tempassembled.f90.

Here is the call graph for this function:



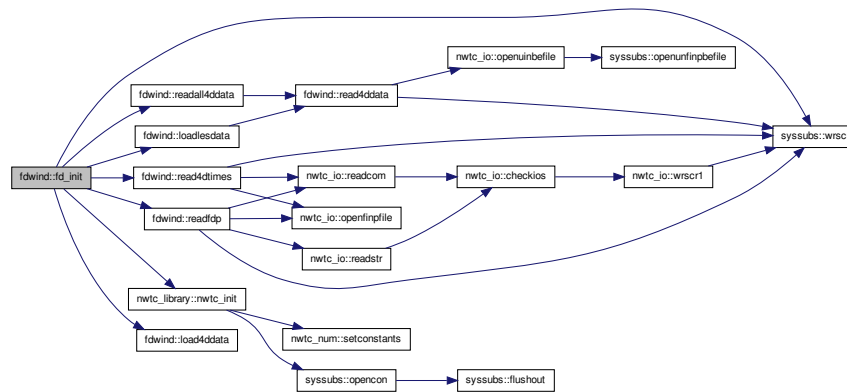
Here is the caller graph for this function:



3.12.2.10 subroutine, public fdwind::fd_init (integer, intent(in) *UnWind*, character(*), intent(in) *WindFile*, real(reki), intent(in) *RefHt*, integer, intent(out) *ErrStat*)

Definition at line 22174 of file tempassembled.f90.

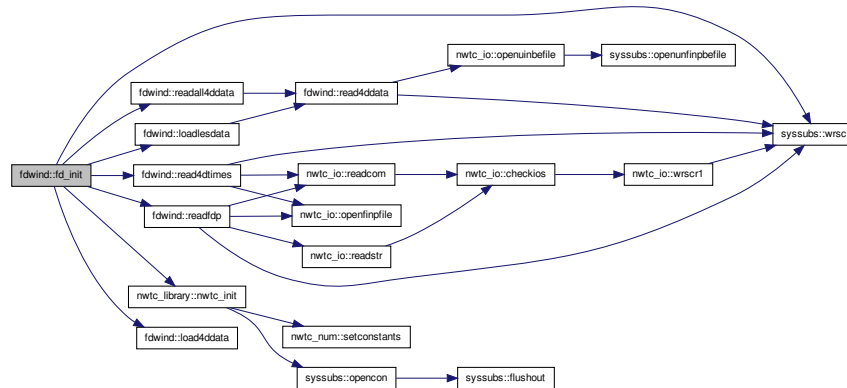
Here is the call graph for this function:



3.12.2.11 subroutine, public fdwind::fd_init (integer, intent(in) *UnWind*, character(*), intent(in) *WindFile*, real(reki), intent(in) *RefHt*, integer, intent(out) *ErrStat*)

Definition at line 36044 of file tempassembled.f90.

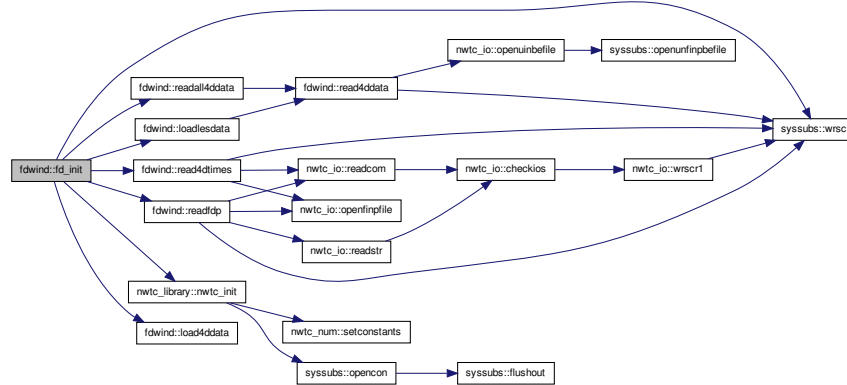
Here is the call graph for this function:



3.12.2.12 subroutine, public fdwind::fd_init (integer, intent(in) *UnWind*, character(*), intent(in) *WindFile*, real(reki), intent(in) *RefHt*, integer, intent(out) *ErrStat*)

Definition at line 49926 of file tempassembled.f90.

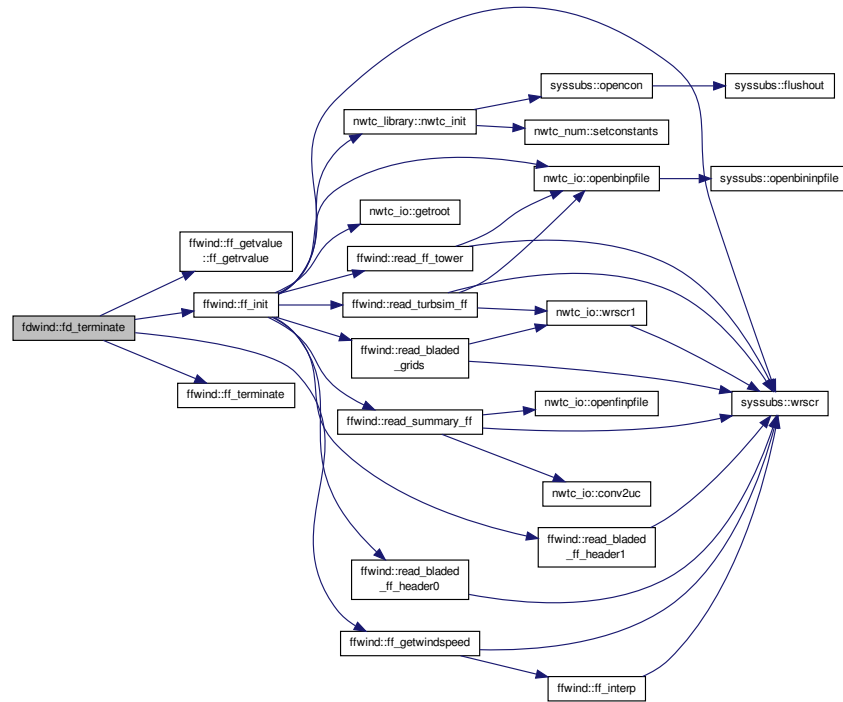
Here is the call graph for this function:



3.12.2.13 subroutine, public fdwind::fd_terminate (integer, intent(out) *ErrStat*)

Definition at line 51071 of file tempassembled.f90.

Here is the call graph for this function:



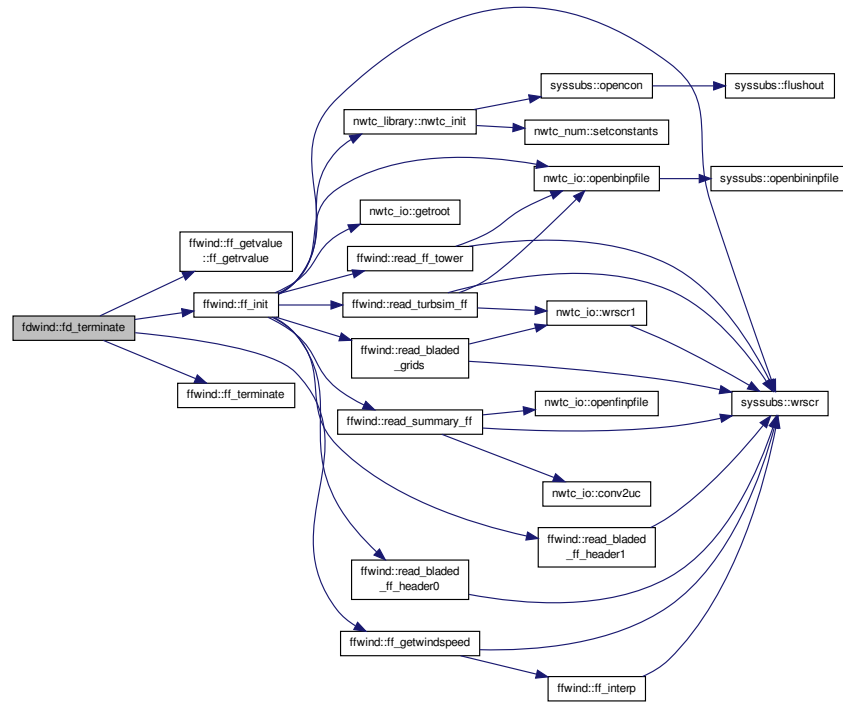
3.12.2.14 subroutine, public fdwind::fd_terminate (integer, intent(out) ErrStat)

Definition at line 23319 of file tempassembled.f90.

Definition at line 9449 of file tempassembled.f90.

Definition at line 37189 of file tempassembled.f90.

Here is the call graph for this function:



3.12.2.17 subroutine `fdwind::load4ddata` (integer, intent(in) *InpIdx*) [private]

Definition at line 22914 of file `tempassembled.f90`.

3.12.2.18 subroutine `fdwind::load4ddata` (integer, intent(in) *InpIdx*) [private]

Definition at line 50666 of file `tempassembled.f90`.

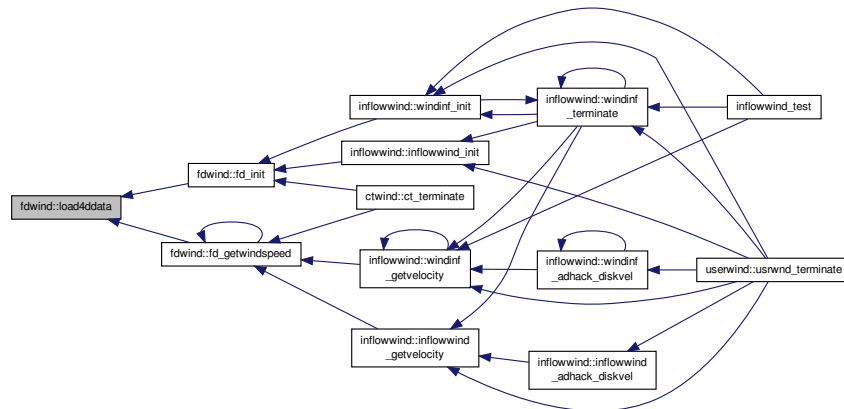
3.12.2.19 subroutine `fdwind::load4ddata` (integer, intent(in) *InpIdx*) [private]

Definition at line 36784 of file `tempassembled.f90`.

3.12.2.20 subroutine `fdwind::load4ddata` (integer, intent(in) *InpIdx*) [private]

Definition at line 9044 of file `tempassembled.f90`.

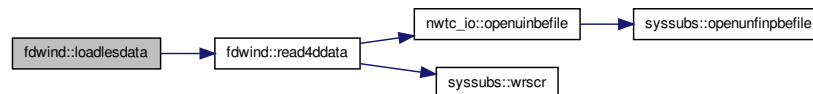
Here is the caller graph for this function:



3.12.2.21 subroutine `fdwind::loadlesdata` (integer, intent(in) *UnWind*, integer, intent(in) *FileNo*, integer, intent(in) *Indx*, integer, intent(out) *ErrStat*) [private]

Definition at line 50544 of file `tempassembled.f90`.

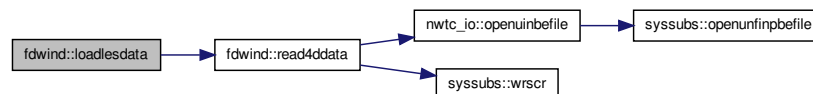
Here is the call graph for this function:



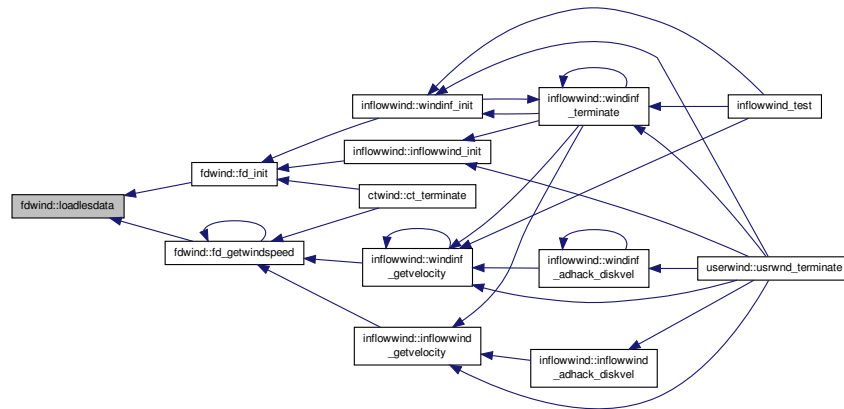
3.12.2.22 subroutine `fdwind::loadlesdata` (integer, intent(in) *UnWind*, integer, intent(in) *FileNo*, integer, intent(in) *Indx*, integer, intent(out) *ErrStat*) [private]

Definition at line 8922 of file `tempassembled.f90`.

Here is the call graph for this function:



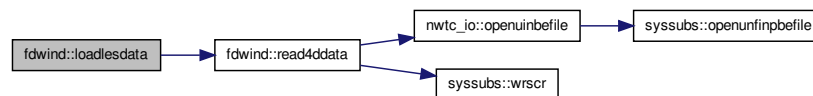
Here is the caller graph for this function:



```
3.12.2.23 subroutine fdwind::loadesdata ( integer,intent(in) UnWind, integer,intent(in) FileNo, integer,intent(in) Idx, integer,  
intent(out) ErrStat ) [private]
```

Definition at line 36662 of file tempassembled.f90.

Here is the call graph for this function:



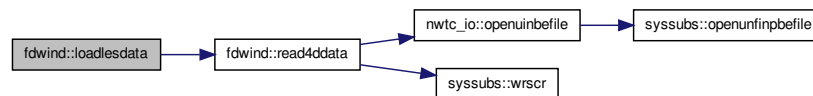
```

3.12.2.24 subroutine fdwind::loadesdata ( integer,intent(in) UnWind, integer,intent(in) FileNo, integer,intent(in) Idx, integer,
intent(out) ErrStat ) [private]

```

Definition at line 22792 of file tempassembled.f90.

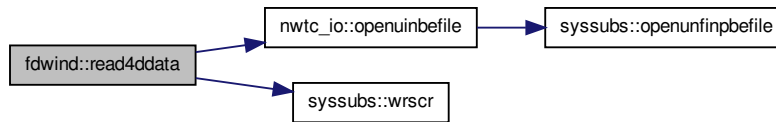
Here is the call graph for this function:



3.12.2.25 subroutine `fdwind::read4ddata` (integer, intent(in) *UnWind*, character(*), intent(in) *FileName*, real(reki), dimension (:,:,:,:), intent(inout) *Comp*, integer, intent(in) *Indx4*, real(reki), intent(in) *Scale*, real(reki), intent(in) *Offset*, integer, intent(out) *ErrStat*) [private]

Definition at line 22829 of file `tempassembled.f90`.

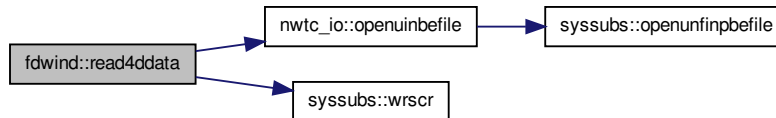
Here is the call graph for this function:



3.12.2.26 subroutine `fdwind::read4ddata` (integer, intent(in) *UnWind*, character(*), intent(in) *FileName*, real(reki), dimension (:,:,:,:), intent(inout) *Comp*, integer, intent(in) *Indx4*, real(reki), intent(in) *Scale*, real(reki), intent(in) *Offset*, integer, intent(out) *ErrStat*) [private]

Definition at line 50581 of file `tempassembled.f90`.

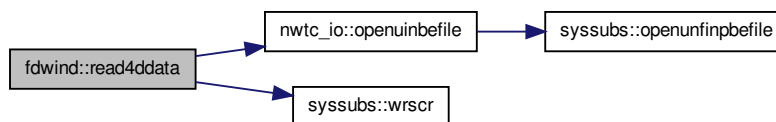
Here is the call graph for this function:



3.12.2.27 subroutine `fdwind::read4ddata` (integer, intent(in) *UnWind*, character(*), intent(in) *FileName*, real(reki), dimension (:,:,:,:), intent(inout) *Comp*, integer, intent(in) *Indx4*, real(reki), intent(in) *Scale*, real(reki), intent(in) *Offset*, integer, intent(out) *ErrStat*) [private]

Definition at line 36699 of file `tempassembled.f90`.

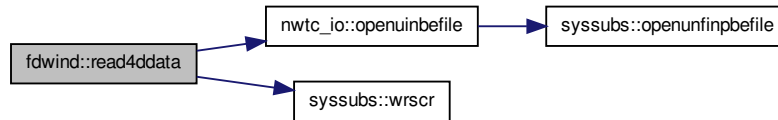
Here is the call graph for this function:



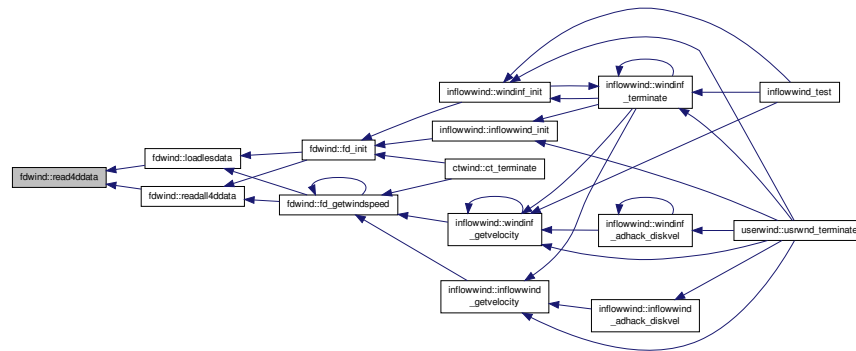
3.12.2.28 subroutine `fdwind::read4ddata` (integer, intent(in) *UnWind*, character(*), intent(in) *FileName*, real(reki), dimension (:,:,:,:), intent(inout) *Comp*, integer, intent(in) *Indx4*, real(reki), intent(in) *Scale*, real(reki), intent(in) *Offset*, integer, intent(out) *ErrStat*) [private]

Definition at line 8959 of file `tempassembled.f90`.

Here is the call graph for this function:



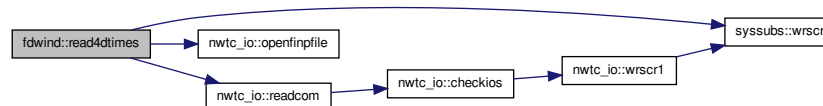
Here is the caller graph for this function:



3.12.2.29 subroutine `fdwind::read4dtimes` (integer, intent(in) *UnWind*, character(*), intent(in) *FileName*, integer, intent(out) *ErrStat*) [private]

Definition at line 50430 of file `tempassembled.f90`.

Here is the call graph for this function:



3.12.2.30 subroutine `fdwind::read4dtimes` (integer, intent(in) *UnWind*, character(*), intent(in) *FileName*, integer, intent(out) *ErrStat*) [private]

Definition at line 36548 of file `tempassembled.f90`.

Here is the call graph for this function:



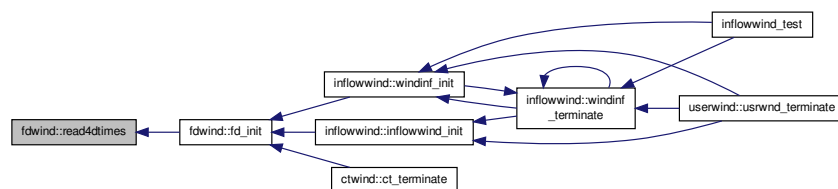
3.12.2.31 subroutine `fdwind::read4dtimes` (integer, intent(in) *UnWind*, character(*), intent(in) *FileName*, integer, intent(out) *ErrStat*) [private]

Definition at line 8808 of file `tempassembled.f90`.

Here is the call graph for this function:



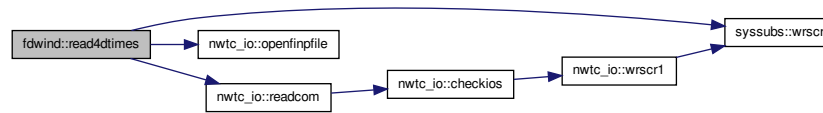
Here is the caller graph for this function:



3.12.2.32 subroutine `fdwind::read4dtimes` (integer, intent(in) *UnWind*, character(*), intent(in) *FileName*, integer, intent(out) *ErrStat*) [private]

Definition at line 22678 of file `tempassembled.f90`.

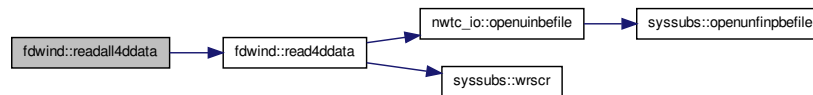
Here is the call graph for this function:



3.12.2.33 subroutine fdwind::readall4ddata (integer, intent(in) *UnWind*, integer, intent(out) *ErrStat*) [private]

Definition at line 36627 of file tempassembled.f90.

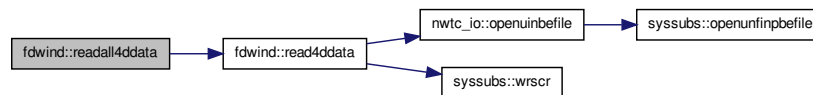
Here is the call graph for this function:



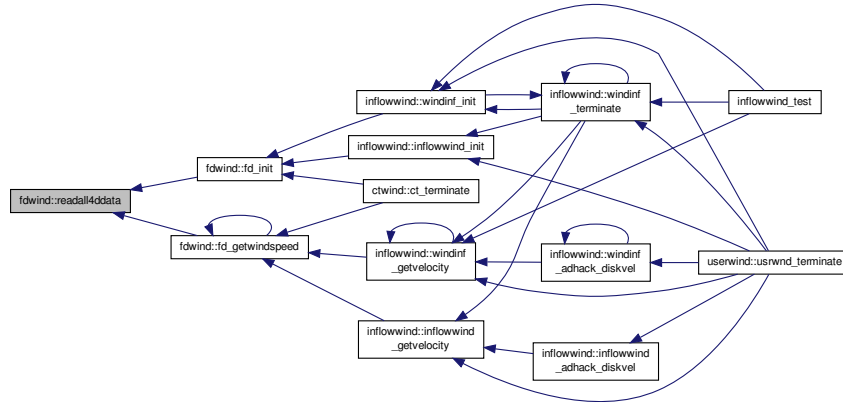
3.12.2.34 subroutine fdwind::readall4ddata (integer, intent(in) *UnWind*, integer, intent(out) *ErrStat*) [private]

Definition at line 8887 of file tempassembled.f90.

Here is the call graph for this function:



Here is the caller graph for this function:



3.12.2.35 subroutine fdwind::readall4ddata (integer, intent(in) *UnWind*, integer, intent(out) *ErrStat*) [private]

Definition at line 50509 of file tempassembled.f90.

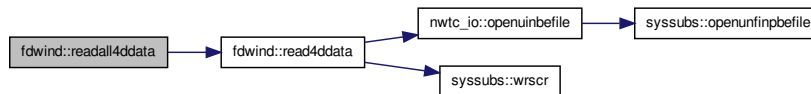
Here is the call graph for this function:



3.12.2.36 subroutine fdwind::readall4ddata (integer, intent(in) *UnWind*, integer, intent(out) *ErrStat*) [private]

Definition at line 22757 of file tempassembled.f90.

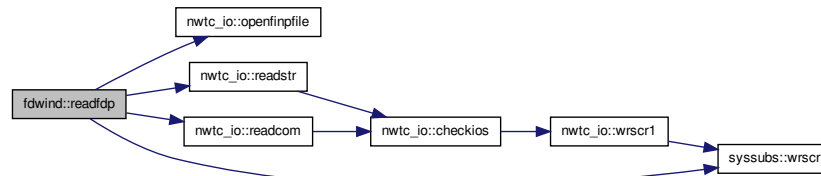
Here is the call graph for this function:



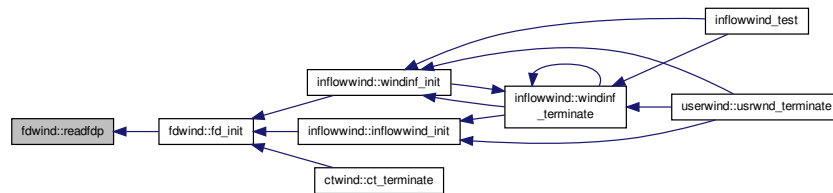
3.12.2.37 subroutine fdwind::readfdp (integer, intent(in) *UnWind*, character(*), intent(in) *FileName*, character(*), intent(out) *FDTsfile*, integer, intent(out) *ErrStat*) [private]

Definition at line 8547 of file tempassembled.f90.

Here is the call graph for this function:



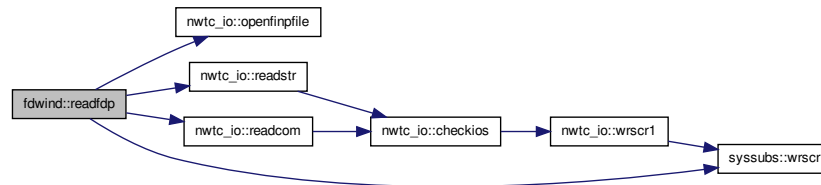
Here is the caller graph for this function:



3.12.2.38 subroutine `fdwind::readfdp` (integer, intent(in) *UnWind*, character(*), intent(in) *FileName*, character(*), intent(out) *FDTsfile*, integer, intent(out) *ErrStat*) [private]

Definition at line 36287 of file `tempassembled.f90`.

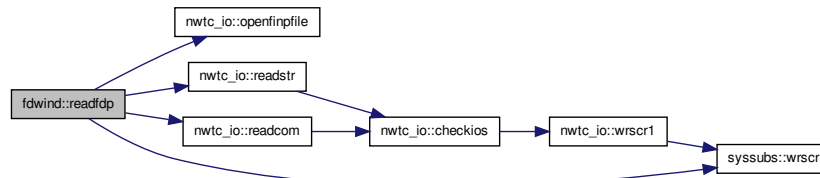
Here is the call graph for this function:



3.12.2.39 subroutine `fdwind::readfdp` (integer, intent(in) *UnWind*, character(*), intent(in) *FileName*, character(*), intent(out) *FDTsfile*, integer, intent(out) *ErrStat*) [private]

Definition at line 22417 of file `tempassembled.f90`.

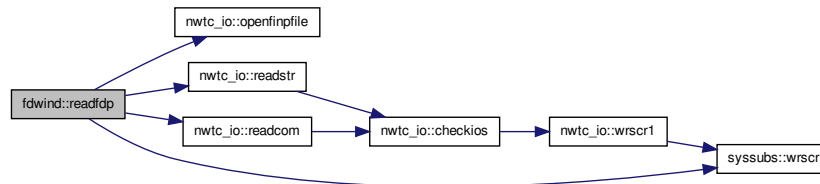
Here is the call graph for this function:



3.12.2.40 subroutine `fdwind::readfdp` (integer, intent(in) *UnWind*, character(*), intent(in) *FileName*, character(*), intent(out) *FDTsfile*, integer, intent(out) *ErrStat*) [private]

Definition at line 50169 of file `tempassembled.f90`.

Here is the call graph for this function:



3.12.3 Member Data Documentation

3.12.3.1 logical `fdwind::advect` [private]

Definition at line 8287 of file `tempassembled.f90`.

3.12.3.2 character(5), dimension (:), allocatable `fdwind::advfiles` [private]

Definition at line 8292 of file `tempassembled.f90`.

3.12.3.3 real(reki) `fdwind::delxgrid` [private]

Definition at line 8230 of file `tempassembled.f90`.

3.12.3.4 real(reki) `fdwind::delygrid` [private]

Definition at line 8231 of file `tempassembled.f90`.

3.12.3.5 real(reki) `fdwind::delzgrid` [private]

Definition at line 8232 of file `tempassembled.f90`.

3.12.3.6 integer fdwind::fd_df_x [private]

Definition at line 8262 of file tempassembled.f90.

3.12.3.7 integer fdwind::fd_df_y [private]

Definition at line 8263 of file tempassembled.f90.

3.12.3.8 integer fdwind::fd_df_z [private]

Definition at line 8264 of file tempassembled.f90.

3.12.3.9 integer fdwind::fdfileno [private]

Definition at line 8265 of file tempassembled.f90.

3.12.3.10 real(reki) fdwind::fdper [private]

Definition at line 8233 of file tempassembled.f90.

3.12.3.11 integer fdwind::fdrecl [private]

Definition at line 8266 of file tempassembled.f90.

3.12.3.12 character(1024) fdwind::fdspath [private]

Definition at line 8293 of file tempassembled.f90.

3.12.3.13 real(reki), dimension (2) fdwind::fdtime [private]

Definition at line 8234 of file tempassembled.f90.

3.12.3.14 real(reki), dimension (:,::,:), allocatable fdwind::fdu [private]

Definition at line 8235 of file tempassembled.f90.

3.12.3.15 real(reki), dimension (:,::,:), allocatable fdwind::fdudata [private]

Definition at line 8238 of file tempassembled.f90.

3.12.3.16 integer fdwind::fdunit [private]

Definition at line 8285 of file tempassembled.f90.

3.12.3.17 real(reki), dimension (:,::,:), allocatable fdwind::fdv [private]

Definition at line 8236 of file tempassembled.f90.

3.12.3.18 real(reki), dimension (:,::,:), allocatable fdwind::fdvdata [private]

Definition at line 8239 of file tempassembled.f90.

3.12.3.19 real(reki), dimension (:,::,:), allocatable fdwind::fdw [private]

Definition at line 8237 of file tempassembled.f90.

3.12.3.20 `real(reki), dimension (:,:,,:), allocatable fdwind::fdwdata [private]`

Definition at line 8240 of file tempassembled.f90.

3.12.3.21 `integer fdwind::ind4dadv [private]`

Definition at line 8267 of file tempassembled.f90.

3.12.3.22 `integer fdwind::ind4dnew [private]`

Definition at line 8268 of file tempassembled.f90.

3.12.3.23 `integer fdwind::ind4dold [private]`

Definition at line 8269 of file tempassembled.f90.

3.12.3.24 `logical save fdwind::initialized = .FALSE. [private]`

Definition at line 8290 of file tempassembled.f90.

3.12.3.25 `real(reki) fdwind::lx [private]`

Definition at line 8241 of file tempassembled.f90.

3.12.3.26 `real(reki) fdwind::ly [private]`

Definition at line 8242 of file tempassembled.f90.

3.12.3.27 `real(reki) fdwind::lz [private]`

Definition at line 8243 of file tempassembled.f90.

3.12.3.28 `integer fdwind::num4dt [private]`

Definition at line 8270 of file tempassembled.f90.

3.12.3.29 `integer parameter fdwind::num4dtd = 2 [private]`

Definition at line 8271 of file tempassembled.f90.

3.12.3.30 `integer fdwind::num4dx [private]`

Definition at line 8272 of file tempassembled.f90.

3.12.3.31 `integer fdwind::num4dxd [private]`

Definition at line 8273 of file tempassembled.f90.

3.12.3.32 `integer fdwind::num4dxd1 [private]`

Definition at line 8274 of file tempassembled.f90.

3.12.3.33 `integer fdwind::num4dy [private]`

Definition at line 8275 of file tempassembled.f90.

3.12.3.34 `integer fdwind::num4dyd [private]`

Definition at line 8276 of file tempassembled.f90.

3.12.3.35 `integer fdwind::num4dyd1 [private]`

Definition at line 8277 of file tempassembled.f90.

3.12.3.36 `integer fdwind::num4dz [private]`

Definition at line 8278 of file tempassembled.f90.

3.12.3.37 `integer fdwind::num4dzd [private]`

Definition at line 8279 of file tempassembled.f90.

3.12.3.38 `integer fdwind::num4dzd1 [private]`

Definition at line 8280 of file tempassembled.f90.

3.12.3.39 `integer fdwind::numadvect [private]`

Definition at line 8281 of file tempassembled.f90.

3.12.3.40 `real(reki), dimension (3) fdwind::offsets [private]`

Definition at line 8244 of file tempassembled.f90.

3.12.3.41 `real(reki), save fdwind::prevtime [private]`

Definition at line 8245 of file tempassembled.f90.

3.12.3.42 `real(reki) fdwind::rotdiam [private]`

Definition at line 8246 of file tempassembled.f90.

3.12.3.43 `real(reki) fdwind::scalevel [private]`

Definition at line 8248 of file tempassembled.f90.

3.12.3.44 `real(reki), dimension (3) fdwind::scalfact [private]`

Definition at line 8247 of file tempassembled.f90.

3.12.3.45 `integer fdwind::shft4dnew [private]`

Definition at line 8282 of file tempassembled.f90.

3.12.3.46 `real(reki) fdwind::t_4d_en [private]`

Definition at line 8252 of file tempassembled.f90.

3.12.3.47 `real(reki) fdwind::t_4d_st [private]`

Definition at line 8253 of file tempassembled.f90.

3.12.3.48 `real(reki), dimension (:), allocatable fdwind::times4d` [private]

Definition at line 8249 of file `tempassembled.f90`.

3.12.3.49 `integer, dimension (:), allocatable fdwind::times4dix` [private]

Definition at line 8283 of file `tempassembled.f90`.

3.12.3.50 `real(reki) fdwind::tm_max` [private]

Definition at line 8250 of file `tempassembled.f90`.

3.12.3.51 `real(reki) fdwind::tsclfact` [private]

Definition at line 8251 of file `tempassembled.f90`.

3.12.3.52 `logical fdwind::vertshft` [private]

Definition at line 8288 of file `tempassembled.f90`.

3.12.3.53 `real(reki) fdwind::xmax` [private]

Definition at line 8254 of file `tempassembled.f90`.

3.12.3.54 `real(reki) fdwind::xt` [private]

Definition at line 8255 of file `tempassembled.f90`.

3.12.3.55 `real(reki) fdwind::ymax` [private]

Definition at line 8256 of file `tempassembled.f90`.

3.12.3.56 `real(reki) fdwind::yt` [private]

Definition at line 8257 of file `tempassembled.f90`.

3.12.3.57 `real(reki) fdwind::zmax` [private]

Definition at line 8258 of file `tempassembled.f90`.

3.12.3.58 `real(reki) fdwind::zref` [private]

Definition at line 8260 of file `tempassembled.f90`.

3.12.3.59 `real(reki) fdwind::zt` [private]

Definition at line 8259 of file `tempassembled.f90`.

The documentation for this module was generated from the following file:

- [tempassembled.f90](#)

3.13 `ffwind::ff_getvalue` Interface Reference

Private Member Functions

- `real(reki)` function `ff_getvalue` (RVarName, ErrStat)

- `real(reki) function ff_getrvalue (RVarName, ErrStat)`
- `real(reki) function ff_getrvalue (RVarName, ErrStat)`
- `real(reki) function ff_getrvalue (RVarName, ErrStat)`

3.13.1 Detailed Description

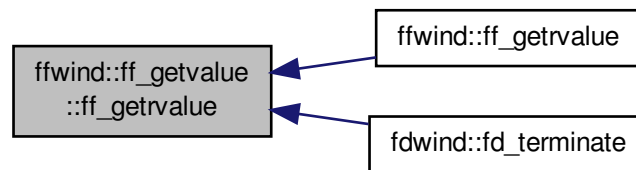
Definition at line 9523 of file `tempassembled.f90`.

3.13.2 Member Function/Subroutine Documentation

3.13.2.1 `real(reki) function ffwind::ff_getvalue::ff_getrvalue (character(*), intent(in) RVarName, integer, intent(out) ErrStat)`
`[private]`

Definition at line 11078 of file `tempassembled.f90`.

Here is the caller graph for this function:



3.13.2.2 `real(reki) function ffwind::ff_getvalue::ff_getrvalue (character(*), intent(in) RVarName, integer, intent(out) ErrStat)`
`[private]`

Definition at line 52700 of file `tempassembled.f90`.

3.13.2.3 `real(reki) function ffwind::ff_getvalue::ff_getrvalue (character(*), intent(in) RVarName, integer, intent(out) ErrStat)`
`[private]`

Definition at line 38818 of file `tempassembled.f90`.

3.13.2.4 `real(reki) function ffwind::ff_getvalue::ff_getrvalue (character(*), intent(in) RVarName, integer, intent(out) ErrStat)`
`[private]`

Definition at line 24948 of file `tempassembled.f90`.

The documentation for this interface was generated from the following file:

- [tempassembled.f90](#)

3.14 ffwind Module Reference

Data Types

- interface [ff_getvalue](#)

Public Member Functions

- subroutine, public [ff_init](#) (UnWind, BinFile, ErrStat)
- type(inflintrpout) function, public [ff_getwindspeed](#) (Time, InputPosition, ErrStat)
- subroutine, public [ff_terminate](#) (ErrStat)
- subroutine, public [ff_init](#) (UnWind, BinFile, ErrStat)
- type(inflintrpout) function, public [ff_getwindspeed](#) (Time, InputPosition, ErrStat)
- subroutine, public [ff_terminate](#) (ErrStat)
- subroutine, public [ff_init](#) (UnWind, BinFile, ErrStat)
- type(inflintrpout) function, public [ff_getwindspeed](#) (Time, InputPosition, ErrStat)
- subroutine, public [ff_terminate](#) (ErrStat)
- subroutine, public [ff_init](#) (UnWind, BinFile, ErrStat)
- type(inflintrpout) function, public [ff_getwindspeed](#) (Time, InputPosition, ErrStat)
- subroutine, public [ff_terminate](#) (ErrStat)

Private Member Functions

- subroutine [read_bladed_ff_header0](#) (UnWind, ErrStat)
- subroutine [read_bladed_ff_header1](#) (UnWind, TI, ErrStat)
- subroutine [read_bladed_grids](#) (UnWind, Cwise, TI, ErrStat)
- subroutine [read_summary_ff](#) (UnWind, FileName, Cwise, ZCenter, TI, ErrStat)
- subroutine [read_turbsim_ff](#) (UnWind, WindFile, ErrStat)
- subroutine [read_ff_tower](#) (UnWind, WindFile, ErrStat)
- real(reki) function [ff_getrvalue](#) (RVarName, ErrStat)
- real(reki) function, dimension(3) [ff_interp](#) (Time, Position, ErrStat)
- subroutine [read_bladed_ff_header0](#) (UnWind, ErrStat)
- subroutine [read_bladed_ff_header1](#) (UnWind, TI, ErrStat)
- subroutine [read_bladed_grids](#) (UnWind, Cwise, TI, ErrStat)
- subroutine [read_summary_ff](#) (UnWind, FileName, Cwise, ZCenter, TI, ErrStat)
- subroutine [read_turbsim_ff](#) (UnWind, WindFile, ErrStat)
- subroutine [read_ff_tower](#) (UnWind, WindFile, ErrStat)
- real(reki) function [ff_getrvalue](#) (RVarName, ErrStat)
- real(reki) function, dimension(3) [ff_interp](#) (Time, Position, ErrStat)
- subroutine [read_bladed_ff_header0](#) (UnWind, ErrStat)
- subroutine [read_bladed_ff_header1](#) (UnWind, TI, ErrStat)
- subroutine [read_bladed_grids](#) (UnWind, Cwise, TI, ErrStat)
- subroutine [read_summary_ff](#) (UnWind, FileName, Cwise, ZCenter, TI, ErrStat)
- subroutine [read_turbsim_ff](#) (UnWind, WindFile, ErrStat)
- subroutine [read_ff_tower](#) (UnWind, WindFile, ErrStat)
- real(reki) function [ff_getrvalue](#) (RVarName, ErrStat)
- real(reki) function, dimension(3) [ff_interp](#) (Time, Position, ErrStat)
- subroutine [read_bladed_ff_header0](#) (UnWind, ErrStat)
- subroutine [read_bladed_ff_header1](#) (UnWind, TI, ErrStat)
- subroutine [read_bladed_grids](#) (UnWind, Cwise, TI, ErrStat)
- subroutine [read_summary_ff](#) (UnWind, FileName, Cwise, ZCenter, TI, ErrStat)
- subroutine [read_turbsim_ff](#) (UnWind, WindFile, ErrStat)
- subroutine [read_ff_tower](#) (UnWind, WindFile, ErrStat)
- real(reki) function [ff_getrvalue](#) (RVarName, ErrStat)
- real(reki) function, dimension(3) [ff_interp](#) (Time, Position, ErrStat)

Private Attributes

- real(reki), dimension(:,:,:), allocatable `ffdata`
- real(reki), dimension(:,:,:), allocatable `fftower`
- real(reki) `ffdttime`
- real(reki) `ffrate`
- real(reki) `ffyhwid`
- real(reki) `ffzhwid`
- real(reki) `refht`
- real(reki) `gridbase`
- real(reki) `initxposition`
- real(reki) `invffyd`
- real(reki) `invffzd`
- real(reki) `invmffws`
- real(reki) `meanffws`
- real(reki) `totaltime`
- integer `nffcomp`
- integer `nffsteps`
- integer `nygrids`
- integer `nzgrids`
- integer `ntgrids`
- logical, save `initialized` = .FALSE.
- logical `periodic` = .FALSE.

3.14.1 Detailed Description

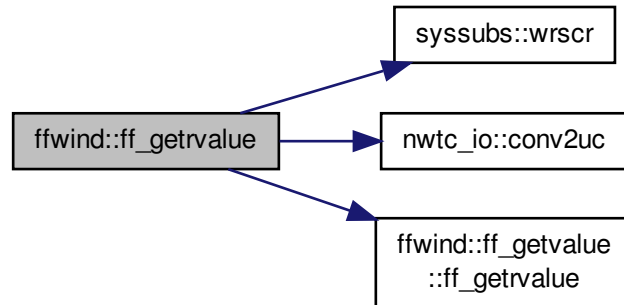
Definition at line 9475 of file `tempassembled.f90`.

3.14.2 Member Function/Subroutine Documentation

3.14.2.1 real(reki) function `ffwind::ff_getrvalue (character(*), intent(in) RVarName, integer, intent(out) ErrStat)` `[private]`

Definition at line 11078 of file `tempassembled.f90`.

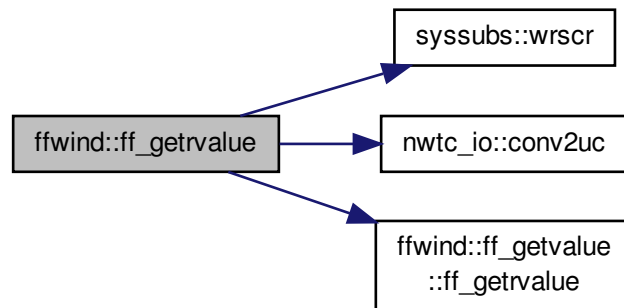
Here is the call graph for this function:



3.14.2.2 `real(reki) function ffwind::ff_getrvalue (character(*), intent(in) RVarName, integer, intent(out) ErrStat) [private]`

Definition at line 24948 of file `tempassembled.f90`.

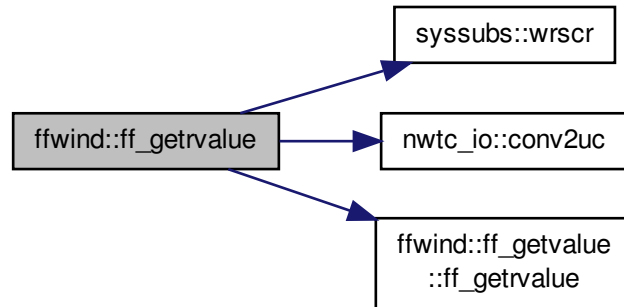
Here is the call graph for this function:



3.14.2.3 `real(reki) function ffwind::ff_getrvalue (character(*), intent(in) RVarName, integer, intent(out) ErrStat) [private]`

Definition at line 52700 of file `tempassembled.f90`.

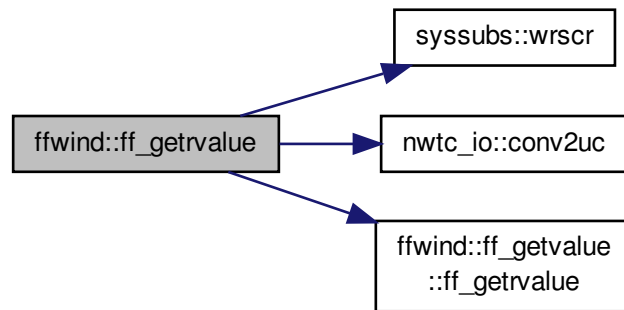
Here is the call graph for this function:



3.14.2.4 `real(reki)` function `ffwind::ff_getrvalue (character(*), intent(in) RVarName, integer, intent(out) ErrStat)` [private]

Definition at line 38818 of file `tempassembled.f90`.

Here is the call graph for this function:



3.14.2.5 `type(inflintrpout)` function, public `ffwind::ff_getwindspeed (real(reki), intent(in) Time, real(reki), dimension(3), intent(in) InputPosition, integer, intent(out) ErrStat)`

Definition at line 11133 of file `tempassembled.f90`.

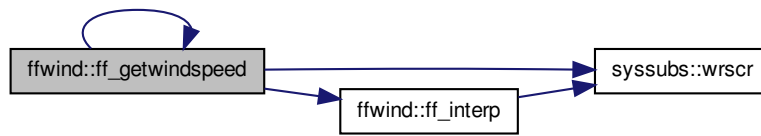
Here is the call graph for this function:



3.14.2.8 `type(inflintrpout) function, public ffwind::ff_getwindspeed (real(reki), intent(in) Time, real(reki), dimension(3), intent(in) InputPosition, integer, intent(out) ErrStat)`

Definition at line 38873 of file `tempassembled.f90`.

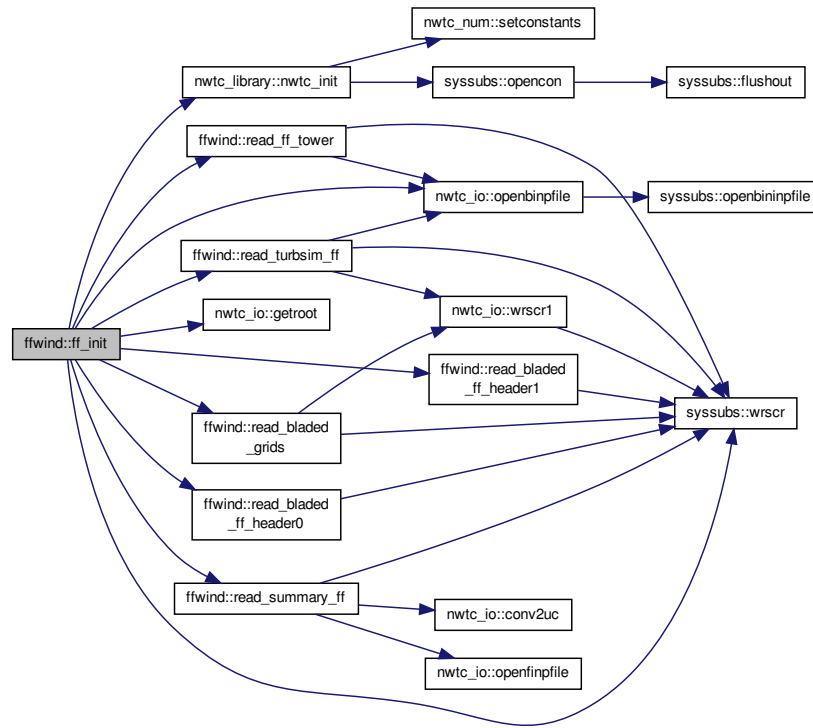
Here is the call graph for this function:



3.14.2.9 `subroutine, public ffwind::ff_init (integer, intent(in) UnWind, character(*), intent(in) BinFile, integer, intent(out) ErrStat)`

Definition at line 51157 of file `tempassembled.f90`.

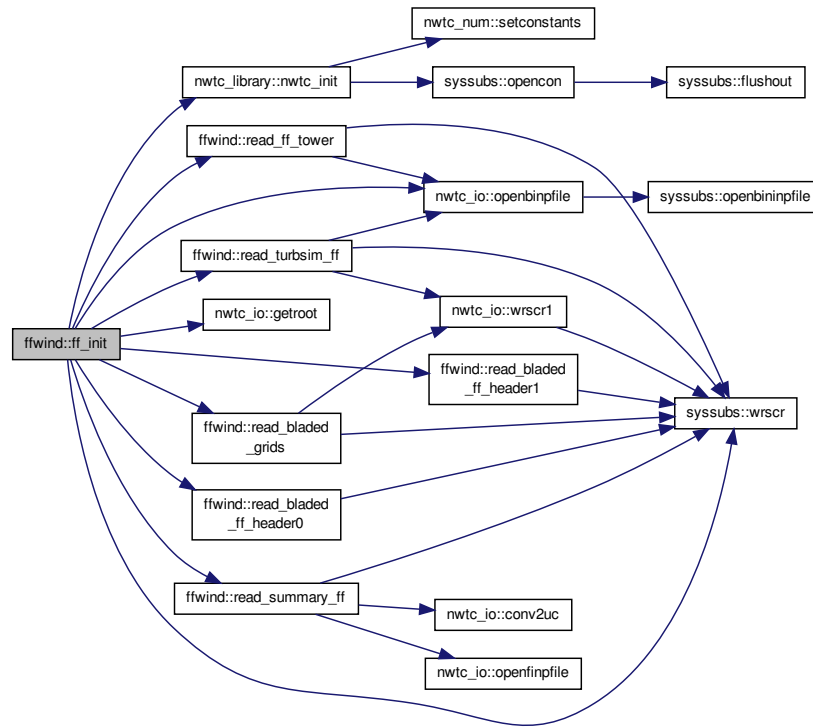
Here is the call graph for this function:



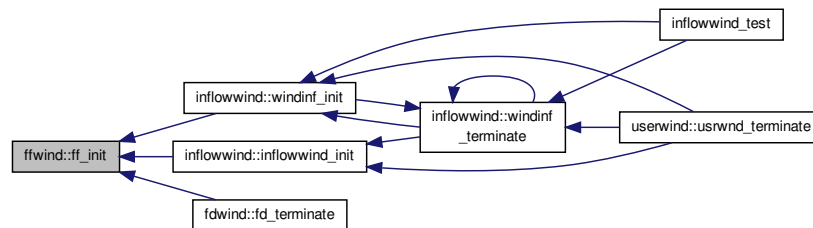
3.14.2.10 subroutine, public `ffwind::ff_init (integer, intent(in) UnWind, character(*), intent(in) BinFile, integer, intent(out) ErrStat)`

Definition at line 9535 of file `tempassembled.f90`.

Here is the call graph for this function:



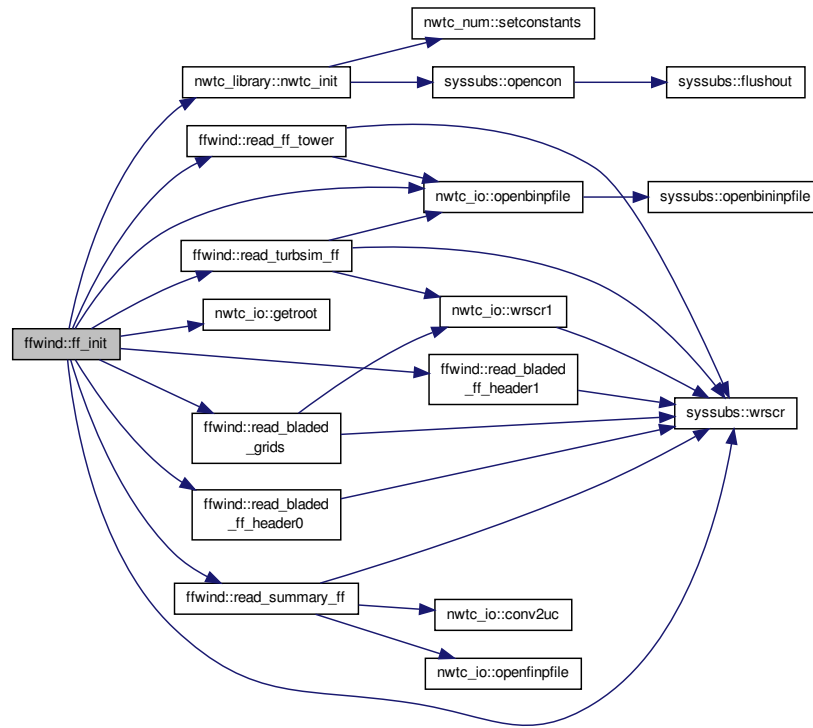
Here is the caller graph for this function:



3.14.2.11 subroutine, public ffwind::ff_init (integer, intent(in) *UnWind*, character(*), intent(in) *BinFile*, integer, intent(out) *ErrStat*)

Definition at line 37275 of file tempassembled.f90.

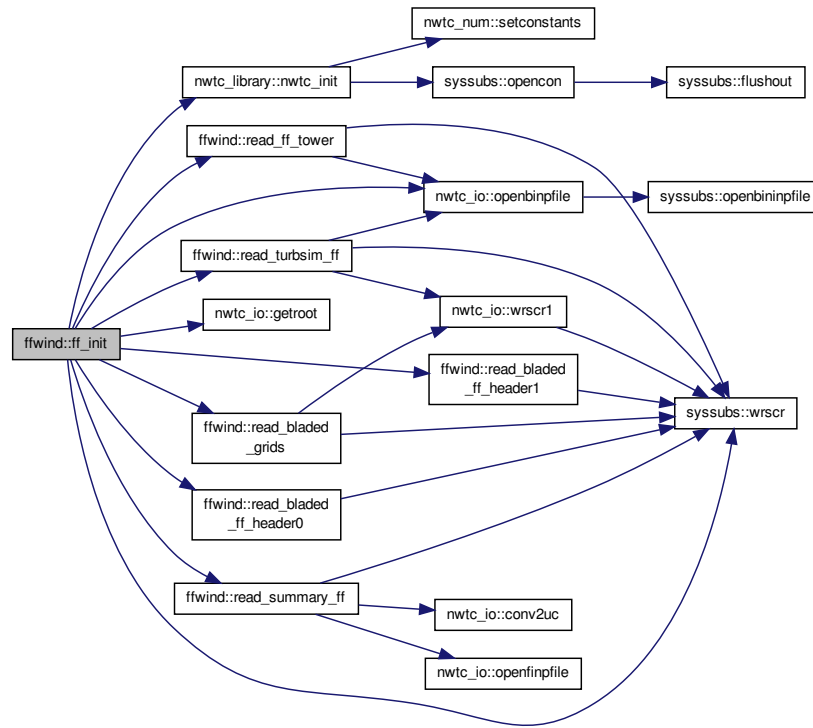
Here is the call graph for this function:



3.14.2.12 subroutine, public `ffwind::ff_init (integer, intent(in) UnWind, character(*), intent(in) BinFile, integer, intent(out) ErrStat)`

Definition at line 23405 of file `tempassembled.f90`.

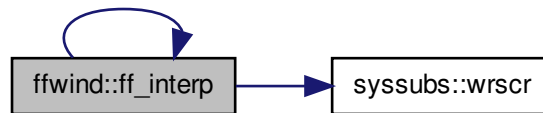
Here is the call graph for this function:



3.14.2.13 `real(reki) function, dimension(3) ffwind::ff_interp (real(reki), intent(in) Time, real(reki), dimension(3), intent(in) Position, integer, intent(out) ErrStat) [private]`

Definition at line 52817 of file `tempassembled.f90`.

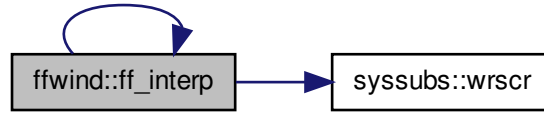
Here is the call graph for this function:



3.14.2.14 `real(reki) function, dimension(3) ffwind::ff_interp (real(reki), intent(in) Time, real(reki), dimension(3), intent(in) Position, integer, intent(out) ErrStat) [private]`

Definition at line 38935 of file `tempassembled.f90`.

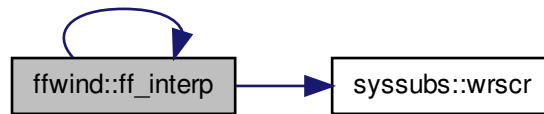
Here is the call graph for this function:



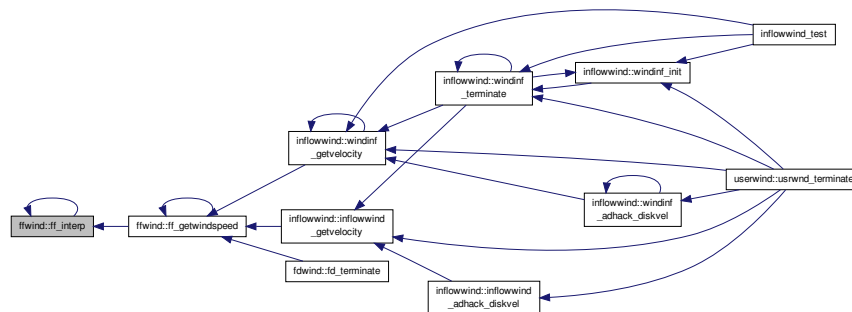
3.14.2.15 `real(reki) function, dimension(3) ffwind::ff_interp (real(reki), intent(in) Time, real(reki), dimension(3), intent(in) Position, integer, intent(out) ErrStat) [private]`

Definition at line 11195 of file `tempassembled.f90`.

Here is the call graph for this function:



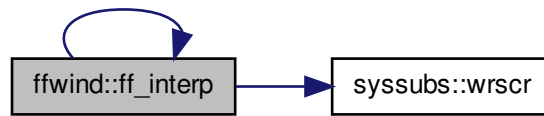
Here is the caller graph for this function:



3.14.2.16 `real(reki) function, dimension(3) ffwind::ff_interp (real(reki), intent(in) Time, real(reki), dimension(3), intent(in) Position, integer, intent(out) ErrStat) [private]`

Definition at line 25065 of file `tempassembled.f90`.

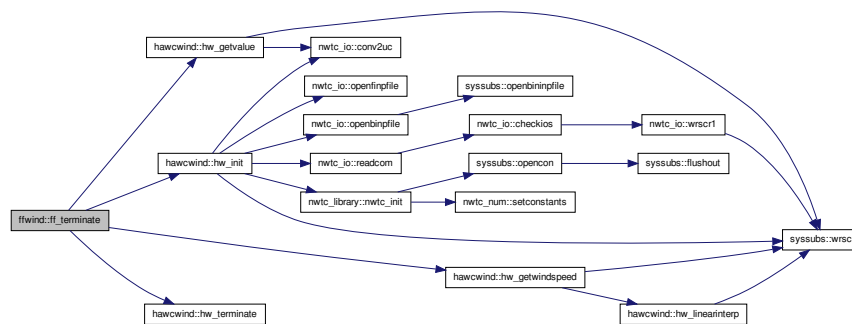
Here is the call graph for this function:



3.14.2.17 subroutine, public `ffwind::ff_terminate (integer, intent(out) ErrStat)`

Definition at line 39236 of file `tempassembled.f90`.

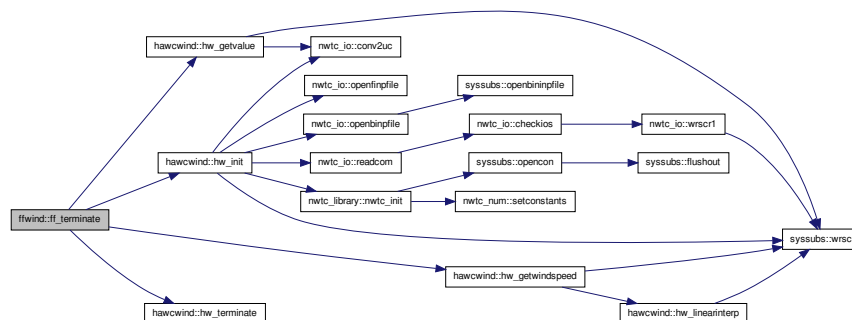
Here is the call graph for this function:



3.14.2.18 subroutine, public `ffwind::ff_terminate (integer, intent(out) ErrStat)`

Definition at line 25366 of file `tempassembled.f90`.

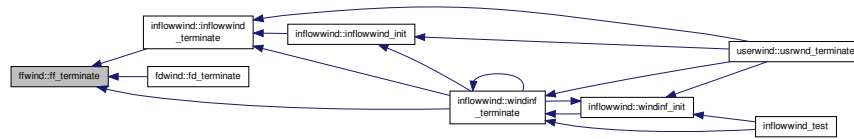
Here is the call graph for this function:



3.14.2.19 subroutine, public ffwind::ff_terminate (integer, intent(out) *ErrStat*)

Definition at line 11496 of file tempassembled.f90.

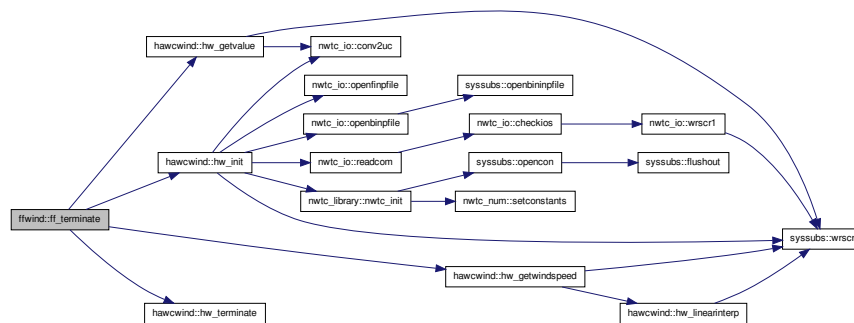
Here is the caller graph for this function:



3.14.2.20 subroutine, public ffwind::ff_terminate (integer, intent(out) *ErrStat*)

Definition at line 53118 of file tempassembled.f90.

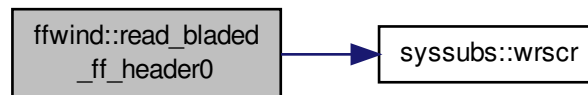
Here is the call graph for this function:



3.14.2.21 subroutine ffwind::read_bladed_ff_header0 (integer, intent(in) *UnWind*, integer, intent(out) *ErrStat*) [private]

Definition at line 51337 of file tempassembled.f90.

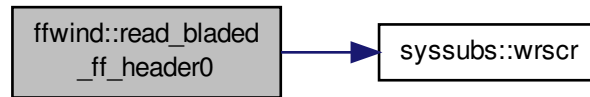
Here is the call graph for this function:



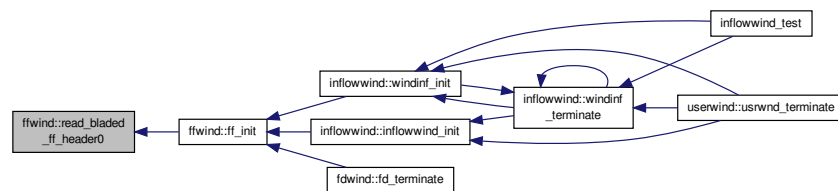
3.14.2.22 subroutine ffwind::read_bladed_ff_header0 (integer, intent(in) *UnWind*, integer, intent(out) *ErrStat*) [private]

Definition at line 9715 of file tempassembled.f90.

Here is the call graph for this function:



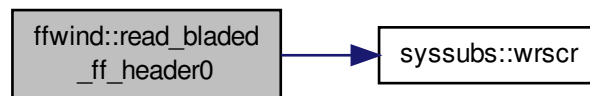
Here is the caller graph for this function:



3.14.2.23 subroutine ffwind::read_bladed_ff_header0 (integer, intent(in) *UnWind*, integer, intent(out) *ErrStat*) [private]

Definition at line 23585 of file tempassembled.f90.

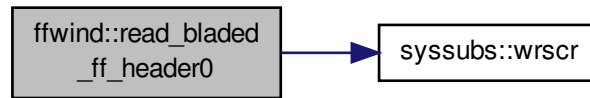
Here is the call graph for this function:



3.14.2.24 subroutine ffwind::read_bladed_ff_header0 (integer, intent(in) *UnWind*, integer, intent(out) *ErrStat*) [private]

Definition at line 37455 of file tempassembled.f90.

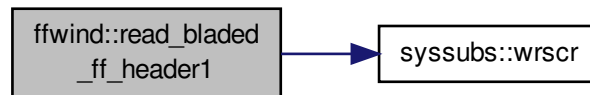
Here is the call graph for this function:



3.14.2.25 subroutine `ffwind::read_bladed_ff_header1` (integer, intent(in) *UnWind*, real(reki), dimension(3), intent(out) *TI*, integer, intent(out) *ErrStat*) [private]

Definition at line 51477 of file `tempassembled.f90`.

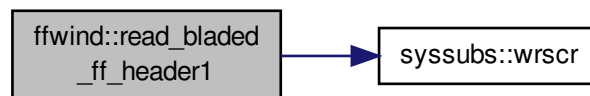
Here is the call graph for this function:



3.14.2.26 subroutine `ffwind::read_bladed_ff_header1` (integer, intent(in) *UnWind*, real(reki), dimension(3), intent(out) *TI*, integer, intent(out) *ErrStat*) [private]

Definition at line 37595 of file `tempassembled.f90`.

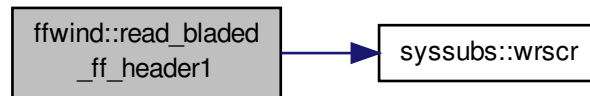
Here is the call graph for this function:



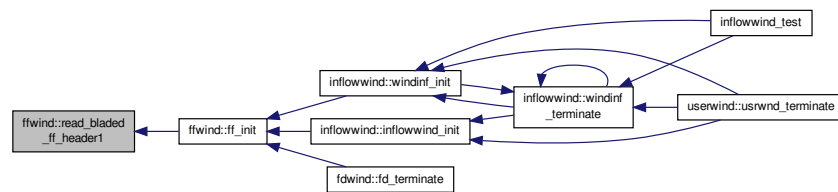
3.14.2.27 subroutine `ffwind::read_bladed_ff_header1` (integer, intent(in) *UnWind*, real(reki), dimension(3), intent(out) *TI*, integer, intent(out) *ErrStat*) [private]

Definition at line 9855 of file `tempassembled.f90`.

Here is the call graph for this function:



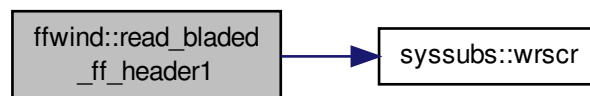
Here is the caller graph for this function:



3.14.2.28 subroutine `ffwind::read_bladed_ff_header1` (integer, intent(in) *UnWind*, real(reki), dimension(3), intent(out) *TI*, integer, intent(out) *ErrStat*) [private]

Definition at line 23725 of file `tempassembled.f90`.

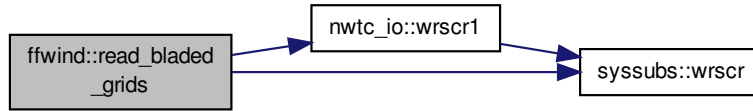
Here is the call graph for this function:



3.14.2.29 subroutine `ffwind::read_bladed_grids` (integer, intent(in) *UnWind*, logical, intent(in) *CWise*, real(reki), dimension (3), intent(in) *TI*, integer, intent(out) *ErrStat*) [private]

Definition at line 51817 of file `tempassembled.f90`.

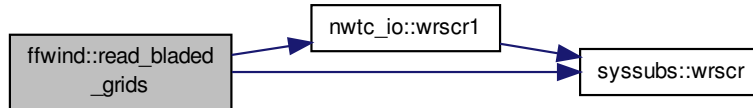
Here is the call graph for this function:



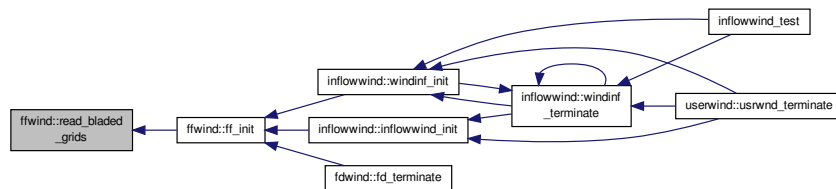
3.14.2.30 subroutine `ffwind::read_bladed_grids` (integer, intent(in) *UnWind*, logical, intent(in) *CWise*, real(reki), dimension (3), intent(in) *Tl*, integer, intent(out) *ErrStat*) [private]

Definition at line 10195 of file `tempassembled.f90`.

Here is the call graph for this function:



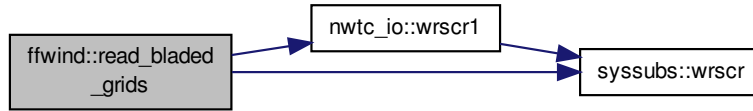
Here is the caller graph for this function:



3.14.2.31 subroutine `ffwind::read_bladed_grids` (integer, intent(in) *UnWind*, logical, intent(in) *CWise*, real(reki), dimension (3), intent(in) *Tl*, integer, intent(out) *ErrStat*) [private]

Definition at line 37935 of file `tempassembled.f90`.

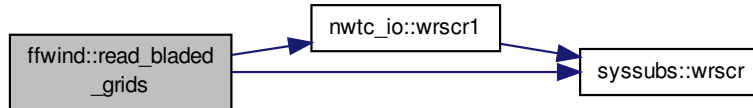
Here is the call graph for this function:



3.14.2.32 subroutine `ffwind::read_bladed_grids` (integer, intent(in) *UnWind*, logical, intent(in) *CWise*, real(reki), dimension (3), intent(in) *Tl*, integer, intent(out) *ErrStat*) [private]

Definition at line 24065 of file `tempassembled.f90`.

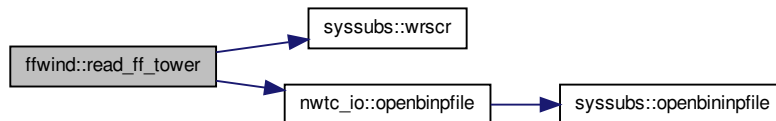
Here is the call graph for this function:



3.14.2.33 subroutine `ffwind::read_ff_tower` (integer, intent(in) *UnWind*, character(*), intent(in) *WindFile*, integer, intent(out) *ErrStat*) [private]

Definition at line 52495 of file `tempassembled.f90`.

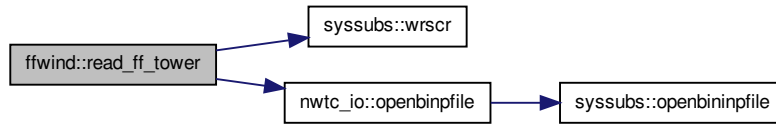
Here is the call graph for this function:



3.14.2.34 subroutine `ffwind::read_ff_tower` (integer, intent(in) *UnWind*, character(*), intent(in) *WindFile*, integer, intent(out) *ErrStat*) [private]

Definition at line 24743 of file `tempassembled.f90`.

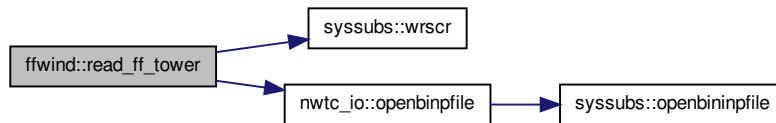
Here is the call graph for this function:



3.14.2.35 subroutine `ffwind::read_ff_tower` (integer, intent(in) *UnWind*, character(*), intent(in) *WindFile*, integer, intent(out) *ErrStat*) [private]

Definition at line 38613 of file `tempassembled.f90`.

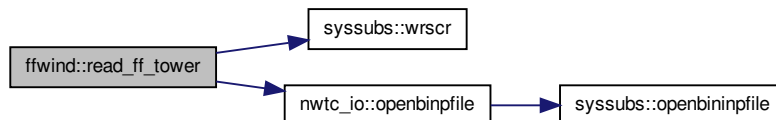
Here is the call graph for this function:



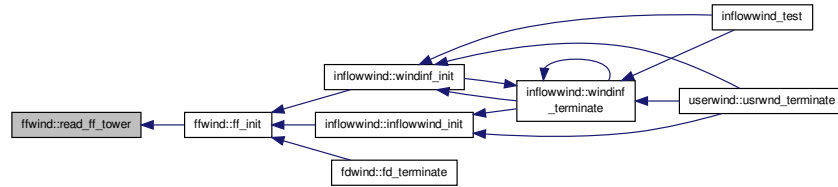
3.14.2.36 subroutine `ffwind::read_ff_tower` (integer, intent(in) *UnWind*, character(*), intent(in) *WindFile*, integer, intent(out) *ErrStat*) [private]

Definition at line 10873 of file `tempassembled.f90`.

Here is the call graph for this function:



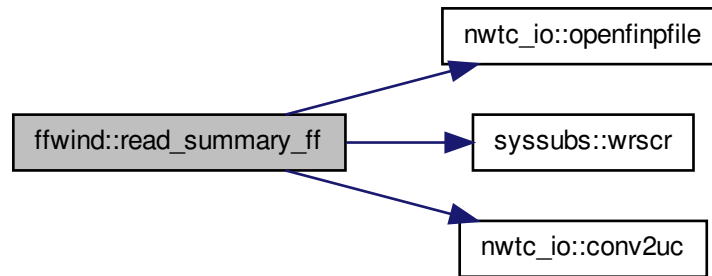
Here is the caller graph for this function:



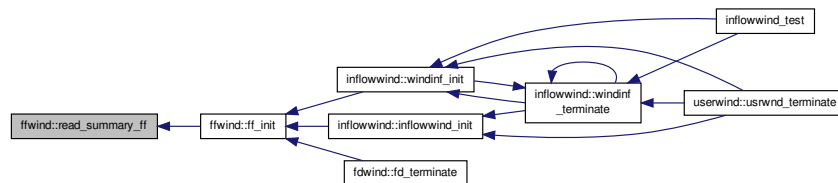
3.14.2.37 subroutine `ffwind::read_summary_ff` (integer, intent(in) *UnWind*, character(*), intent(in) *FileName*, logical, intent(out) *CWise*, real(reki), intent(out) *ZCenter*, real(reki), dimension (3), intent(out) *TI*, integer, intent(out) *ErrStat*)
[private]

Definition at line 10333 of file `tempassembled.f90`.

Here is the call graph for this function:



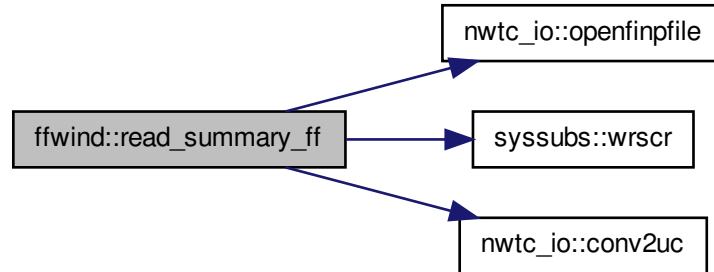
Here is the caller graph for this function:



3.14.2.38 subroutine ffwind::read_summary_ff (integer, intent(in) *UnWind*, character(*), intent(in) *FileName*, logical, intent(out) *CWise*, real(reki), intent(out) *ZCenter*, real(reki), dimension (3), intent(out) *TI*, integer, intent(out) *ErrStat*)
[private]

Definition at line 51955 of file tempassembled.f90.

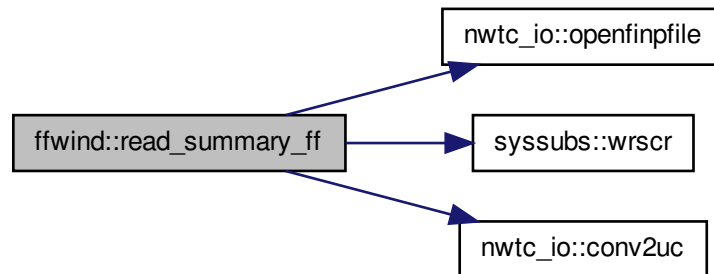
Here is the call graph for this function:



3.14.2.39 subroutine ffwind::read_summary_ff (integer, intent(in) *UnWind*, character(*), intent(in) *FileName*, logical, intent(out) *CWise*, real(reki), intent(out) *ZCenter*, real(reki), dimension (3), intent(out) *TI*, integer, intent(out) *ErrStat*)
[private]

Definition at line 38073 of file tempassembled.f90.

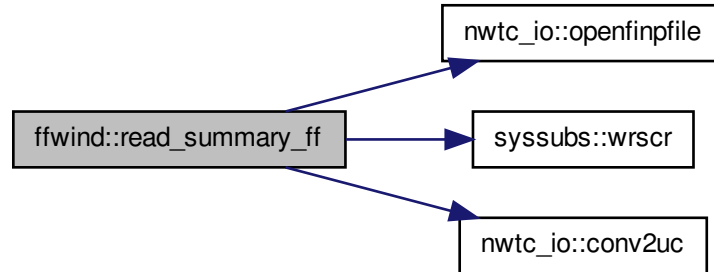
Here is the call graph for this function:



3.14.2.40 subroutine `ffwind::read_summary_ff` (integer, intent(in) *UnWind*, character(*), intent(in) *FileName*, logical, intent(out) *CWise*, real(reki), intent(out) *ZCenter*, real(reki), dimension (3), intent(out) *TI*, integer, intent(out) *ErrStat*)
[private]

Definition at line 24203 of file `tempassembled.f90`.

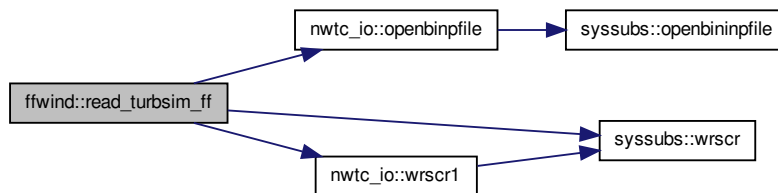
Here is the call graph for this function:



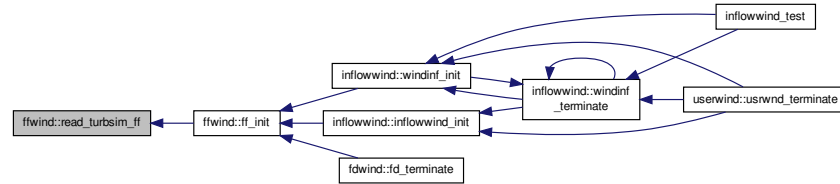
3.14.2.41 subroutine `ffwind::read_turbsim_ff` (integer, intent(in) *UnWind*, character(*), intent(in) *WindFile*, integer, intent(out) *ErrStat*) [private]

Definition at line 10567 of file `tempassembled.f90`.

Here is the call graph for this function:



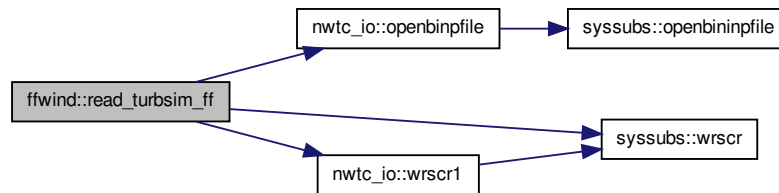
Here is the caller graph for this function:



3.14.2.42 subroutine `ffwind::read_turbsim_ff` (integer, intent(in) *UnWind*, character(*), intent(in) *WindFile*, integer, intent(out) *ErrStat*) [private]

Definition at line 24437 of file `tempassembled.f90`.

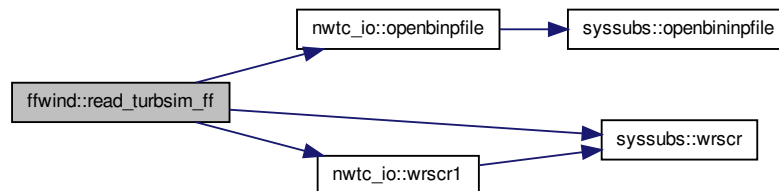
Here is the call graph for this function:



3.14.2.43 subroutine `ffwind::read_turbsim_ff` (integer, intent(in) *UnWind*, character(*), intent(in) *WindFile*, integer, intent(out) *ErrStat*) [private]

Definition at line 52189 of file `tempassembled.f90`.

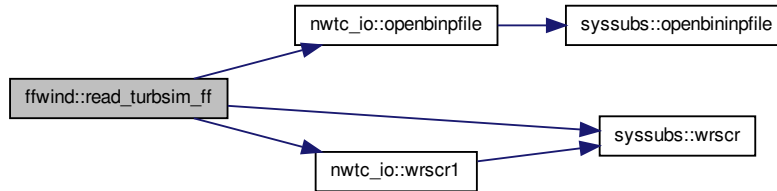
Here is the call graph for this function:



3.14.2.44 subroutine `ffwind::read_turbsim_ff` (integer, intent(in) *UnWind*, character(*), intent(in) *WindFile*, integer, intent(out) *ErrStat*) [private]

Definition at line 38307 of file `tempassembled.f90`.

Here is the call graph for this function:



3.14.3 Member Data Documentation

3.14.3.1 `real(reki), dimension (:,:,,:), allocatable ffwind::ffdata` [private]

Definition at line 9497 of file `tempassembled.f90`.

3.14.3.2 `real(reki) ffwind::ffdtype` [private]

Definition at line 9500 of file `tempassembled.f90`.

3.14.3.3 `real(reki) ffwind::ffrate` [private]

Definition at line 9501 of file `tempassembled.f90`.

3.14.3.4 `real(reki), dimension (:,:,), allocatable ffwind::fftower` [private]

Definition at line 9498 of file `tempassembled.f90`.

3.14.3.5 `real(reki) ffwind::ffyhwid` [private]

Definition at line 9502 of file `tempassembled.f90`.

3.14.3.6 `real(reki) ffwind::ffzhwid` [private]

Definition at line 9503 of file `tempassembled.f90`.

3.14.3.7 `real(reki) ffwind::gridbase` [private]

Definition at line 9505 of file `tempassembled.f90`.

3.14.3.8 `logical save ffwind::initialized = .FALSE.` [private]

Definition at line 9519 of file `tempassembled.f90`.

3.14.3.9 `real(reki) ffwind::initxposition` [private]

Definition at line 9506 of file `tempassembled.f90`.

3.14.3.10 `real(reki) ffwind::invffyd [private]`

Definition at line 9507 of file `tempassembled.f90`.

3.14.3.11 `real(reki) ffwind::invffzd [private]`

Definition at line 9508 of file `tempassembled.f90`.

3.14.3.12 `real(reki) ffwind::invmfws [private]`

Definition at line 9509 of file `tempassembled.f90`.

3.14.3.13 `real(reki) ffwind::meanffws [private]`

Definition at line 9510 of file `tempassembled.f90`.

3.14.3.14 `integer ffwind::nffcomp [private]`

Definition at line 9513 of file `tempassembled.f90`.

3.14.3.15 `integer ffwind::nffsteps [private]`

Definition at line 9514 of file `tempassembled.f90`.

3.14.3.16 `integer ffwind::ntgrids [private]`

Definition at line 9517 of file `tempassembled.f90`.

3.14.3.17 `integer ffwind::nygrids [private]`

Definition at line 9515 of file `tempassembled.f90`.

3.14.3.18 `integer ffwind::nzgrids [private]`

Definition at line 9516 of file `tempassembled.f90`.

3.14.3.19 `logical ffwind::periodic = .FALSE. [private]`

Definition at line 9520 of file `tempassembled.f90`.

3.14.3.20 `real(reki) ffwind::refht [private]`

Definition at line 9504 of file `tempassembled.f90`.

3.14.3.21 `real(reki) ffwind::totaltime [private]`

Definition at line 9511 of file `tempassembled.f90`.

The documentation for this module was generated from the following file:

- [tempassembled.f90](#)

3.15 hawcwind Module Reference

Public Member Functions

- subroutine, public [hw_init](#) (UnWind, InpFileName, ErrStat)

- real(reki) function, public [hw_getvalue](#) (RVarName, ErrStat)
- type(inflintrpout) function, public [hw_getwindspeed](#) (Time, InputPosition, ErrStat)
- subroutine, public [hw_terminate](#) (ErrStat)
- subroutine, public [hw_init](#) (UnWind, InpFileName, ErrStat)
- real(reki) function, public [hw_getvalue](#) (RVarName, ErrStat)
- type(inflintrpout) function, public [hw_getwindspeed](#) (Time, InputPosition, ErrStat)
- subroutine, public [hw_terminate](#) (ErrStat)
- subroutine, public [hw_init](#) (UnWind, InpFileName, ErrStat)
- real(reki) function, public [hw_getvalue](#) (RVarName, ErrStat)
- type(inflintrpout) function, public [hw_getwindspeed](#) (Time, InputPosition, ErrStat)
- subroutine, public [hw_terminate](#) (ErrStat)
- subroutine, public [hw_init](#) (UnWind, InpFileName, ErrStat)
- real(reki) function, public [hw_getvalue](#) (RVarName, ErrStat)
- type(inflintrpout) function, public [hw_getwindspeed](#) (Time, InputPosition, ErrStat)
- subroutine, public [hw_terminate](#) (ErrStat)

Private Member Functions

- real(reki) function, dimension(3) [hw_linearinterp](#) (Time, Position, ErrStat)
- real(reki) function, dimension(3) [hw_linearinterp](#) (Time, Position, ErrStat)
- real(reki) function, dimension(3) [hw_linearinterp](#) (Time, Position, ErrStat)
- real(reki) function, dimension(3) [hw_linearinterp](#) (Time, Position, ErrStat)

Private Attributes

- real(reki), dimension(:,:,:), allocatable [winddata](#)
- real(reki) [deltaxinv](#)
- real(reki) [deltayinv](#)
- real(reki) [deltazinv](#)
- integer, parameter [nc](#) = 3
- integer [nx](#)
- integer [ny](#)
- integer [nz](#)
- real(reki) [gridbase](#)
- real(reki) [lengthx](#)
- real(reki) [lengthyhalf](#)
- real(reki) [refht](#)
- real(reki) [uref](#)
- logical, save [initialized](#) = .FALSE.

3.15.1 Detailed Description

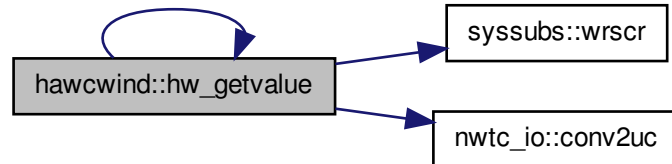
Definition at line 11515 of file tempassembled.f90.

3.15.2 Member Function/Subroutine Documentation

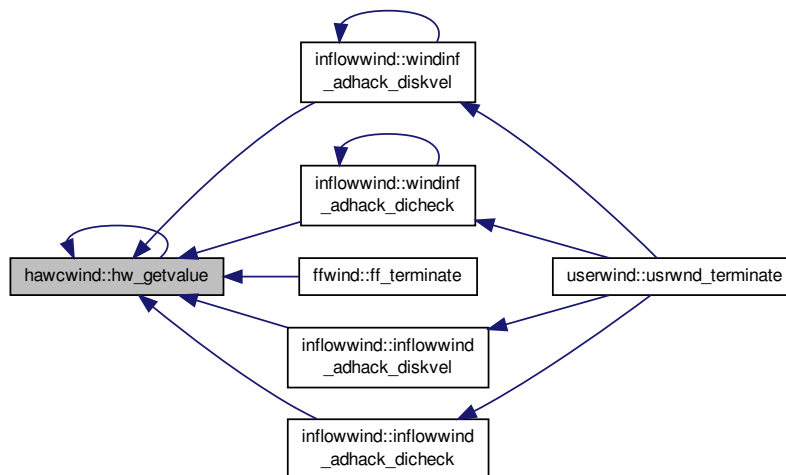
3.15.2.1 `real(reki)` function, public `hawcwind::hw_getvalue (character(*), intent(in) RVarName, integer, intent(out) ErrStat)`

Definition at line 11884 of file `tempassembled.f90`.

Here is the call graph for this function:

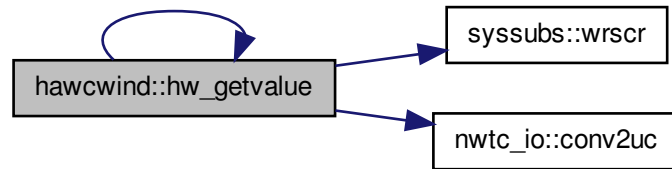


Here is the caller graph for this function:

3.15.2.2 `real(reki)` function, public `hawcwind::hw_getvalue (character(*), intent(in) RVarName, integer, intent(out) ErrStat)`

Definition at line 53506 of file `tempassembled.f90`.

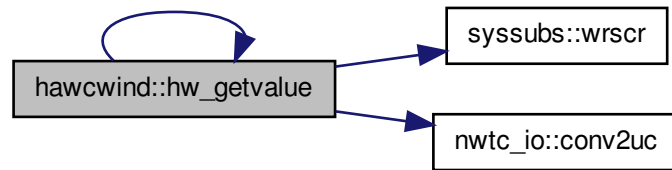
Here is the call graph for this function:



3.15.2.3 `real(reki)` function, public `hawcwind::hw_getvalue (character(*), intent(in) RVarName, integer, intent(out) ErrStat)`

Definition at line 25754 of file `tempassembled.f90`.

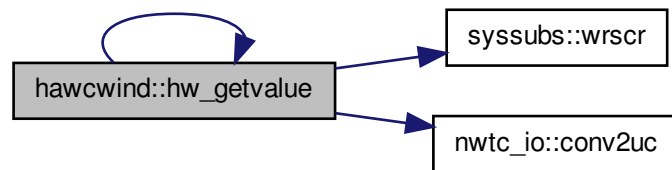
Here is the call graph for this function:



3.15.2.4 `real(reki)` function, public `hawcwind::hw_getvalue (character(*), intent(in) RVarName, integer, intent(out) ErrStat)`

Definition at line 39624 of file `tempassembled.f90`.

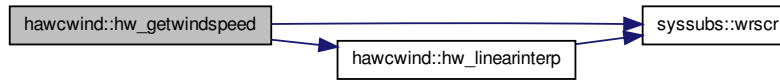
Here is the call graph for this function:



3.15.2.5 `type(inflintrpout) function, public hawcwind::hw_getwindspeed (real(reki), intent(in) Time, real(reki), dimension(3), intent(in) InputPosition, integer, intent(out) ErrStat)`

Definition at line 25809 of file `tempassembled.f90`.

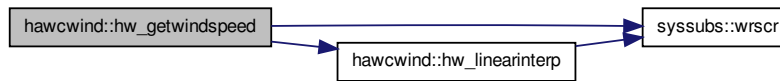
Here is the call graph for this function:



3.15.2.6 `type(inflintrpout) function, public hawcwind::hw_getwindspeed (real(reki), intent(in) Time, real(reki), dimension(3), intent(in) InputPosition, integer, intent(out) ErrStat)`

Definition at line 53561 of file `tempassembled.f90`.

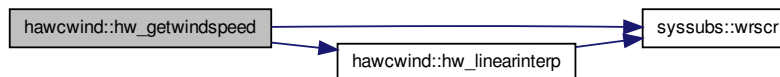
Here is the call graph for this function:



3.15.2.7 `type(inflintrpout) function, public hawcwind::hw_getwindspeed (real(reki), intent(in) Time, real(reki), dimension(3), intent(in) InputPosition, integer, intent(out) ErrStat)`

Definition at line 39679 of file `tempassembled.f90`.

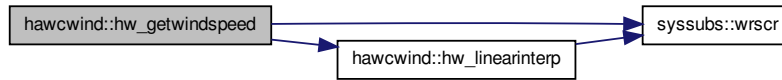
Here is the call graph for this function:



3.15.2.8 `type(inflintrpout) function, public hawcwind::hw_getwindspeed (real(reki), intent(in) Time, real(reki), dimension(3), intent(in) InputPosition, integer, intent(out) ErrStat)`

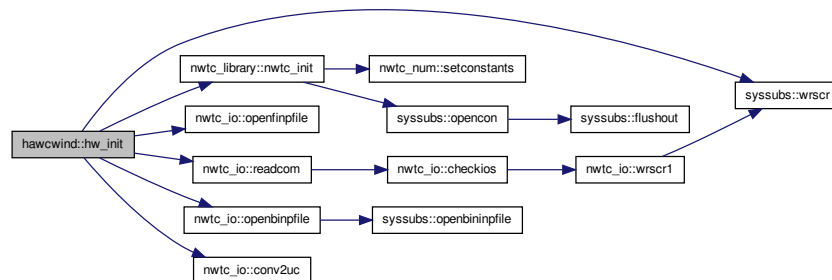
Definition at line 11939 of file `tempassembled.f90`.

Here is the caller graph for this function:



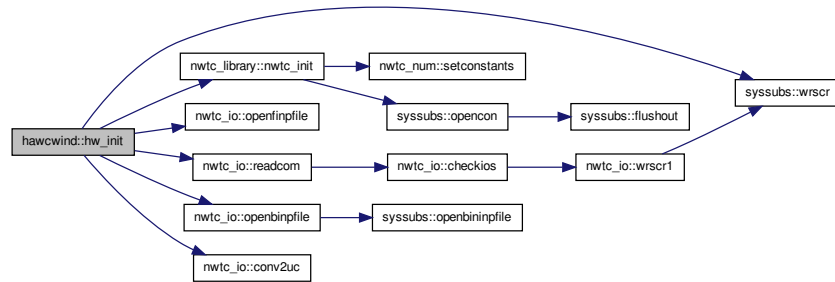
```
3.15.2.9  subroutine, public hawcwind::hw_init ( integer, intent(in) UnWind, character(*), intent(in) InpFileName, integer, intent(out) ErrStat )
```

Here is the call graph for this function:

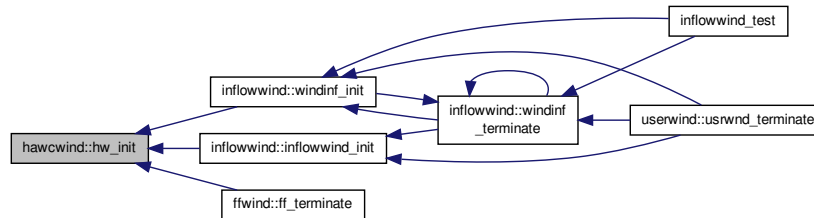


Definition at line 11563 of file tempassembled.f90.

Here is the call graph for this function:



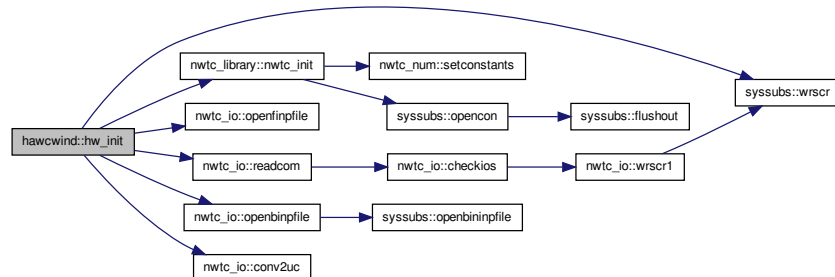
Here is the caller graph for this function:



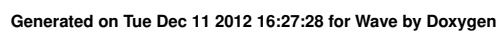
3.15.2.11 subroutine, public hawcwind::hw_init (integer, intent(in) *UnWind*, character(*), intent(in) *InpFileName*, integer, intent(out) *ErrStat*)

Definition at line 39303 of file tempassembled.f90.

Here is the call graph for this function:



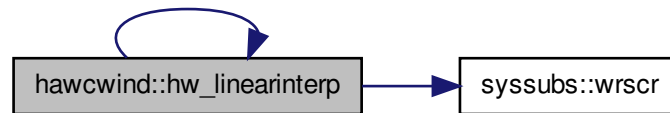
Here is the call graph for this function:



3.15.2.14 `real(reki) function, dimension(3) hawcwind::hw_linearinterp (real(reki), intent(in) Time, real(reki), dimension(3), intent(in) Position, integer, intent(out) ErrStat) [private]`

Definition at line 25843 of file tempassembled.f90.

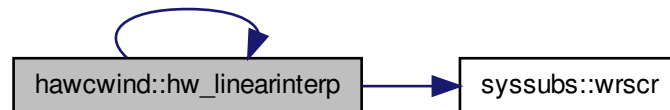
Here is the call graph for this function:



3.15.2.15 `real(reki) function, dimension(3) hawcwind::hw_linearinterp (real(reki), intent(in) Time, real(reki), dimension(3), intent(in) Position, integer, intent(out) ErrStat) [private]`

Definition at line 39713 of file tempassembled.f90.

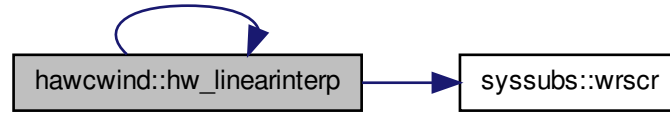
Here is the call graph for this function:



3.15.2.16 `real(reki) function, dimension(3) hawcwind::hw_linearinterp (real(reki), intent(in) Time, real(reki), dimension(3), intent(in) Position, integer, intent(out) ErrStat) [private]`

Definition at line 53595 of file tempassembled.f90.

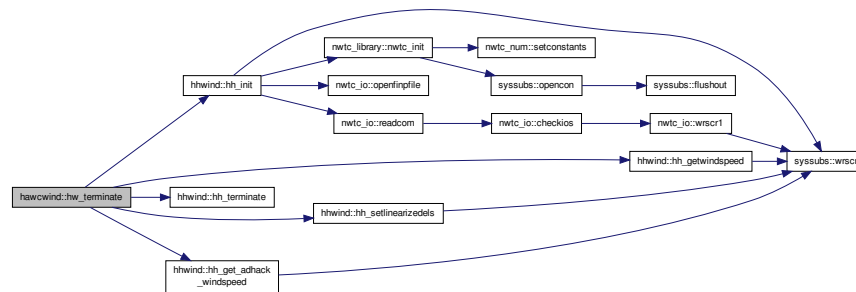
Here is the call graph for this function:



3.15.2.17 subroutine, public hawcwind::hw_terminate (integer, intent(out) ErrStat)

Definition at line 53800 of file tempassembled.f90.

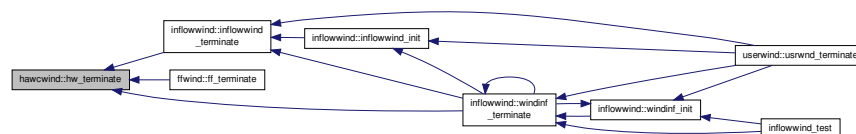
Here is the call graph for this function:



3.15.2.18 subroutine, public hawcwind::hw_terminate (integer, intent(out) ErrStat)

Definition at line 12178 of file tempassembled.f90.

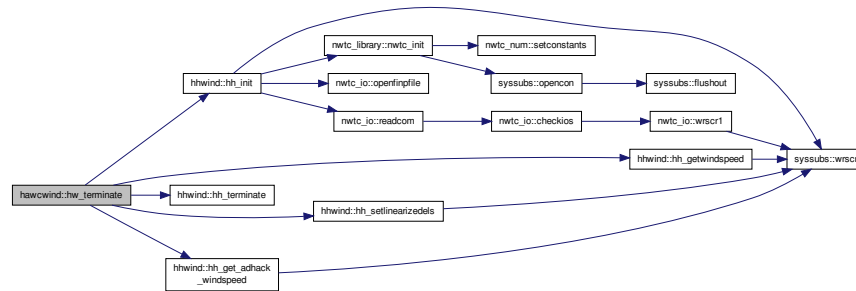
Here is the caller graph for this function:



3.15.2.19 subroutine, public hawcwind::hw_terminate (integer, intent(out) ErrStat)

Definition at line 26048 of file tempassembled.f90.

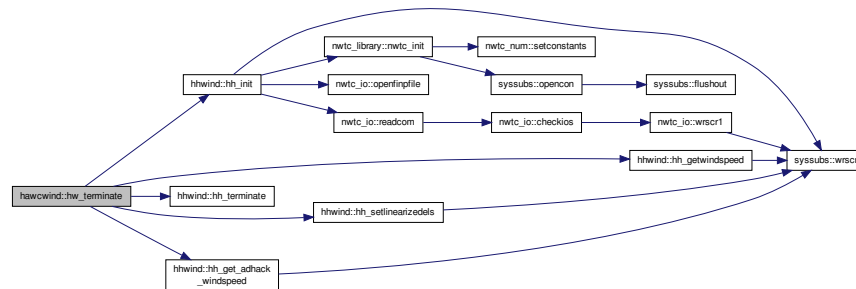
Here is the call graph for this function:



3.15.2.20 subroutine, public hawcwind::hw_terminate (integer, intent(out) ErrStat)

Definition at line 39918 of file tempassembled.f90.

Here is the call graph for this function:



3.15.3 Member Data Documentation

3.15.3.1 real(reki) hawcwind::deltaxinv [private]

Definition at line 11537 of file tempassembled.f90.

3.15.3.2 real(reki) hawcwind::deltayinv [private]

Definition at line 11538 of file tempassembled.f90.

3.15.3.3 real(reki) hawcwind::deltazinv [private]

Definition at line 11539 of file tempassembled.f90.

3.15.3.4 real(reki) hawcwind::gridbase [private]

Definition at line 11546 of file tempassembled.f90.

3.15.3.5 `logical save hhwind::initialized = .FALSE.` [private]

Definition at line 11553 of file `tempassembled.f90`.

3.15.3.6 `real(reki) hhwind::lengthx` [private]

Definition at line 11547 of file `tempassembled.f90`.

3.15.3.7 `real(reki) hhwind::lengthyhalf` [private]

Definition at line 11548 of file `tempassembled.f90`.

3.15.3.8 `integer parameter hhwind::nc = 3` [private]

Definition at line 11541 of file `tempassembled.f90`.

3.15.3.9 `integer hhwind::nx` [private]

Definition at line 11542 of file `tempassembled.f90`.

3.15.3.10 `integer hhwind::ny` [private]

Definition at line 11543 of file `tempassembled.f90`.

3.15.3.11 `integer hhwind::nz` [private]

Definition at line 11544 of file `tempassembled.f90`.

3.15.3.12 `real(reki) hhwind::refht` [private]

Definition at line 11549 of file `tempassembled.f90`.

3.15.3.13 `real(reki) hhwind::uref` [private]

Definition at line 11550 of file `tempassembled.f90`.

3.15.3.14 `real(reki), dimension (:,:,,:), allocatable hhwind::winddata` [private]

Definition at line 11535 of file `tempassembled.f90`.

The documentation for this module was generated from the following file:

- [tempassembled.f90](#)

3.16 hhwind::hh_info Type Reference

Public Attributes

- `real(reki)` [referenceheight](#)
- `real(reki)` [width](#)

3.16.1 Detailed Description

Definition at line 12244 of file `tempassembled.f90`.

3.16.2 Member Data Documentation

3.16.2.1 `real(reki) hhwind::hh_info::referenceheight`

Definition at line 12245 of file `tempassembled.f90`.

3.16.2.2 `real(reki) hhwind::hh_info::width`

Definition at line 12246 of file `tempassembled.f90`.

The documentation for this type was generated from the following file:

- [tempassembled.f90](#)

3.17 hhwind Module Reference

Data Types

- type [hh_info](#)

Public Member Functions

- subroutine, public [hh_init](#) (UnWind, WindFile, WindInfo, ErrStat)
- type(inflintrpout) function, public [hh_getwindspeed](#) (Time, InputPosition, ErrStat)
- type(inflintrpout) function, public [hh_get_adhack_windspeed](#) (Time, InputPosition, ErrStat)
- subroutine, public [hh_setlinearizedels](#) (Perturbations, ErrStat)
- subroutine, public [hh_terminate](#) (ErrStat)
- subroutine, public [hh_init](#) (UnWind, WindFile, WindInfo, ErrStat)
- type(inflintrpout) function, public [hh_getwindspeed](#) (Time, InputPosition, ErrStat)
- type(inflintrpout) function, public [hh_get_adhack_windspeed](#) (Time, InputPosition, ErrStat)
- subroutine, public [hh_setlinearizedels](#) (Perturbations, ErrStat)
- subroutine, public [hh_terminate](#) (ErrStat)
- subroutine, public [hh_init](#) (UnWind, WindFile, WindInfo, ErrStat)
- type(inflintrpout) function, public [hh_getwindspeed](#) (Time, InputPosition, ErrStat)
- type(inflintrpout) function, public [hh_get_adhack_windspeed](#) (Time, InputPosition, ErrStat)
- subroutine, public [hh_setlinearizedels](#) (Perturbations, ErrStat)
- subroutine, public [hh_terminate](#) (ErrStat)
- subroutine, public [hh_init](#) (UnWind, WindFile, WindInfo, ErrStat)
- type(inflintrpout) function, public [hh_getwindspeed](#) (Time, InputPosition, ErrStat)
- type(inflintrpout) function, public [hh_get_adhack_windspeed](#) (Time, InputPosition, ErrStat)
- subroutine, public [hh_setlinearizedels](#) (Perturbations, ErrStat)
- subroutine, public [hh_terminate](#) (ErrStat)

Private Attributes

- `real(reki), dimension(:), allocatable` [tdata](#)
- `real(reki), dimension(:), allocatable` [delta](#)
- `real(reki), dimension(:), allocatable` [v](#)

- real(reki), dimension(:), allocatable [vz](#)
- real(reki), dimension(:), allocatable [hshr](#)
- real(reki), dimension(:), allocatable [vshr](#)
- real(reki), dimension(:), allocatable [vlinshr](#)
- real(reki), dimension(:), allocatable [vgust](#)
- real(reki), dimension(7) [linearizedels](#)
- real(reki) [refht](#)
- real(reki) [refwid](#)
- integer [numdatalines](#)
- integer, save [timeindx](#) = 0
- logical, save [linearize](#) = .FALSE.

3.17.1 Detailed Description

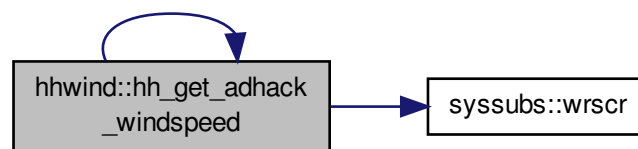
Definition at line 12195 of file tempassembled.f90.

3.17.2 Member Function/Subroutine Documentation

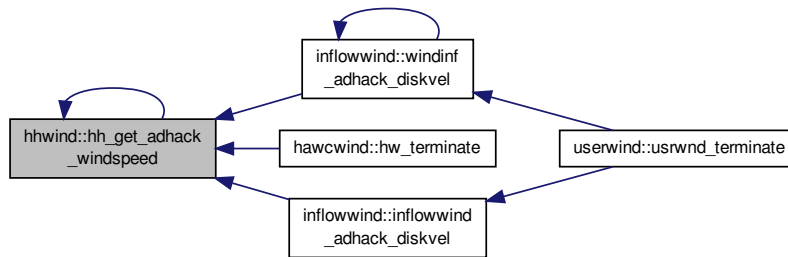
3.17.2.1 `type(inflintrpout) function, public hhwind::hh_get_adhack_windspeed (real(reki), intent(in) Time, real(reki), dimension(3), intent(in) InputPosition, integer, intent(out) ErrStat)`

Definition at line 12655 of file tempassembled.f90.

Here is the call graph for this function:



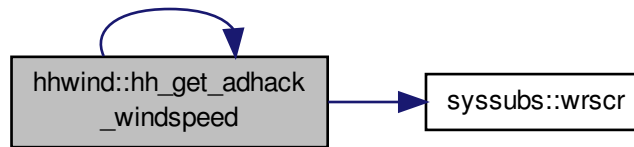
Here is the caller graph for this function:



3.17.2.2 `type(inflintrpout)` function, public `hhwind::hh_get_adhack_windspeed (real(reki), intent(in) Time, real(reki), dimension(3), intent(in) InputPosition, integer, intent(out) ErrStat)`

Definition at line 26525 of file `tempassembled.f90`.

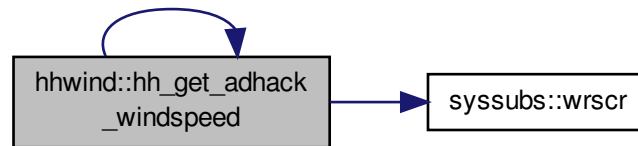
Here is the call graph for this function:



3.17.2.3 `type(inflintrpout)` function, public `hhwind::hh_get_adhack_windspeed (real(reki), intent(in) Time, real(reki), dimension(3), intent(in) InputPosition, integer, intent(out) ErrStat)`

Definition at line 54277 of file `tempassembled.f90`.

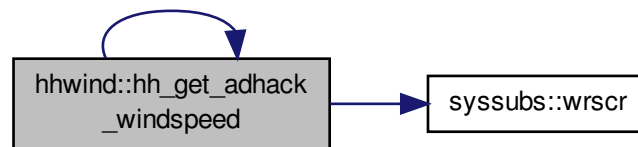
Here is the call graph for this function:



3.17.2.4 `type(inflintrpout) function, public hhwind::hh_get_adhack_windspeed (real(reki), intent(in) Time, real(reki), dimension(3), intent(in) InputPosition, integer, intent(out) ErrStat)`

Definition at line 40395 of file `tempassembled.f90`.

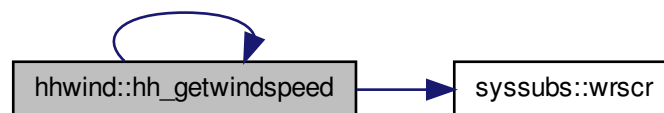
Here is the call graph for this function:



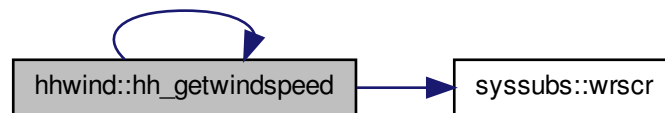
3.17.2.5 `type(inflintrpout) function, public hhwind::hh_getwindspeed (real(reki), intent(in) Time, real(reki), dimension(3), intent(in) InputPosition, integer, intent(out) ErrStat)`

Definition at line 54146 of file `tempassembled.f90`.

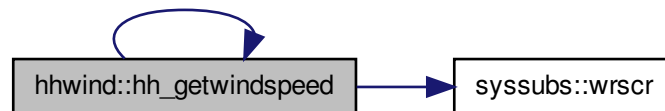
Here is the call graph for this function:



Here is the call graph for this function:



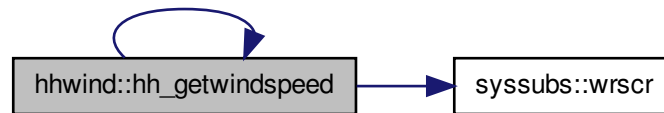
Here is the call graph for this function:



3.17.2.8 `type(inflintrpout) function, public hhwind::hh_getwindspeed (real(reki), intent(in) Time, real(reki), dimension(3), intent(in) InputPosition, integer, intent(out) ErrStat)`

Definition at line 26394 of file `tempassembled.f90`.

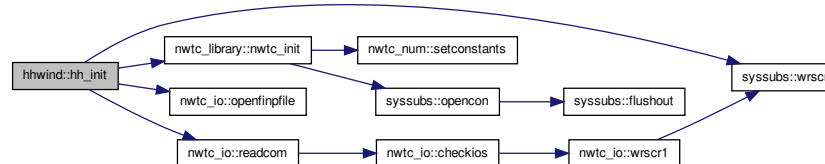
Here is the call graph for this function:



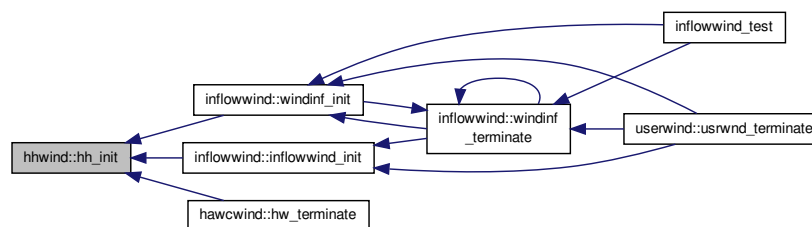
3.17.2.9 `subroutine, public hhwind::hh_init (integer, intent(in) UnWind, character(*), intent(in) WindFile, type(hh_info), intent(in) WindInfo, integer, intent(out) ErrStat)`

Definition at line 12257 of file `tempassembled.f90`.

Here is the call graph for this function:



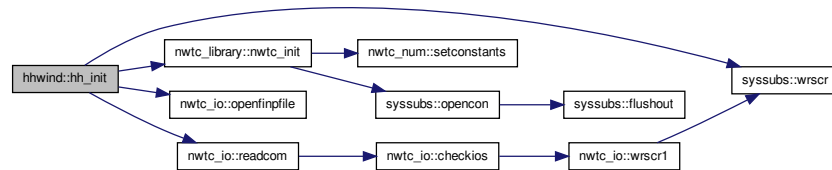
Here is the caller graph for this function:



3.17.2.10 subroutine, public hhwind::hh_init (integer, intent(in) *UnWind*, character(*), intent(in) *WindFile*, type(hh_info), intent(in) *WindInfo*, integer, intent(out) *ErrStat*)

Definition at line 53879 of file tempassembled.f90.

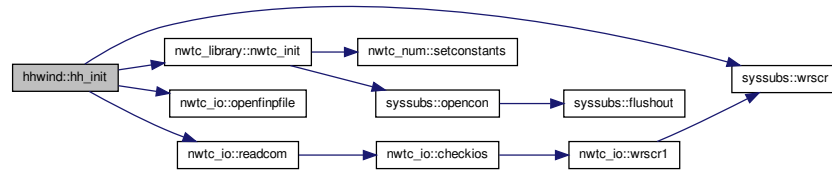
Here is the call graph for this function:



3.17.2.11 subroutine, public hhwind::hh_init (integer, intent(in) *UnWind*, character(*), intent(in) *WindFile*, type(hh_info), intent(in) *WindInfo*, integer, intent(out) *ErrStat*)

Definition at line 39997 of file tempassembled.f90.

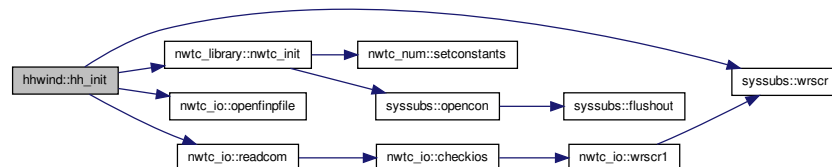
Here is the call graph for this function:



3.17.2.12 subroutine, public hhwind::hh_init (integer, intent(in) *UnWind*, character(*), intent(in) *WindFile*, type(hh_info), intent(in) *WindInfo*, integer, intent(out) *ErrStat*)

Definition at line 26127 of file tempassembled.f90.

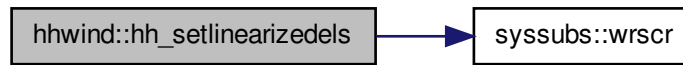
Here is the call graph for this function:



3.17.2.13 subroutine, public hhwind::hh_setlinearizedels (real(reki), dimension(7), intent(in) *Perturbations*, integer, intent(out) *ErrStat*)

Definition at line 54370 of file tempassembled.f90.

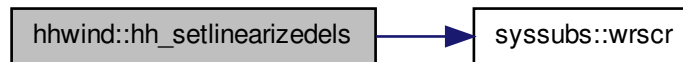
Here is the call graph for this function:



3.17.2.14 subroutine, public hhwind::hh_setlinearizedels (real(reki), dimension(7), intent(in) *Perturbations*, integer, intent(out) *ErrStat*)

Definition at line 26618 of file tempassembled.f90.

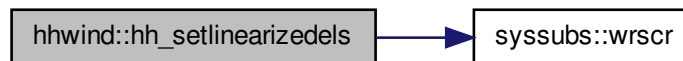
Here is the call graph for this function:



3.17.2.15 subroutine, public hhwind::hh_setlinearizedels (real(reki), dimension(7), intent(in) *Perturbations*, integer, intent(out) *ErrStat*)

Definition at line 40488 of file tempassembled.f90.

Here is the call graph for this function:



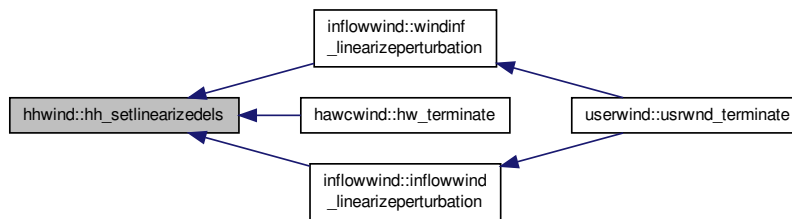
3.17.2.16 subroutine, public hhwind::hh_setlinearizedels (real(reki), dimension(7), intent(in) *Perturbations*, integer, intent(out) *ErrStat*)

Definition at line 12748 of file tempassembled.f90.

Here is the call graph for this function:



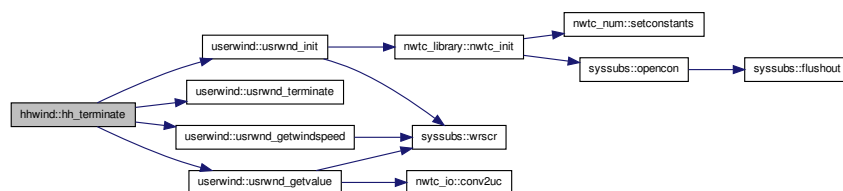
Here is the caller graph for this function:



3.17.2.17 subroutine, public hhwind::hh_terminate (integer, intent(out) *ErrStat*)

Definition at line 40514 of file tempassembled.f90.

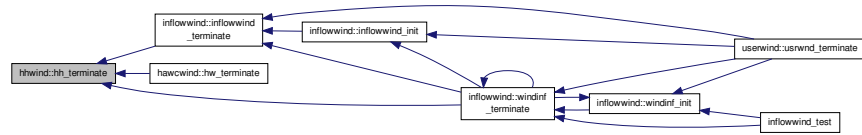
Here is the call graph for this function:



3.17.2.18 subroutine, public hhwind::hh_terminate (integer, intent(out) *ErrStat*)

Definition at line 12774 of file tempassembled.f90.

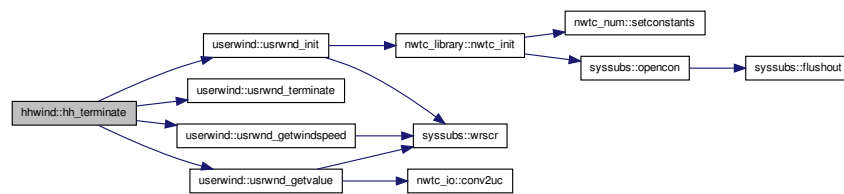
Here is the caller graph for this function:



3.17.2.19 subroutine, public hhwind::hh_terminate (integer, intent(out) ErrStat)

Definition at line 26644 of file tempassembled.f90.

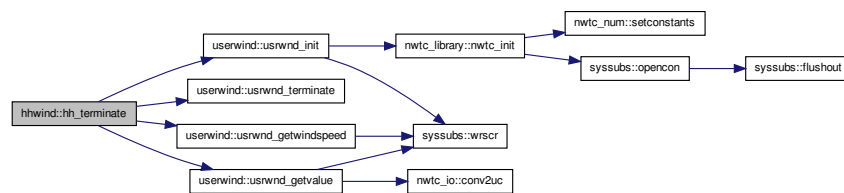
Here is the call graph for this function:



3.17.2.20 subroutine, public hhwind::hh_terminate (integer, intent(out) ErrStat)

Definition at line 54396 of file tempassembled.f90.

Here is the call graph for this function:



3.17.3 Member Data Documentation

3.17.3.1 real(reki), dimension (:), allocatable hhwind::delta [private]

Definition at line 12227 of file tempassembled.f90.

3.17.3.2 real(reki), dimension (:), allocatable hhwind::hshr [private]

Definition at line 12230 of file tempassembled.f90.

3.17.3.3 `logical save hhwind::linearize = .FALSE.` `[private]`

Definition at line 12242 of file `tempassembled.f90`.

3.17.3.4 `real(reki), dimension(7) hhwind::linearizedels` `[private]`

Definition at line 12235 of file `tempassembled.f90`.

3.17.3.5 `integer hhwind::numdatalines` `[private]`

Definition at line 12239 of file `tempassembled.f90`.

3.17.3.6 `real(reki) hhwind::refht` `[private]`

Definition at line 12236 of file `tempassembled.f90`.

3.17.3.7 `real(reki) hhwind::refwid` `[private]`

Definition at line 12237 of file `tempassembled.f90`.

3.17.3.8 `real(reki), dimension (:), allocatable hhwind::tdata` `[private]`

Definition at line 12226 of file `tempassembled.f90`.

3.17.3.9 `integer save hhwind::timeindx = 0` `[private]`

Definition at line 12240 of file `tempassembled.f90`.

3.17.3.10 `real(reki), dimension (:), allocatable hhwind::v` `[private]`

Definition at line 12228 of file `tempassembled.f90`.

3.17.3.11 `real(reki), dimension (:), allocatable hhwind::vgust` `[private]`

Definition at line 12233 of file `tempassembled.f90`.

3.17.3.12 `real(reki), dimension (:), allocatable hhwind::vlinshr` `[private]`

Definition at line 12232 of file `tempassembled.f90`.

3.17.3.13 `real(reki), dimension (:), allocatable hhwind::vshr` `[private]`

Definition at line 12231 of file `tempassembled.f90`.

3.17.3.14 `real(reki), dimension (:), allocatable hhwind::vz` `[private]`

Definition at line 12229 of file `tempassembled.f90`.

The documentation for this module was generated from the following file:

- [tempassembled.f90](#)

3.18 inflowwind::inflinitinfo Type Reference

Public Attributes

- `character(1024) windfilename`

- integer [windfiletype](#)
- real(reki) [referenceheight](#)
- real(reki) [width](#)

3.18.1 Detailed Description

Definition at line 13055 of file tempassembled.f90.

3.18.2 Member Data Documentation

3.18.2.1 real(reki) inflowwind::inflinitinfo::referenceheight

Definition at line 13058 of file tempassembled.f90.

3.18.2.2 real(reki) inflowwind::inflinitinfo::width

Definition at line 13059 of file tempassembled.f90.

3.18.2.3 character(1024) inflowwind::inflinitinfo::windfilename

Definition at line 13056 of file tempassembled.f90.

3.18.2.4 integer inflowwind::inflinitinfo::windfiletype

Definition at line 13057 of file tempassembled.f90.

The documentation for this type was generated from the following file:

- [tempassembled.f90](#)

3.19 sharedinflowdefns::inflintrpout Type Reference

Public Attributes

- real(reki), dimension(3) [velocity](#)

3.19.1 Detailed Description

Definition at line 7195 of file tempassembled.f90.

3.19.2 Member Data Documentation

3.19.2.1 real(reki), dimension(3) sharedinflowdefns::inflintrpout::velocity

Definition at line 7196 of file tempassembled.f90.

The documentation for this type was generated from the following file:

- [tempassembled.f90](#)

3.20 inflowwind Module Reference

Data Types

- type [inflinitinfo](#)

Public Member Functions

- subroutine, public [windinf_init](#) (FileInfo, ErrStat)
- type(inflintrapout) function, public [windinf_getvelocity](#) (Time, InputPosition, ErrStat)
- subroutine, public [windinf_linearizeperturbation](#) (LinPerturbations, ErrStat)
- real(reki) function, dimension(3),
public [windinf_adhack_diskvel](#) (Time, InpPosition, ErrStat)
- real(reki) function, public [windinf_adhack_dicheck](#) (ErrStat)
- subroutine, public [windinf_terminate](#) (ErrStat)
- subroutine, public [windinf_init](#) (FileInfo, ErrStat)
- type(inflintrapout) function, public [windinf_getvelocity](#) (Time, InputPosition, ErrStat)
- subroutine, public [windinf_linearizeperturbation](#) (LinPerturbations, ErrStat)
- real(reki) function, dimension(3),
public [windinf_adhack_diskvel](#) (Time, InpPosition, ErrStat)
- real(reki) function, public [windinf_adhack_dicheck](#) (ErrStat)
- subroutine, public [windinf_terminate](#) (ErrStat)
- subroutine, public [windinf_init](#) (FileInfo, ErrStat)
- type(inflintrapout) function, public [windinf_getvelocity](#) (Time, InputPosition, ErrStat)
- subroutine, public [windinf_linearizeperturbation](#) (LinPerturbations, ErrStat)
- real(reki) function, dimension(3),
public [windinf_adhack_diskvel](#) (Time, InpPosition, ErrStat)
- real(reki) function, public [windinf_adhack_dicheck](#) (ErrStat)
- subroutine, public [windinf_terminate](#) (ErrStat)
- subroutine, public [inflowwind_init](#) (FileInfo, ErrStat)
- type(inflintrapout) function, public [inflowwind_getvelocity](#) (Time, InputPosition, ErrStat)
- subroutine, public [inflowwind_linearizeperturbation](#) (LinPerturbations, ErrStat)
- real(reki) function, dimension(3),
public [inflowwind_adhack_diskvel](#) (Time, InpPosition, ErrStat)
- real(reki) function, public [inflowwind_adhack_dicheck](#) (ErrStat)
- subroutine, public [inflowwind_terminate](#) (ErrStat)

Public Attributes

- character(99), parameter [windinfver](#) = 'InflowWind (v1.01.00b-bjj, 10-Aug-2012)'
- character(99), parameter [inflowwindver](#) = 'InflowWind (v1.01.00b-bjj, 10-Aug-2012)'

Private Member Functions

- integer function [getwindtype](#) (FileName, ErrStat)
- integer function [getwindtype](#) (FileName, ErrStat)
- integer function [getwindtype](#) (FileName, ErrStat)
- integer function [getwindtype](#) (FileName, ErrStat)

Private Attributes

- integer, save `windtype` = `Undef_Wind`
- integer `unwind` = 91
- logical, save `ct_flag` = `.FALSE.`

3.20.1 Detailed Description

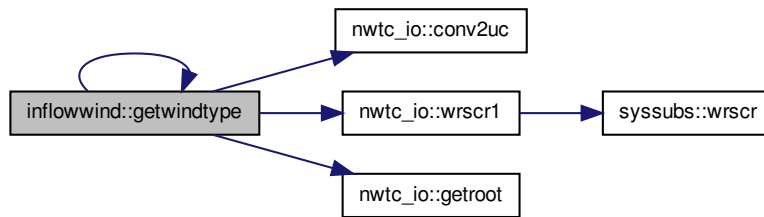
Definition at line 13008 of file `tempassembled.f90`.

3.20.2 Member Function/Subroutine Documentation

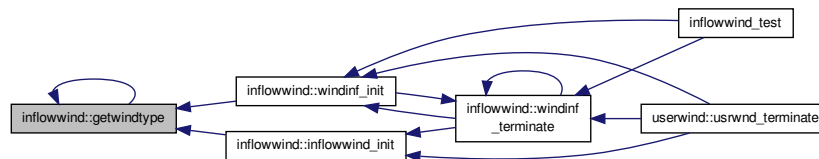
3.20.2.1 integer function `inflowwind::getwindtype` (`character(*)`, `intent(inout) FileName`, `integer`, `intent(out) ErrStat`)
[private]

Definition at line 13273 of file `tempassembled.f90`.

Here is the call graph for this function:



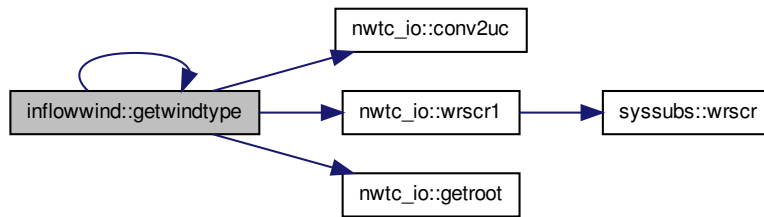
Here is the caller graph for this function:



3.20.2.2 integer function `inflowwind::getwindtype` (`character(*)`, `intent(inout) FileName`, `integer`, `intent(out) ErrStat`)
[private]

Definition at line 27143 of file `tempassembled.f90`.

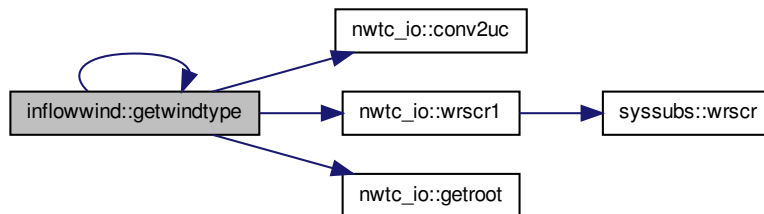
Here is the call graph for this function:



3.20.2.3 integer function `inflowwind::getwindtype` (`character(*)`, intent(inout) *FileName*, integer, intent(out) *ErrStat*)
[private]

Definition at line 41013 of file `tempassembled.f90`.

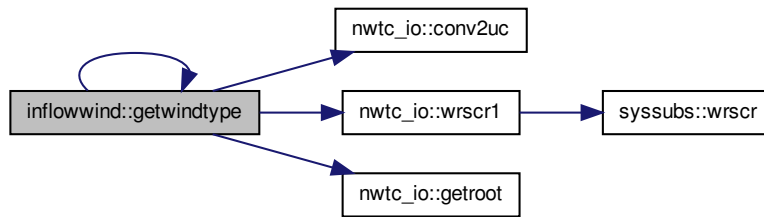
Here is the call graph for this function:



3.20.2.4 integer function `inflowwind::getwindtype` (`character(*)`, intent(inout) *FileName*, integer, intent(out) *ErrStat*)
[private]

Definition at line 54907 of file `tempassembled.f90`.

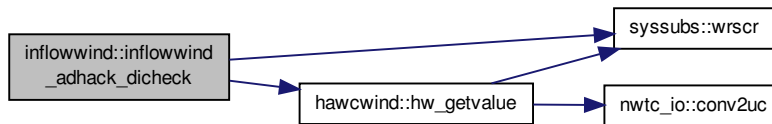
Here is the call graph for this function:



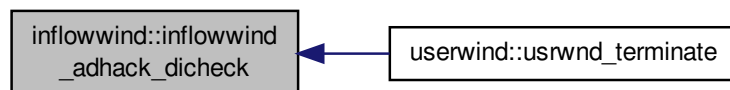
3.20.2.5 `real(reki)` function, public `inflowwind::inflowwind_adhack_dicheck (integer, intent(out) ErrStat)`

Definition at line 55180 of file `tempassembled.f90`.

Here is the call graph for this function:



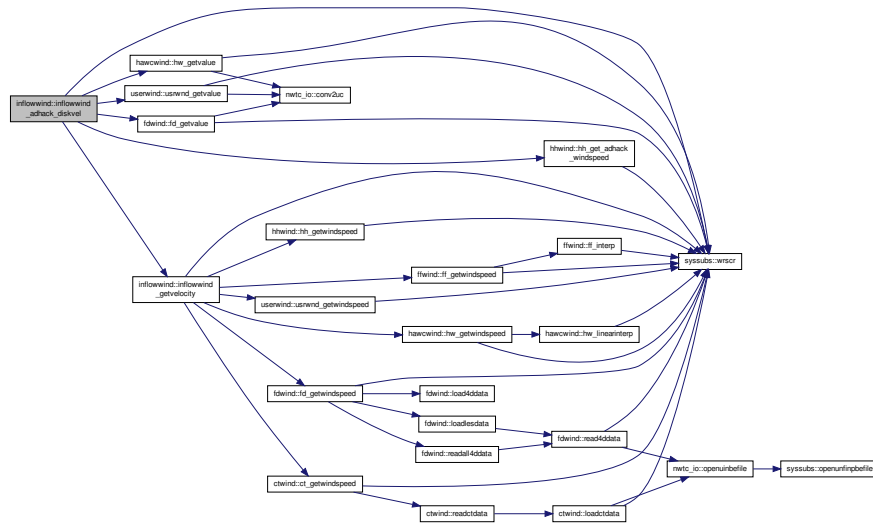
Here is the caller graph for this function:



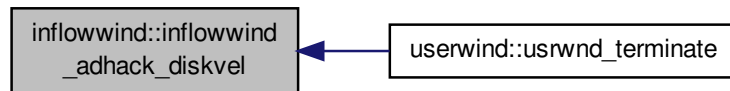
3.20.2.6 `real(reki)` function, dimension(3), public `inflowwind::inflowwind_adhack_diskvel (real(reki), intent(in) Time, real(reki), dimension(3), intent(in) InpPosition, integer, intent(out) ErrStat)`

Definition at line 55059 of file `tempassembled.f90`.

Here is the call graph for this function:



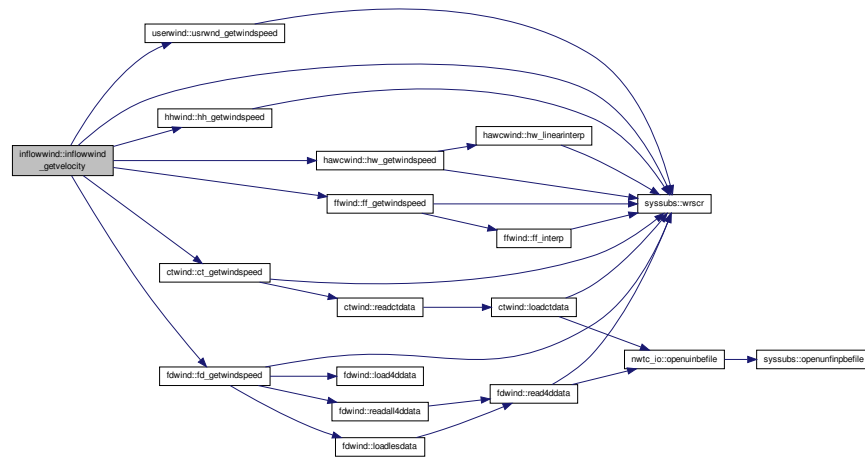
Here is the caller graph for this function:



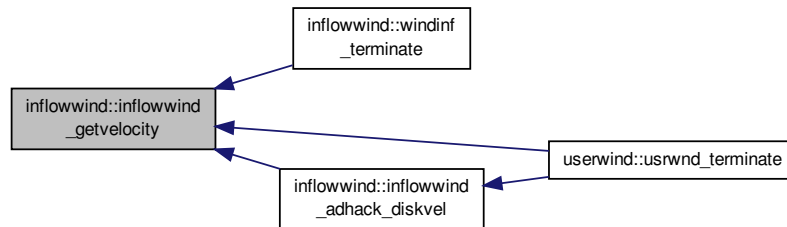
3.20.2.7 `type(inflintrpout) function, public inflowwind::inflowwind_getvelocity (real(reki), intent(in) Time, real(reki), dimension(3), intent(in) InputPosition, integer, intent(out) ErrStat)`

Definition at line 54843 of file `tempassembled.f90`.

Here is the call graph for this function:



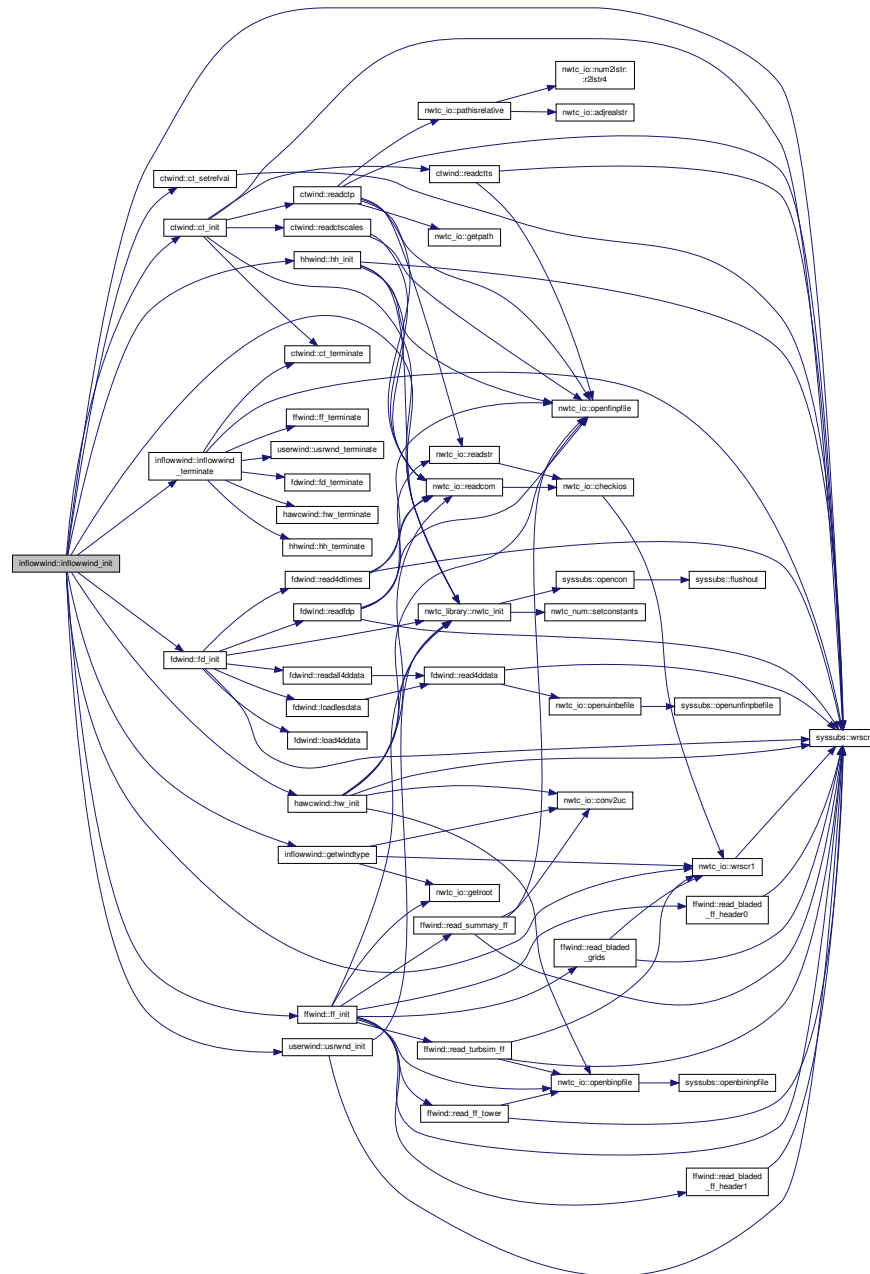
Here is the caller graph for this function:



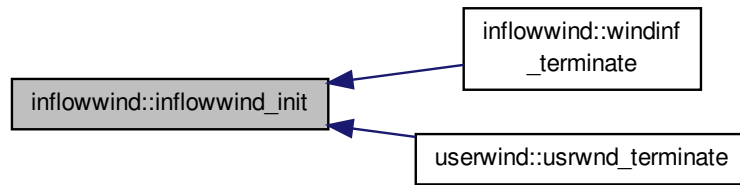
3.20.2.8 subroutine, public inflowwind::inflowwind_init (type(inflinitinfo), intent(in) FileInfo, integer, intent(out) ErrStat)

Definition at line 54710 of file tempassembled.f90.

Here is the call graph for this function:



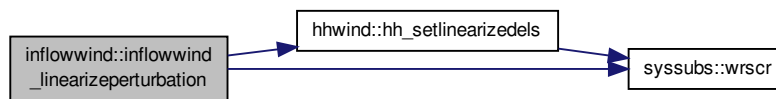
Here is the caller graph for this function:



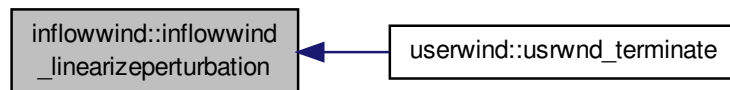
3.20.2.9 subroutine, public `inflowwind::inflowwind_linearizeperturbation (real(reki), dimension(7), intent(in) LinPerturbations, integer, intent(out) ErrStat)`

Definition at line 55023 of file `tempassembled.f90`.

Here is the call graph for this function:



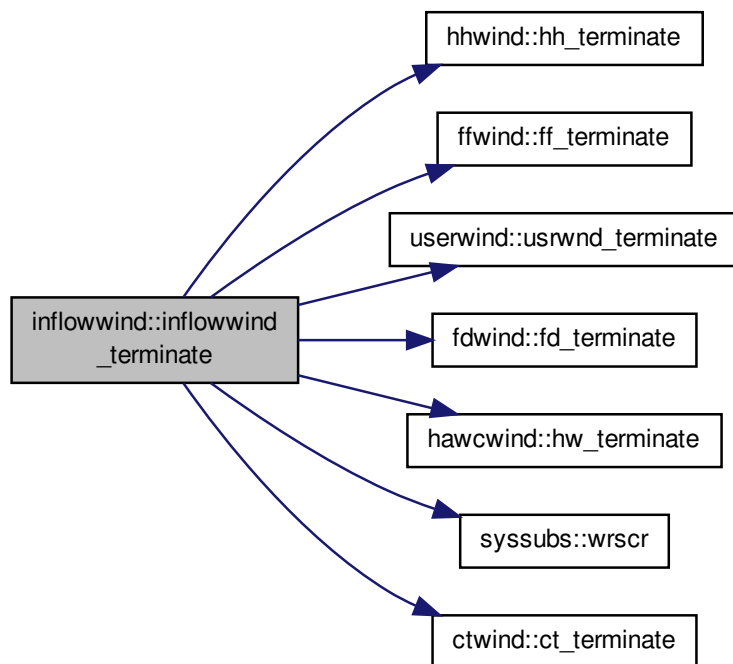
Here is the caller graph for this function:



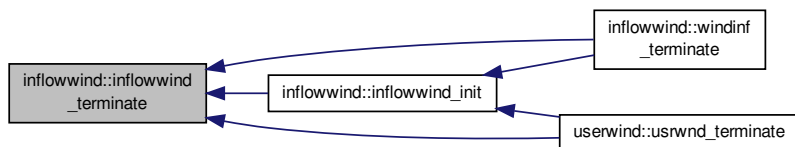
3.20.2.10 subroutine, public `inflowwind::inflowwind_terminate (integer, intent(out) ErrStat)`

Definition at line 55221 of file `tempassembled.f90`.

Here is the call graph for this function:



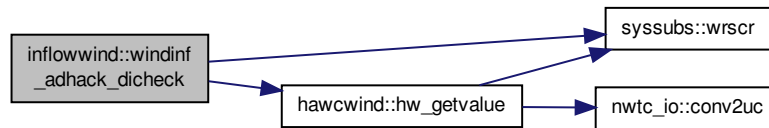
Here is the caller graph for this function:



3.20.2.11 real(reki) function, public inflowwind::windinf_adhack_dicheck (integer, intent(out) ErrStat)

Definition at line 41283 of file tempassembled.f90.

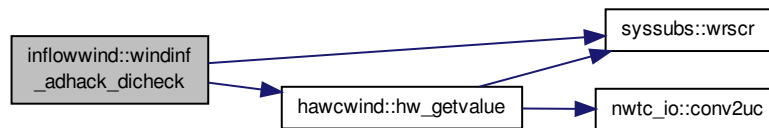
Here is the call graph for this function:



3.20.2.12 `real(reki)` function, public `inflowwind::windinf_adhack_dichack (integer, intent(out) ErrStat)`

Definition at line 27413 of file `tempassembled.f90`.

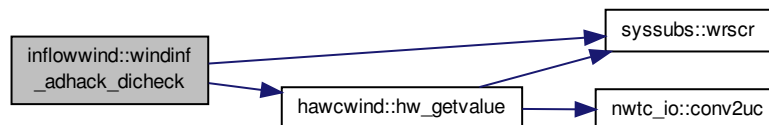
Here is the call graph for this function:



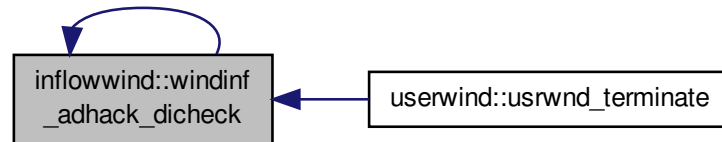
3.20.2.13 `real(reki)` function, public `inflowwind::windinf_adhack_dichack (integer, intent(out) ErrStat)`

Definition at line 13543 of file `tempassembled.f90`.

Here is the call graph for this function:



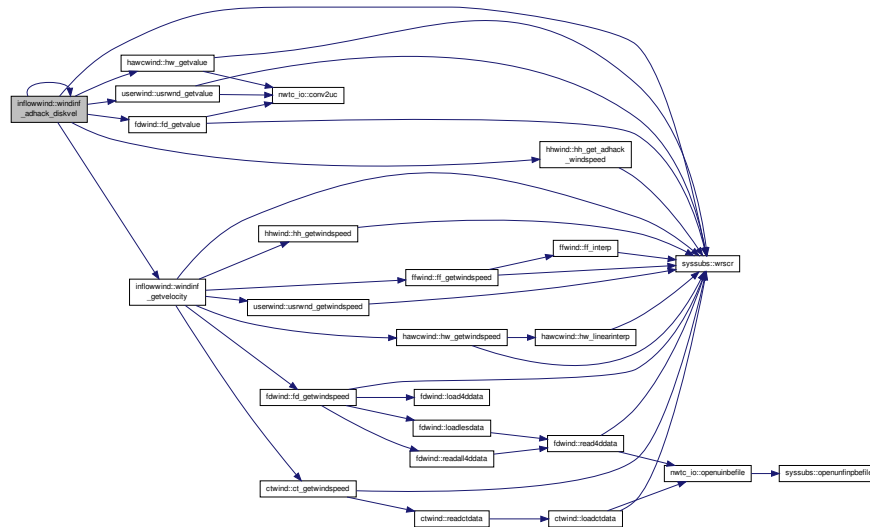
Here is the caller graph for this function:



3.20.2.14 `real(reki)` function, `dimension(3)`, public `inflowwind::windinf_adhack_diskvel (real(reki), intent(in) Time, real(reki), dimension(3), intent(in) InpPosition, integer, intent(out) ErrStat)`

Definition at line 41163 of file `tempassembled.f90`.

Here is the call graph for this function:



3.20.2.15 `real(reki)` function, `dimension(3)`, public `inflowwind::windinf_adhack_diskvel (real(reki), intent(in) Time, real(reki), dimension(3), intent(in) InpPosition, integer, intent(out) ErrStat)`

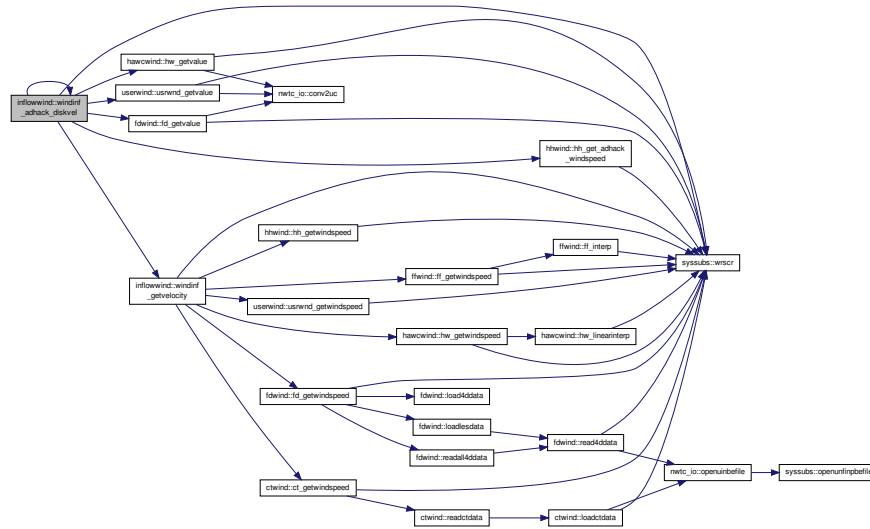
Definition at line 13423 of file `tempassembled.f90`.

```
graph LR; A[userwind::usrwnd_terminate] --> B[inflowwind::windinf_adhack_diskvel]; B --> B;
```

The diagram illustrates a transition from the state `userwind::usrwnd_terminate` to the state `inflowwind::windinf_adhack_diskvel`. A blue arrow points from the right box to the left box. Additionally, a curved blue arrow points from the top of the left box back to itself, indicating a self-loop.

Definition at line 27293 of file tempassembled.f90.

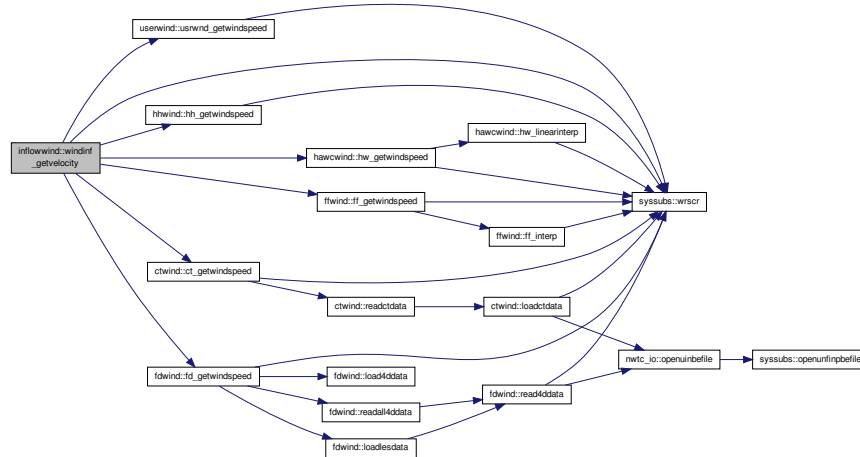
Here is the call graph for this function:



3.20.2.17 `type(inflintrpout)` function, public `inflowwind::windinf_getvelocity (real(reki), intent(in) Time, real(reki), dimension(3), intent(in) InputPosition, integer, intent(out) ErrStat)`

Definition at line 27080 of file `tempassembled.f90`.

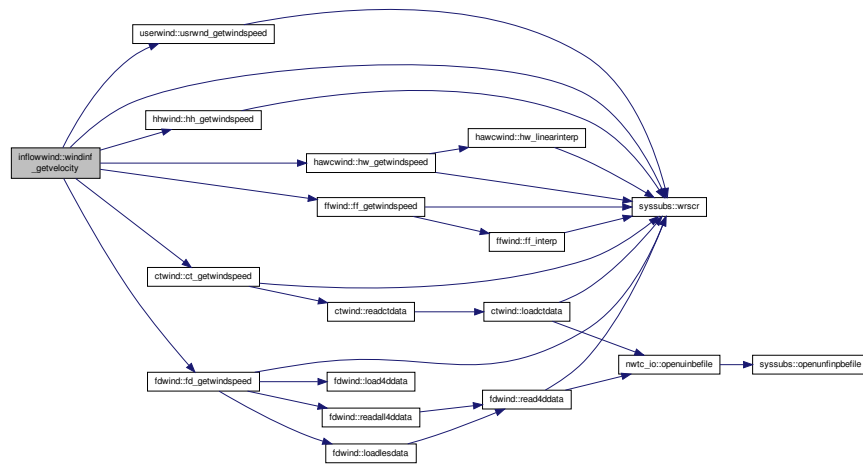
Here is the call graph for this function:



3.20.2.18 `type(inflintrpout)` function, public `inflowwind::windinf_getvelocity (real(reki), intent(in) Time, real(reki), dimension(3), intent(in) InputPosition, integer, intent(out) ErrStat)`

Definition at line 40950 of file `tempassembled.f90`.

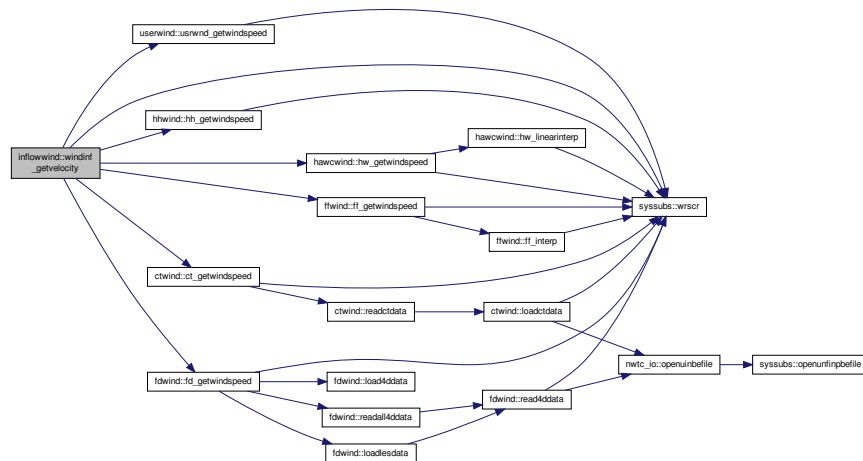
Here is the call graph for this function:



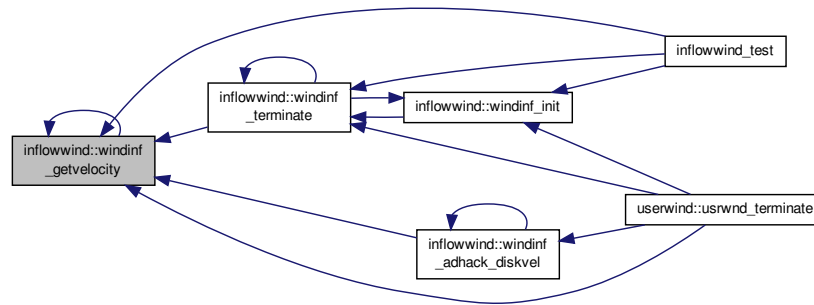
3.20.2.19 `type(inflintrpout) function, public inflowwind::windinf_getvelocity (real(reki), intent(in) Time, real(reki), dimension(3), intent(in) InputPosition, integer, intent(out) ErrStat)`

Definition at line 13210 of file `tempassembled.f90`.

Here is the call graph for this function:



Here is the caller graph for this function:



3.20.2.20 subroutine, public inflowwind::windinf_init (type(inflinitinfo), intent(in) *FileInfo*, integer, intent(out) *ErrStat*)

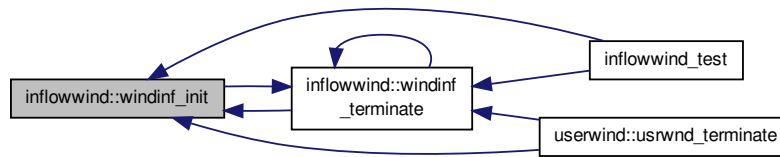
Definition at line 26948 of file `tempassembled.f90`.

[illegible]

Definition at line 13078 of file tempassembled.f90.

Generated on Tue Dec 11 2012 16:27:28 for Wave by Doxygen

Here is the caller graph for this function:



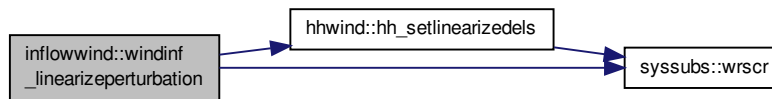
3.20.2.22 subroutine, public inflowwind::windinf_init (type(inflinitinfo), intent(in) *FileInfo*, integer, intent(out) *ErrStat*)

Definition at line 40818 of file `tempassembled.f90`.

[illegible]

Definition at line 27258 of file tempassembled.f90.

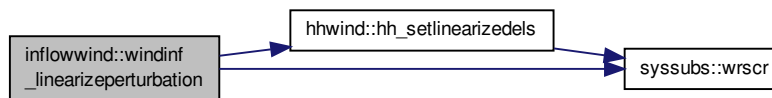
Here is the call graph for this function:



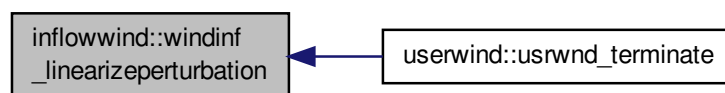
3.20.2.24 subroutine, public inflowwind::windinf_linearizeperturbation (real(reki), dimension(7), intent(in) *LinPerturbations*, integer, intent(out) *ErrStat*)

Definition at line 13388 of file tempassembled.f90.

Here is the call graph for this function:



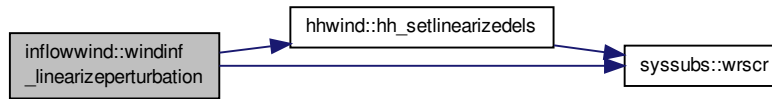
Here is the caller graph for this function:



3.20.2.25 subroutine, public inflowwind::windinf_linearizeperturbation (real(reki), dimension(7), intent(in) *LinPerturbations*, integer, intent(out) *ErrStat*)

Definition at line 41128 of file tempassembled.f90.

Here is the call graph for this function:



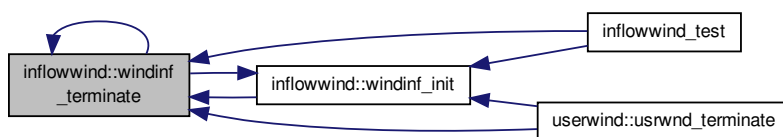
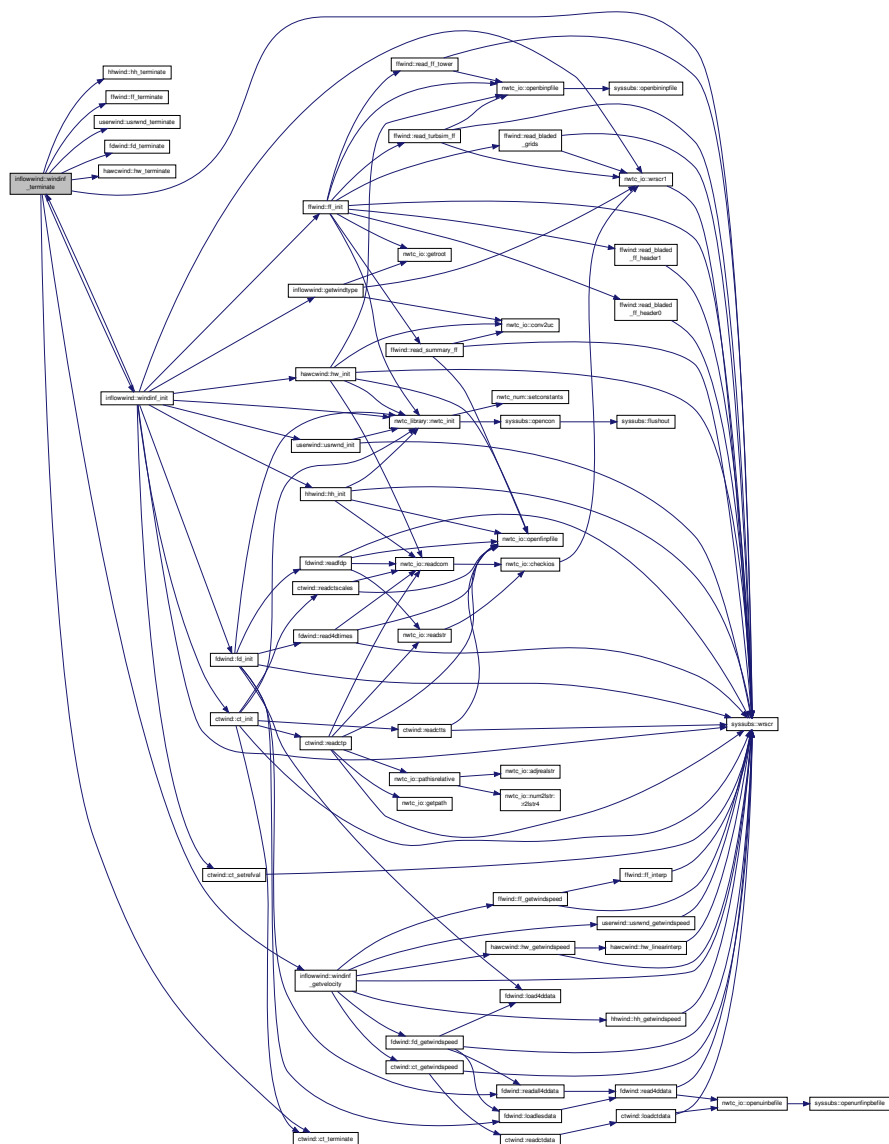
3.20.2.26 subroutine, public inflowwind::windinf_terminate (integer, intent(out) *ErrStat*)

Definition at line 41323 of file tempassembled.f90.

[illegible]

Definition at line 27453 of file tempassembled.f90.

Definition at line 13583 of file tempassembled.f90.



3.20.3 Member Data Documentation

3.20.3.1 logical save inflowwind::ct_flag = .FALSE. [private]

Definition at line 13049 of file tempassembled.f90.

3.20.3.2 character(99), parameter inflowwind::inflowwindver = 'InflowWind (v1.01.00b-bjj, 10-Aug-2012)'

Definition at line 54705 of file tempassembled.f90.

3.20.3.3 integer inflowwind::unwind = 91 [private]

Definition at line 13047 of file tempassembled.f90.

3.20.3.4 character(99), parameter inflowwind::windinfver = 'InflowWind (v1.01.00b-bjj, 10-Aug-2012)'

Definition at line 13074 of file tempassembled.f90.

3.20.3.5 integer save inflowwind::windtype = Undef_Wind [private]

Definition at line 13045 of file tempassembled.f90.

The documentation for this module was generated from the following file:

- [tempassembled.f90](#)

3.21 nwtc_num::interpbin Interface Reference

Public Member Functions

- complex(reki) function [interpbincomp](#) (XVal, XAry, YAry, ILo, AryLen)
- real(reki) function [interpbinreal](#) (XVal, XAry, YAry, ILo, AryLen)
- complex(reki) function [interpbincomp](#) (XVal, XAry, YAry, ILo, AryLen)
- real(reki) function [interpbinreal](#) (XVal, XAry, YAry, ILo, AryLen)
- complex(reki) function [interpbincomp](#) (XVal, XAry, YAry, ILo, AryLen)
- real(reki) function [interpbinreal](#) (XVal, XAry, YAry, ILo, AryLen)
- complex(reki) function [interpbincomp](#) (XVal, XAry, YAry, ILo, AryLen)
- real(reki) function [interpbinreal](#) (XVal, XAry, YAry, ILo, AryLen)

3.21.1 Detailed Description

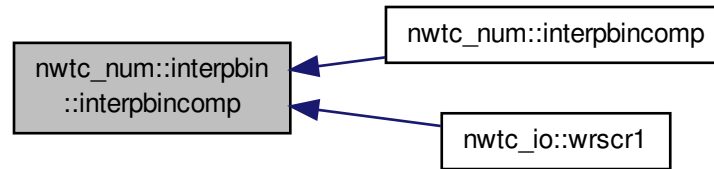
Definition at line 4507 of file tempassembled.f90.

3.21.2 Member Function/Subroutine Documentation

3.21.2.1 complex(reki) function nwtc_num::interpbin::interpbincomp (real(reki), intent(in) XVal, real(reki), dimension (arylen), intent(in) XAry, complex(reki), dimension (arylen), intent(in) YAry, integer, intent(inout) ILo, integer, intent(in) AryLen)

Definition at line 5046 of file tempassembled.f90.

Here is the caller graph for this function:



3.21.2.2 `complex(reki) function nwtc_num::interpbin::interpbincomp (real(reki), intent(in) XVal, real(reki), dimension (arylen), intent(in) XAry, complex(reki), dimension (arylen), intent(in) YAry, integer, intent(inout) ILo, integer, intent(in) AryLen)`

Definition at line 32786 of file `tempassembled.f90`.

3.21.2.3 `complex(reki) function nwtc_num::interpbin::interpbincomp (real(reki), intent(in) XVal, real(reki), dimension (arylen), intent(in) XAry, complex(reki), dimension (arylen), intent(in) YAry, integer, intent(inout) ILo, integer, intent(in) AryLen)`

Definition at line 46656 of file `tempassembled.f90`.

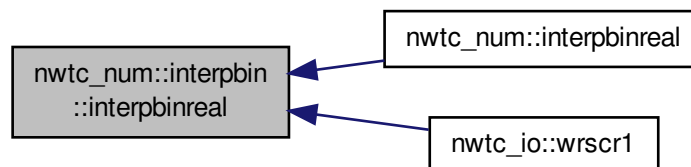
3.21.2.4 `complex(reki) function nwtc_num::interpbin::interpbincomp (real(reki), intent(in) XVal, real(reki), dimension (arylen), intent(in) XAry, complex(reki), dimension (arylen), intent(in) YAry, integer, intent(inout) ILo, integer, intent(in) AryLen)`

Definition at line 18916 of file `tempassembled.f90`.

3.21.2.5 `real(reki) function nwtc_num::interpbin::interpbinreal (real(reki), intent(in) XVal, real(reki), dimension (arylen), intent(in) XAry, real(reki), dimension (arylen), intent(in) YAry, integer, intent(inout) ILo, integer, intent(in) AryLen)`

Definition at line 5115 of file `tempassembled.f90`.

Here is the caller graph for this function:



3.21.2.6 `real(reki) function nwtc_num::interpbin::interpbinreal (real(reki), intent(in) XVal, real(reki), dimension (arylen), intent(in) XAry, real(reki), dimension (arylen), intent(in) YAry, integer, intent(inout) ILo, integer, intent(in) AryLen)`

Definition at line 18985 of file tempassembled.f90.

3.21.2.7 `real(reki) function nwtc_num::interpbin::interpbinreal (real(reki), intent(in) XVal, real(reki), dimension (arylen), intent(in) XAry, real(reki), dimension (arylen), intent(in) YAry, integer, intent(inout) ILo, integer, intent(in) AryLen)`

Definition at line 32855 of file tempassembled.f90.

3.21.2.8 `real(reki) function nwtc_num::interpbin::interpbinreal (real(reki), intent(in) XVal, real(reki), dimension (arylen), intent(in) XAry, real(reki), dimension (arylen), intent(in) YAry, integer, intent(inout) ILo, integer, intent(in) AryLen)`

Definition at line 46725 of file tempassembled.f90.

The documentation for this interface was generated from the following file:

- [tempassembled.f90](#)

3.22 nwtc_num::interpstp Interface Reference

Public Member Functions

- `complex(reki) function interpstpcomp (XVal, XAry, YAry, Ind, AryLen)`
- `real(reki) function interpstpreal (XVal, XAry, YAry, Ind, AryLen)`
- `complex(reki) function interpstpcomp (XVal, XAry, YAry, Ind, AryLen)`
- `real(reki) function interpstpreal (XVal, XAry, YAry, Ind, AryLen)`
- `complex(reki) function interpstpcomp (XVal, XAry, YAry, Ind, AryLen)`
- `real(reki) function interpstpreal (XVal, XAry, YAry, Ind, AryLen)`
- `complex(reki) function interpstpcomp (XVal, XAry, YAry, Ind, AryLen)`
- `real(reki) function interpstpreal (XVal, XAry, YAry, Ind, AryLen)`

3.22.1 Detailed Description

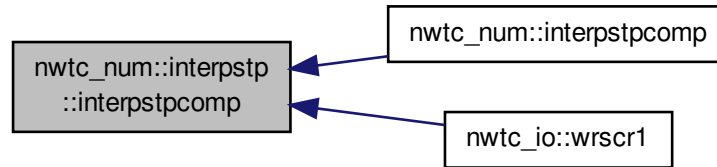
Definition at line 4515 of file tempassembled.f90.

3.22.2 Member Function/Subroutine Documentation

3.22.2.1 `complex(reki) function nwtc_num::interpstp::interpstpcomp (real(reki), intent(in) XVal, real(reki), dimension (arylen), intent(in) XAry, complex(reki), dimension (arylen), intent(in) YAry, integer, intent(inout) Ind, integer, intent(in) AryLen)`

Definition at line 5183 of file tempassembled.f90.

Here is the caller graph for this function:



3.22.2.2 `complex(reki) function nwtc_num::interpstp::interpstpcomp (real(reki), intent(in) XVal, real(reki), dimension (arylen), intent(in) XAry, complex(reki), dimension (arylen), intent(in) YAry, integer, intent(inout) Ind, integer, intent(in) AryLen)`

Definition at line 32923 of file `tempassembled.f90`.

3.22.2.3 `complex(reki) function nwtc_num::interpstp::interpstpcomp (real(reki), intent(in) XVal, real(reki), dimension (arylen), intent(in) XAry, complex(reki), dimension (arylen), intent(in) YAry, integer, intent(inout) Ind, integer, intent(in) AryLen)`

Definition at line 46793 of file `tempassembled.f90`.

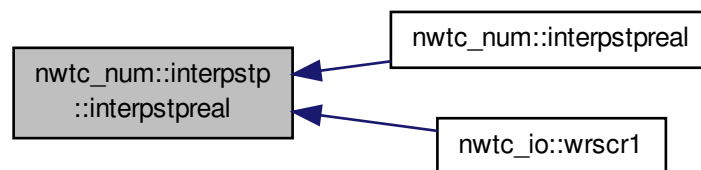
3.22.2.4 `complex(reki) function nwtc_num::interpstp::interpstpcomp (real(reki), intent(in) XVal, real(reki), dimension (arylen), intent(in) XAry, complex(reki), dimension (arylen), intent(in) YAry, integer, intent(inout) Ind, integer, intent(in) AryLen)`

Definition at line 19053 of file `tempassembled.f90`.

3.22.2.5 `real(reki) function nwtc_num::interpstp::interpstpreal (real(reki), intent(in) XVal, real(reki), dimension (arylen), intent(in) XAry, real(reki), dimension (arylen), intent(in) YAry, integer, intent(inout) Ind, integer, intent(in) AryLen)`

Definition at line 5253 of file `tempassembled.f90`.

Here is the caller graph for this function:



3.22.2.6 `real(reki) function nwtc_num::interpstp::interpstpreal (real(reki), intent(in) XVal, real(reki), dimension (arylen), intent(in) XAry, real(reki), dimension (arylen), intent(in) YAry, integer, intent(inout) Ind, integer, intent(in) AryLen)`

Definition at line 19123 of file tempassembled.f90.

3.22.2.7 `real(reki) function nwtc_num::interpstp::interpstpreal (real(reki), intent(in) XVal, real(reki), dimension (arylen), intent(in) XAry, real(reki), dimension (arylen), intent(in) YAry, integer, intent(inout) Ind, integer, intent(in) AryLen)`

Definition at line 32993 of file tempassembled.f90.

3.22.2.8 `real(reki) function nwtc_num::interpstp::interpstpreal (real(reki), intent(in) XVal, real(reki), dimension (arylen), intent(in) XAry, real(reki), dimension (arylen), intent(in) YAry, integer, intent(inout) Ind, integer, intent(in) AryLen)`

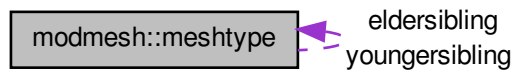
Definition at line 46863 of file tempassembled.f90.

The documentation for this interface was generated from the following file:

- [tempassembled.f90](#)

3.23 modmesh::meshtype Type Reference

Collaboration diagram for modmesh::meshtype:



Public Attributes

- logical [committed](#)
- integer(intki) [ios](#)
- integer(intki) [remapflag](#)
- integer(intki) [nnodes](#)
- integer(intki) [nelements](#)
- integer(intki) [npoint](#)
- integer(intki) [nline2](#)
- integer(intki) [nline3](#)
- integer(intki) [ntri3](#)
- integer(intki) [ntri6](#)
- integer(intki) [nquad4](#)
- integer(intki) [nquad8](#)
- integer(intki) [ntet4](#)
- integer(intki) [ntet10](#)
- integer(intki) [nhex8](#)
- integer(intki) [nhex20](#)
- integer(intki) [nwedge6](#)

- integer(intki) [nwedge15](#)
- integer(intki), dimension(:),
pointer [element_point](#)
- integer(intki), dimension(:, :),
pointer [element_line2](#)
- integer(intki), dimension(:, :),
pointer [element_line3](#)
- integer(intki), dimension(:, :),
pointer [element_tri3](#)
- integer(intki), dimension(:, :),
pointer [element_tri6](#)
- integer(intki), dimension(:, :),
pointer [element_quad4](#)
- integer(intki), dimension(:, :),
pointer [element_quad8](#)
- integer(intki), dimension(:, :),
pointer [element_tet4](#)
- integer(intki), dimension(:, :),
pointer [element_tet10](#)
- integer(intki), dimension(:, :),
pointer [element_hex8](#)
- integer(intki), dimension(:, :),
pointer [element_hex20](#)
- integer(intki), dimension(:, :),
pointer [element_wedge6](#)
- integer(intki), dimension(:, :),
pointer [element_wedge15](#)
- real(reki), dimension(:, :), pointer [position](#)
- real(reki), dimension(:, :), pointer [force](#)
- real(reki), dimension(:, :), pointer [moment](#)
- real(reki), dimension(:, :, :),
pointer [orientation](#)
- real(reki), dimension(:, :), pointer [rotation](#)
- real(reki), dimension(:, :), pointer [translation](#)
- real(reki), dimension(:, :, :),
pointer [addedmass](#)
- real(reki), dimension(:, :), pointer [scalars](#)
- type([meshtype](#)), pointer [youngersibling](#)
- type([meshtype](#)), pointer [eldersibling](#)

3.23.1 Detailed Description

Definition at line 5904 of file tempassembled.f90.

3.23.2 Member Data Documentation

3.23.2.1 `real(reki), dimension(:, :, :), pointer modmesh::meshtype::addedmass`

Definition at line 5943 of file tempassembled.f90.

3.23.2.2 logical modmesh::meshtype::committed

Definition at line 5905 of file tempassembled.f90.

3.23.2.3 type(meshtype), pointer modmesh::meshtype::eldersibling

Definition at line 5946 of file tempassembled.f90.

3.23.2.4 integer(intki), dimension(:,:), pointer modmesh::meshtype::element_hex20

Definition at line 5934 of file tempassembled.f90.

3.23.2.5 integer(intki), dimension(:,:), pointer modmesh::meshtype::element_hex8

Definition at line 5933 of file tempassembled.f90.

3.23.2.6 integer(intki), dimension(:,:), pointer modmesh::meshtype::element_line2

Definition at line 5925 of file tempassembled.f90.

3.23.2.7 integer(intki), dimension(:,:), pointer modmesh::meshtype::element_line3

Definition at line 5926 of file tempassembled.f90.

3.23.2.8 integer(intki), dimension(:), pointer modmesh::meshtype::element_point

Definition at line 5924 of file tempassembled.f90.

3.23.2.9 integer(intki), dimension(:,:), pointer modmesh::meshtype::element_quad4

Definition at line 5929 of file tempassembled.f90.

3.23.2.10 integer(intki), dimension(:,:), pointer modmesh::meshtype::element_quad8

Definition at line 5930 of file tempassembled.f90.

3.23.2.11 integer(intki), dimension(:,:), pointer modmesh::meshtype::element_tet10

Definition at line 5932 of file tempassembled.f90.

3.23.2.12 integer(intki), dimension(:,:), pointer modmesh::meshtype::element_tet4

Definition at line 5931 of file tempassembled.f90.

3.23.2.13 integer(intki), dimension(:,:), pointer modmesh::meshtype::element_tri3

Definition at line 5927 of file tempassembled.f90.

3.23.2.14 integer(intki), dimension(:,:), pointer modmesh::meshtype::element_tri6

Definition at line 5928 of file tempassembled.f90.

3.23.2.15 integer(intki), dimension(:,:), pointer modmesh::meshtype::element_wedge15

Definition at line 5936 of file tempassembled.f90.

3.23.2.16 integer(intki), dimension(:,:), pointer modmesh::meshtype::element_wedge6

Definition at line 5935 of file tempassembled.f90.

3.23.2.17 real(reki), dimension(:,:), pointer modmesh::meshtype::force

Definition at line 5938 of file tempassembled.f90.

3.23.2.18 integer(intki) modmesh::meshtype::ios

Definition at line 5906 of file tempassembled.f90.

3.23.2.19 real(reki), dimension(:,:), pointer modmesh::meshtype::moment

Definition at line 5939 of file tempassembled.f90.

3.23.2.20 integer(intki) modmesh::meshtype::nelements

Definition at line 5910 of file tempassembled.f90.

3.23.2.21 integer(intki) modmesh::meshtype::nhex20

Definition at line 5921 of file tempassembled.f90.

3.23.2.22 integer(intki) modmesh::meshtype::nhex8

Definition at line 5920 of file tempassembled.f90.

3.23.2.23 integer(intki) modmesh::meshtype::nline2

Definition at line 5912 of file tempassembled.f90.

3.23.2.24 integer(intki) modmesh::meshtype::nline3

Definition at line 5913 of file tempassembled.f90.

3.23.2.25 integer(intki) modmesh::meshtype::nnodes

Definition at line 5909 of file tempassembled.f90.

3.23.2.26 integer(intki) modmesh::meshtype::npoint

Definition at line 5911 of file tempassembled.f90.

3.23.2.27 integer(intki) modmesh::meshtype::nquad4

Definition at line 5916 of file tempassembled.f90.

3.23.2.28 integer(intki) modmesh::meshtype::nquad8

Definition at line 5917 of file tempassembled.f90.

3.23.2.29 integer(intki) modmesh::meshtype::ntet10

Definition at line 5919 of file tempassembled.f90.

3.23.2.30 integer(intki) modmesh::meshtype::ntet4

Definition at line 5918 of file tempassembled.f90.

3.23.2.31 integer(intki) modmesh::meshtype::ntri3

Definition at line 5914 of file tempassembled.f90.

3.23.2.32 integer(intki) modmesh::meshtype::ntri6

Definition at line 5915 of file tempassembled.f90.

3.23.2.33 integer(intki) modmesh::meshtype::nwedge15

Definition at line 5923 of file tempassembled.f90.

3.23.2.34 integer(intki) modmesh::meshtype::nwedge6

Definition at line 5922 of file tempassembled.f90.

3.23.2.35 real(reki), dimension(:, :, :), pointer modmesh::meshtype::orientation

Definition at line 5940 of file tempassembled.f90.

3.23.2.36 real(reki), dimension(:, :), pointer modmesh::meshtype::position

Definition at line 5937 of file tempassembled.f90.

3.23.2.37 integer(intki) modmesh::meshtype::remapflag

Definition at line 5907 of file tempassembled.f90.

3.23.2.38 real(reki), dimension(:, :), pointer modmesh::meshtype::rotation

Definition at line 5941 of file tempassembled.f90.

3.23.2.39 real(reki), dimension(:, :), pointer modmesh::meshtype::scalars

Definition at line 5944 of file tempassembled.f90.

3.23.2.40 real(reki), dimension(:, :), pointer modmesh::meshtype::translation

Definition at line 5942 of file tempassembled.f90.

3.23.2.41 type(meshtype), pointer modmesh::meshtype::youngersibling

Definition at line 5945 of file tempassembled.f90.

The documentation for this type was generated from the following file:

- [tempassembled.f90](#)

3.24 modmesh Module Reference**Data Types**

- type [meshtype](#)

Public Attributes

- integer(intki), parameter [mesh_newcopy](#) = 1
- integer(intki), parameter [mesh_sibling](#) = 2
- integer(intki), parameter [mesh_updatecopy](#) = 3

3.24.1 Detailed Description

Definition at line 5890 of file tempassembled.f90.

3.24.2 Member Data Documentation

3.24.2.1 integer(intki), parameter modmesh::mesh_newcopy = 1

Definition at line 5899 of file tempassembled.f90.

3.24.2.2 integer(intki), parameter modmesh::mesh_sibling = 2

Definition at line 5900 of file tempassembled.f90.

3.24.2.3 integer(intki), parameter modmesh::mesh_updatecopy = 3

Definition at line 5901 of file tempassembled.f90.

The documentation for this module was generated from the following file:

- [tempassembled.f90](#)

3.25 nwtc_io::num2lstr Interface Reference

Public Member Functions

- character(11) function [int2lstr](#) (Intgr)
- [r2lstr4](#)
- character(15) function [r2lstr8](#) (FltNum)
- character(15) function [r2lstr16](#) (FltNum)
- character(11) function [int2lstr](#) (Intgr)
- [r2lstr4](#)
- character(15) function [r2lstr8](#) (FltNum)
- character(15) function [r2lstr16](#) (FltNum)
- character(11) function [int2lstr](#) (Intgr)
- [r2lstr4](#)
- character(15) function [r2lstr8](#) (FltNum)
- character(15) function [r2lstr16](#) (FltNum)
- character(11) function [int2lstr](#) (Intgr)
- [r2lstr4](#)
- character(15) function [r2lstr8](#) (FltNum)
- character(15) function [r2lstr16](#) (FltNum)

3.25.1 Detailed Description

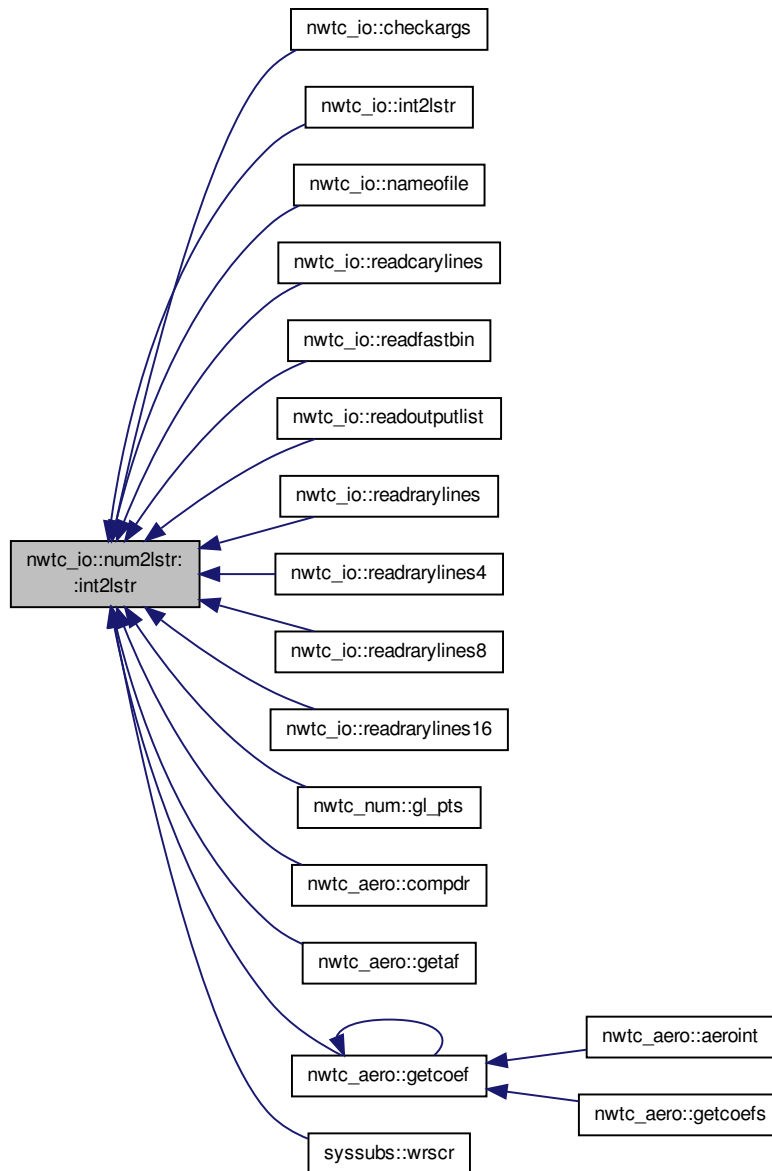
Definition at line 1097 of file tempassembled.f90.

3.25.2 Member Function/Subroutine Documentation

3.25.2.1 character(11) function nwtc_io::num2lstr::int2lstr (integer, intent(in) *Intgr*)

Definition at line 2296 of file tempassembled.f90.

Here is the caller graph for this function:

3.25.2.2 character(11) function nwtc_io::num2lstr::int2lstr (integer, intent(in) *Intgr*)

Definition at line 16166 of file tempassembled.f90.

3.25.2.3 character(11) function nwtc_io::num2lstr::int2lstr (integer, intent(in) *Intgr*)

Definition at line 30036 of file tempassembled.f90.

3.25.2.4 character(11) function nwtc_io::num2lstr::int2lstr (integer, intent(in) *Intgr*)

Definition at line 43906 of file tempassembled.f90.

3.25.2.5 character(15) function nwtc_io::num2lstr::r2lstr16 (real(quki), intent(in) *FltNum*)

Definition at line 44573 of file tempassembled.f90.

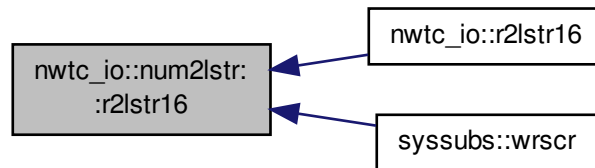
3.25.2.6 character(15) function nwtc_io::num2lstr::r2lstr16 (real(quki), intent(in) *FltNum*)

Definition at line 16833 of file tempassembled.f90.

3.25.2.7 character(15) function nwtc_io::num2lstr::r2lstr16 (real(quki), intent(in) *FltNum*)

Definition at line 2963 of file tempassembled.f90.

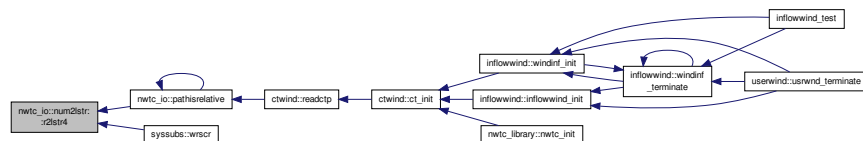
Here is the caller graph for this function:

3.25.2.8 character(15) function nwtc_io::num2lstr::r2lstr16 (real(quki), intent(in) *FltNum*)

Definition at line 30703 of file tempassembled.f90.

3.25.2.9 nwtc_io::num2lstr::r2lstr4 ()

Here is the caller graph for this function:



3.25.2.10 nwtc_io::num2lstr::r2lstr4 ()

3.25.2.11 `nwtc_io::num2lstr::r2lstr4 ()`

3.25.2.12 `nwtc_io::num2lstr::r2lstr4 ()`

3.25.2.13 `character(15) function nwtc_io::num2lstr::r2lstr8 (real(r8ki), intent(in) FltNum)`

Definition at line 44538 of file `tempassembled.f90`.

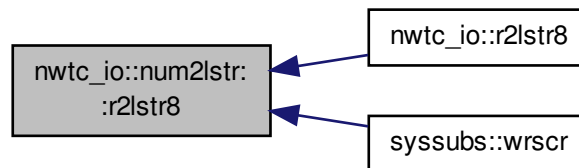
3.25.2.14 `character(15) function nwtc_io::num2lstr::r2lstr8 (real(r8ki), intent(in) FltNum)`

Definition at line 30668 of file `tempassembled.f90`.

3.25.2.15 `character(15) function nwtc_io::num2lstr::r2lstr8 (real(r8ki), intent(in) FltNum)`

Definition at line 2928 of file `tempassembled.f90`.

Here is the caller graph for this function:



3.25.2.16 `character(15) function nwtc_io::num2lstr::r2lstr8 (real(r8ki), intent(in) FltNum)`

Definition at line 16798 of file `tempassembled.f90`.

The documentation for this interface was generated from the following files:

- [tempassembled.f90](#)

3.26 nwtc_aero Module Reference

Data Types

- type [aerodata](#)
- type [aerotable](#)
- type [alfindx](#)
- type [elmtable](#)

Public Member Functions

- subroutine [aeroint](#) (ISeg, Alpha, Re, AF_Table, IntData, DoCl, DoCd, DoCm, DoCpmin, ErrStat)
- subroutine [compdr](#) (NumSeg, RLoc, HubRad, RotorRad, DimenInp, DelRLoc, ErrStat)
- subroutine [getaf](#) (AF_File, AF_Table, ISeg)

- real(reki) function [getcoef](#) (ISeg, Alpha, AlfaTab, CoefTab, NumRows, Ind, ErrStat)
- subroutine [getcoefs](#) (ISeg, Alpha, Re, AF_Table, ClInt, CdInt, Cmlnt, CpminInt, DoCl, DoCd, DoCm, DoCpmin, ErrStat)
- subroutine [aeroint](#) (ISeg, Alpha, Re, AF_Table, IntData, DoCl, DoCd, DoCm, DoCpmin, ErrStat)
- subroutine [compdr](#) (NumSeg, RLoc, HubRad, RotorRad, DimenInp, DelRLoc, ErrStat)
- subroutine [getaf](#) (AF_File, AF_Table, ISeg)
- real(reki) function [getcoef](#) (ISeg, Alpha, AlfaTab, CoefTab, NumRows, Ind, ErrStat)
- subroutine [getcoefs](#) (ISeg, Alpha, Re, AF_Table, ClInt, CdInt, Cmlnt, CpminInt, DoCl, DoCd, DoCm, DoCpmin, ErrStat)
- subroutine [aeroint](#) (ISeg, Alpha, Re, AF_Table, IntData, DoCl, DoCd, DoCm, DoCpmin, ErrStat)
- subroutine [compdr](#) (NumSeg, RLoc, HubRad, RotorRad, DimenInp, DelRLoc, ErrStat)
- subroutine [getaf](#) (AF_File, AF_Table, ISeg)
- real(reki) function [getcoef](#) (ISeg, Alpha, AlfaTab, CoefTab, NumRows, Ind, ErrStat)
- subroutine [getcoefs](#) (ISeg, Alpha, Re, AF_Table, ClInt, CdInt, Cmlnt, CpminInt, DoCl, DoCd, DoCm, DoCpmin, ErrStat)
- subroutine [aeroint](#) (ISeg, Alpha, Re, AF_Table, IntData, DoCl, DoCd, DoCm, DoCpmin, ErrStat)
- subroutine [compdr](#) (NumSeg, RLoc, HubRad, RotorRad, DimenInp, DelRLoc, ErrStat)
- subroutine [getaf](#) (AF_File, AF_Table, ISeg)
- real(reki) function [getcoef](#) (ISeg, Alpha, AlfaTab, CoefTab, NumRows, Ind, ErrStat)
- subroutine [getcoefs](#) (ISeg, Alpha, Re, AF_Table, ClInt, CdInt, Cmlnt, CpminInt, DoCl, DoCd, DoCm, DoCpmin, ErrStat)

Public Attributes

- logical [usecm](#) = .FALSE.
- logical [usecpmin](#) = .FALSE.

3.26.1 Detailed Description

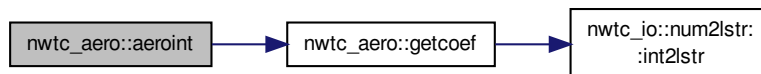
Definition at line 5951 of file tempassembled.f90.

3.26.2 Member Function/Subroutine Documentation

- 3.26.2.1 subroutine `nwtc_aero::aeroint` (integer, intent(in) *ISeg*, real(reki), intent(in) *Alpha*, real(reki), intent(in) *Re*, type(*elmtable*), intent(inout) *AF_Table*, type(*aerodata*), intent(out) *IntData*, logical, intent(in) *DoCl*, logical, intent(in) *DoCd*, logical, intent(in) *DoCm*, logical, intent(in) *DoCpmin*, integer, intent(out), optional *ErrStat*)

Definition at line 6032 of file tempassembled.f90.

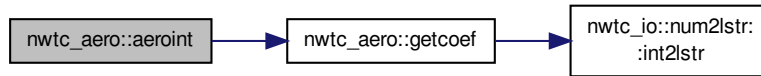
Here is the call graph for this function:



3.26.2.2 subroutine `nwtc_aero::aeroint` (integer, intent(in) *ISeg*, real(reki), intent(in) *Alpha*, real(reki), intent(in) *Re*, type(`elmtable`), intent(inout) *AF_Table*, type(`aerodata`), intent(out) *IntData*, logical, intent(in) *DoCl*, logical, intent(in) *DoCd*, logical, intent(in) *DoCm*, logical, intent(in) *DoCpmin*, integer, intent(out), optional *ErrStat*)

Definition at line 33772 of file `tempassembled.f90`.

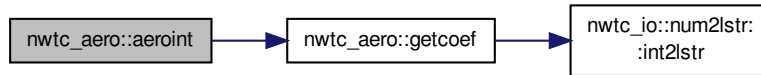
Here is the call graph for this function:



3.26.2.3 subroutine `nwtc_aero::aeroint` (integer, intent(in) *ISeg*, real(reki), intent(in) *Alpha*, real(reki), intent(in) *Re*, type(`elmtable`), intent(inout) *AF_Table*, type(`aerodata`), intent(out) *IntData*, logical, intent(in) *DoCl*, logical, intent(in) *DoCd*, logical, intent(in) *DoCm*, logical, intent(in) *DoCpmin*, integer, intent(out), optional *ErrStat*)

Definition at line 47642 of file `tempassembled.f90`.

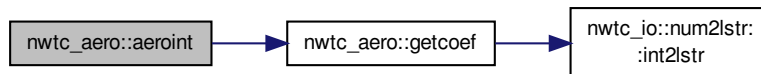
Here is the call graph for this function:



3.26.2.4 subroutine `nwtc_aero::aeroint` (integer, intent(in) *ISeg*, real(reki), intent(in) *Alpha*, real(reki), intent(in) *Re*, type(`elmtable`), intent(inout) *AF_Table*, type(`aerodata`), intent(out) *IntData*, logical, intent(in) *DoCl*, logical, intent(in) *DoCd*, logical, intent(in) *DoCm*, logical, intent(in) *DoCpmin*, integer, intent(out), optional *ErrStat*)

Definition at line 19902 of file `tempassembled.f90`.

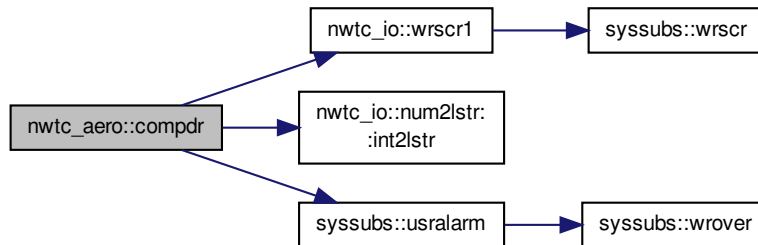
Here is the call graph for this function:



3.26.2.5 subroutine `nwtc_aero::compdr` (integer, intent(in) *NumSeg*, real(reki), dimension (numseg), intent(in) *RLoc*, real(reki), intent(in) *HubRad*, real(reki), intent(in) *RotorRad*, logical, intent(in) *DimenInp*, real(reki), dimension (numseg), intent(out) *DelRLoc*, integer, intent(out), optional *ErrStat*)

Definition at line 47831 of file `tempassembled.f90`.

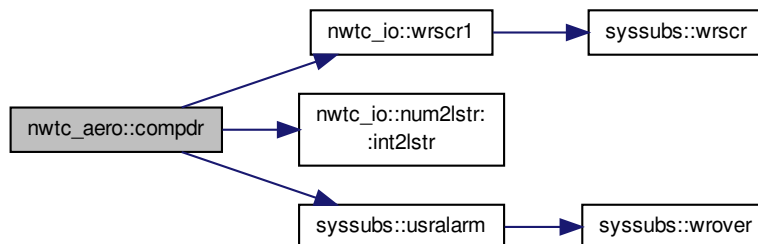
Here is the call graph for this function:



3.26.2.6 subroutine `nwtc_aero::compdr` (integer, intent(in) *NumSeg*, real(reki), dimension (numseg), intent(in) *RLoc*, real(reki), intent(in) *HubRad*, real(reki), intent(in) *RotorRad*, logical, intent(in) *DimenInp*, real(reki), dimension (numseg), intent(out) *DelRLoc*, integer, intent(out), optional *ErrStat*)

Definition at line 6221 of file `tempassembled.f90`.

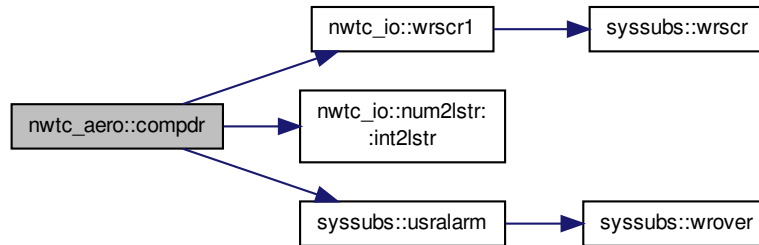
Here is the call graph for this function:



3.26.2.7 subroutine `nwtc_aero::compdr` (integer, intent(in) *NumSeg*, real(reki), dimension (numseg), intent(in) *RLoc*, real(reki), intent(in) *HubRad*, real(reki), intent(in) *RotorRad*, logical, intent(in) *DimenInp*, real(reki), dimension (numseg), intent(out) *DelRLoc*, integer, intent(out), optional *ErrStat*)

Definition at line 33961 of file `tempassembled.f90`.

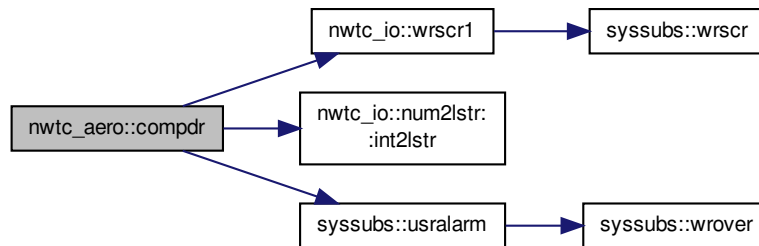
Here is the call graph for this function:



3.26.2.8 subroutine `nwtc_aero::compdr` (integer, intent(in) *NumSeg*, real(*reki*), dimension (numseg), intent(in) *RLoc*, real(*reki*), intent(in) *HubRad*, real(*reki*), intent(in) *RotorRad*, logical, intent(in) *DimenInp*, real(*reki*), dimension (numseg), intent(out) *DelRLoc*, integer, intent(out), optional *ErrStat*)

Definition at line 20091 of file `tempassembled.f90`.

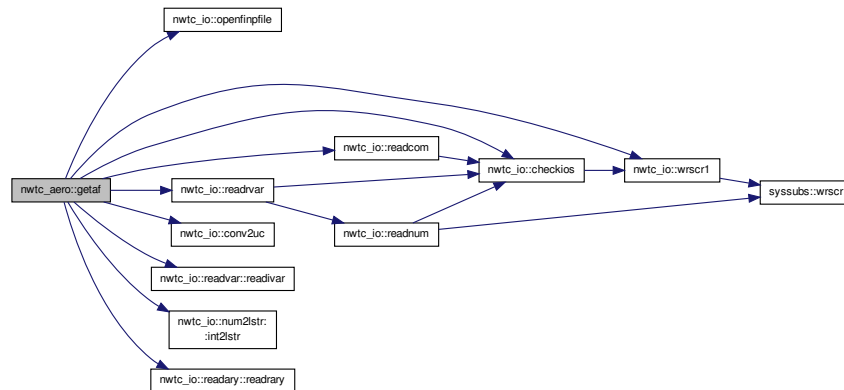
Here is the call graph for this function:



3.26.2.9 subroutine `nwtc_aero::getaf` (character(*), intent(in) *AF_File*, type (elmtable), intent(out) *AF_Table*, integer, intent(in) *ISeg*)

Definition at line 20190 of file `tempassembled.f90`.

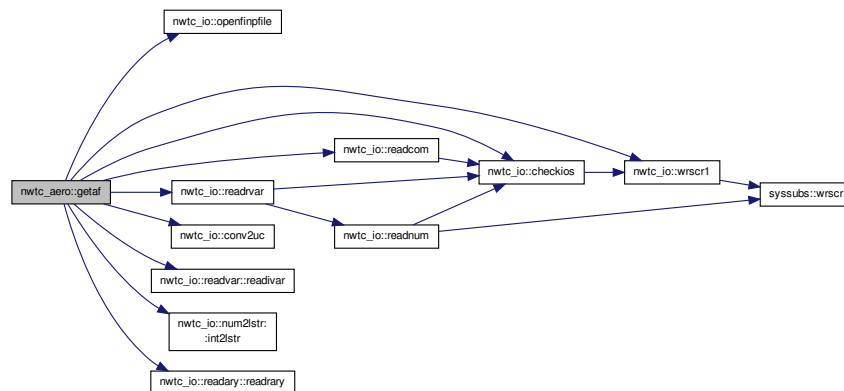
Here is the call graph for this function:



3.26.2.10 subroutine nwtc_aero::getaf (character(*), intent(in) *AF_File*, type(elmtable), intent(out) *AF_Table*, integer, intent(in) *ISeg*)

Definition at line 47930 of file tempassembled.f90.

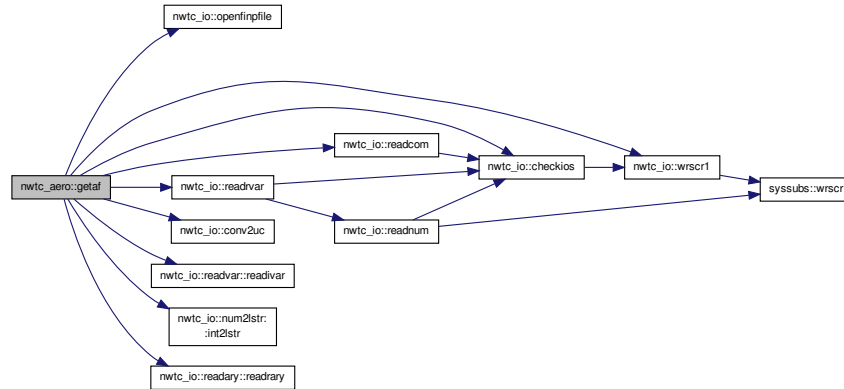
Here is the call graph for this function:



3.26.2.11 subroutine nwtc_aero::getaf (character(*), intent(in) *AF_File*, type(elmtable), intent(out) *AF_Table*, integer, intent(in) *ISeg*)

Definition at line 6320 of file tempassembled.f90.

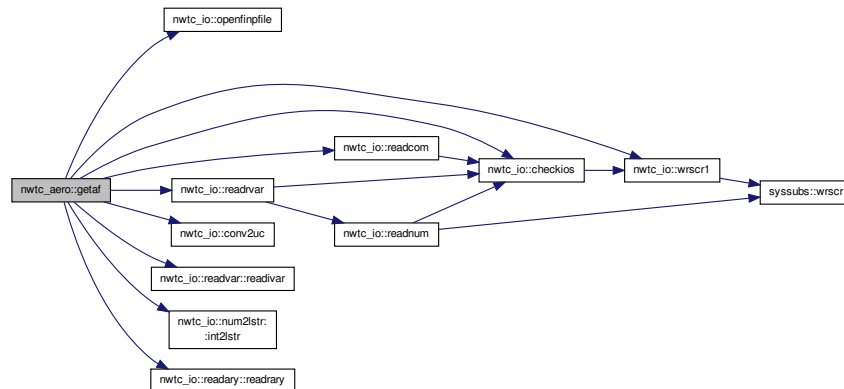
Here is the call graph for this function:



3.26.2.12 subroutine nwtc_aero::getaf (character(*), intent(in) *AF_File*, type(elmtable), intent(out) *AF_Table*, integer, intent(in) *ISeg*)

Definition at line 34060 of file tempassembled.f90.

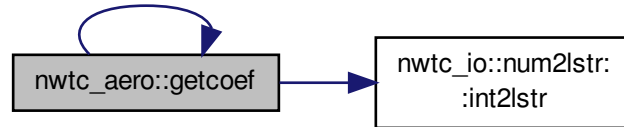
Here is the call graph for this function:



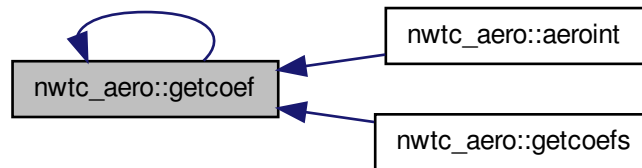
3.26.2.13 real(reki) function nwtc_aero::getcoef (integer, intent(in) *ISeg*, real(reki), intent(in) *Alpha*, real(reki), dimension (numrows), intent(in) *AlfaTab*, real(reki), dimension (numrows), intent(in) *CoefTab*, integer, intent(in) *NumRows*, integer, intent(inout) *Ind*, integer, intent(out), optional *ErrStat*)

Definition at line 6860 of file tempassembled.f90.

Here is the call graph for this function:



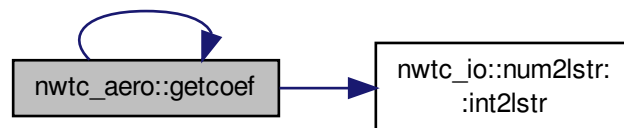
Here is the caller graph for this function:



3.26.2.14 `real(reki) function nwtc_aero::getcoef (integer, intent(in) ISeg, real(reki), intent(in) Alpha, real(reki), dimension (numrows), intent(in) AlfaTab, real(reki), dimension (numrows), intent(in) CoefTab, integer, intent(in) NumRows, integer, intent(inout) Ind, integer, intent(out), optional ErrStat)`

Definition at line 20730 of file `tempassembled.f90`.

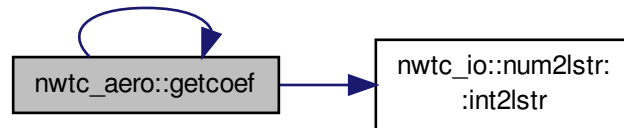
Here is the call graph for this function:



3.26.2.15 `real(reki) function nwtc_aero::getcoef (integer, intent(in) ISeg, real(reki), intent(in) Alpha, real(reki), dimension (numrows), intent(in) AlfaTab, real(reki), dimension (numrows), intent(in) CoefTab, integer, intent(in) NumRows, integer, intent(inout) Ind, integer, intent(out), optional ErrStat)`

Definition at line 48470 of file `tempassembled.f90`.

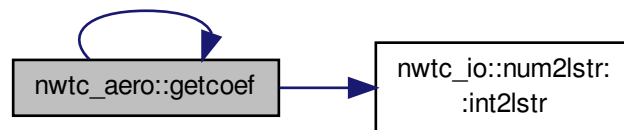
Here is the call graph for this function:



3.26.2.16 `real(reki) function nwtc_aero::getcoef (integer, intent(in) ISeg, real(reki), intent(in) Alpha, real(reki), dimension (numrows), intent(in) AlfaTab, real(reki), dimension (numrows), intent(in) CoefTab, integer, intent(in) NumRows, integer, intent(inout) Ind, integer, intent(out), optional ErrStat)`

Definition at line 34600 of file `tempassembled.f90`.

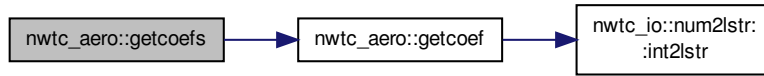
Here is the call graph for this function:



3.26.2.17 `subroutine nwtc_aero::getcoefs (integer, intent(in) ISeg, real(reki), intent(in) Alpha, real(reki), intent(in) Re, type (elmtable), intent(inout) AF_Table, real(reki), intent(out) ClInt, real(reki), intent(out) CdInt, real(reki), intent(out) CmInt, real(reki), intent(out) CpminInt, logical, intent(in) DoCl, logical, intent(in) DoCd, logical, intent(in) DoCm, logical, intent(in) DoCpmin, integer, intent(out), optional ErrStat)`

Definition at line 48521 of file `tempassembled.f90`.

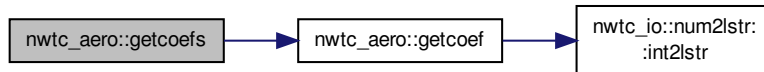
Here is the call graph for this function:



3.26.2.18 subroutine `nwtc_aero::getcoefs` (integer, intent(in) *ISeg*, real(reki), intent(in) *Alpha*, real(reki), intent(in) *Re*, type (elmtable), intent(inout) *AF_Table*, real(reki), intent(out) *ClInt*, real(reki), intent(out) *CdInt*, real(reki), intent(out) *CmInt*, real(reki), intent(out) *CpminInt*, logical, intent(in) *DoCl*, logical, intent(in) *DoCd*, logical, intent(in) *DoCm*, logical, intent(in) *DoCpmin*, integer, intent(out), optional *ErrStat*)

Definition at line 34651 of file `tempassembled.f90`.

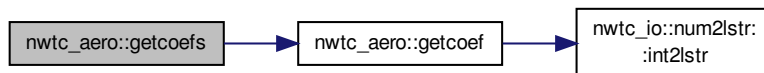
Here is the call graph for this function:



3.26.2.19 subroutine `nwtc_aero::getcoefs` (integer, intent(in) *ISeg*, real(reki), intent(in) *Alpha*, real(reki), intent(in) *Re*, type (elmtable), intent(inout) *AF_Table*, real(reki), intent(out) *ClInt*, real(reki), intent(out) *CdInt*, real(reki), intent(out) *CmInt*, real(reki), intent(out) *CpminInt*, logical, intent(in) *DoCl*, logical, intent(in) *DoCd*, logical, intent(in) *DoCm*, logical, intent(in) *DoCpmin*, integer, intent(out), optional *ErrStat*)

Definition at line 6911 of file `tempassembled.f90`.

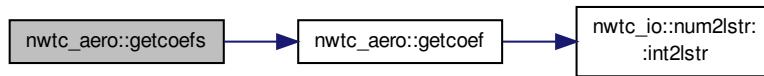
Here is the call graph for this function:



3.26.2.20 subroutine `nwtc_aero::getcoefs` (integer, intent(in) *ISeg*, real(reki), intent(in) *Alpha*, real(reki), intent(in) *Re*, type (elmtable), intent(inout) *AF_Table*, real(reki), intent(out) *ClInt*, real(reki), intent(out) *CdInt*, real(reki), intent(out) *CmInt*, real(reki), intent(out) *CpminInt*, logical, intent(in) *DoCl*, logical, intent(in) *DoCd*, logical, intent(in) *DoCm*, logical, intent(in) *DoCpmin*, integer, intent(out), optional *ErrStat*)

Definition at line 20781 of file `tempassembled.f90`.

Here is the call graph for this function:



3.26.3 Member Data Documentation

3.26.3.1 logical nwtc_aero::usecm = .FALSE.

Definition at line 6025 of file `tempassembled.f90`.

3.26.3.2 logical nwtc_aero::usecpmin = .FALSE.

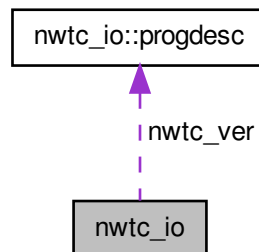
Definition at line 6026 of file `tempassembled.f90`.

The documentation for this module was generated from the following file:

- [tempassembled.f90](#)

3.27 nwtc_io Module Reference

Collaboration diagram for `nwtc_io`:



Data Types

- interface [allocary](#)
- interface [dispnvd](#)
- type [fastdatatype](#)
- interface [num2lstr](#)

- type [progdsc](#)
- interface [readary](#)
- interface [readarylines](#)
- interface [readvar](#)

Public Member Functions

- subroutine [adjrealstr](#) (NumStr)
- subroutine [allcary1](#) (Ary, AryDim, Descr, ErrStat)
- subroutine [allcary2](#) (Ary, AryDim1, AryDim2, Descr, ErrStat)
- subroutine [allcary3](#) (Ary, AryDim1, AryDim2, AryDim3, Descr, ErrStat)
- subroutine [alliary1](#) (Ary, AryDim, Descr, ErrStat)
- subroutine [alliary2](#) (Ary, AryDim1, AryDim2, Descr, ErrStat)
- subroutine [alliary3](#) (Ary, AryDim1, AryDim2, AryDim3, Descr, ErrStat)
- subroutine [alllary1](#) (Ary, AryDim, Descr, ErrStat)
- subroutine [alllary2](#) (Ary, AryDim1, AryDim2, Descr, ErrStat)
- subroutine [alllary3](#) (Ary, AryDim1, AryDim2, AryDim3, Descr, ErrStat)
- subroutine [allrary1](#) (Ary, AryDim, Descr, ErrStat)
- subroutine [allrary2](#) (Ary, AryDim1, AryDim2, Descr, ErrStat)
- subroutine [allrary3](#) (Ary, AryDim1, AryDim2, AryDim3, Descr, ErrStat)
- subroutine [allrary4](#) (Ary, AryDim1, AryDim2, AryDim3, AryDim4, Descr, ErrStat)
- subroutine [checkios](#) (IOS, Fil, Variable, VarType, TrapErrors)
- subroutine [checkargs](#) (InputFile, ErrStat)
- subroutine [closeecho](#) ()
- subroutine [conv2uc](#) (Str)
- integer function [countwords](#) (Line)
- character(11) function [curdate](#) ()
- character(8) function [curtime](#) ()
- subroutine [dispnvd0](#)
- subroutine [dispnvd1](#) (ProgInfo)
- subroutine [dispnvd2](#) (Name, Ver)
- character(15) function [flt2lstr](#) (FltNum)
- subroutine [getnewunit](#) (UnIn)
- character(200) function [getnvd](#) (ProgInfo)
- subroutine [getpath](#) (GivenFil, PathName)
- subroutine [getroot](#) (GivenFil, RootName)
- subroutine [gettokens](#) (Line, NumTok, Tokens, Error)
- subroutine [getwords](#) (Line, Words, NumWords)
- character(11) function [int2lstr](#) (Intgr)
- subroutine [nameofile](#) (InArg, OutExten, OutFile, ErrStat)
- subroutine [normstop](#)
- subroutine [openbin](#) (Un, OutFile, RecLen, ErrStat)
- subroutine [openbinpfile](#) (Un, InFile, ErrStat)
- subroutine [openecho](#) (Un, OutFile, ErrStat)
- subroutine [openfinpfile](#) (Un, InFile, ErrStat)
- subroutine [openfoutfile](#) (Un, OutFile, ErrStat)
- subroutine [openfunkfile](#) (Un, OutFile, FailAbt, Failed, Exists, ErrStat)
- subroutine [openuinfile](#) (Un, InFile, ErrStat)
- subroutine [openuinbefile](#) (Un, InFile, RecLen, ErrStat)
- subroutine [openuoutfile](#) (Un, OutFile, ErrStat)

- logical function [pathisrelative](#) (GivenFil)
- character(15) function [r2lstr8](#) (FltNum)
- character(15) function [r2lstr16](#) (FltNum)
- subroutine [readcary](#) (UnIn, Fil, CharAry, AryLen, AryName, AryDescr, ErrStat)
- subroutine [readcarylines](#) (UnIn, Fil, CharAry, AryLen, AryName, AryDescr, ErrStat)
- subroutine [readcom](#) (UnIn, Fil, ComName, ErrStat)
- subroutine [readcvar](#) (UnIn, Fil, CharVar, VarName, VarDescr, ErrStat)
- subroutine [readfastbin](#) (UnIn, FASTdata, ErrLev, ErrMsg)
- subroutine [readiary](#) (UnIn, Fil, IntAry, AryLen, AryName, AryDescr, ErrStat)
- subroutine [readivar](#) (UnIn, Fil, IntVar, VarName, VarDescr, ErrStat)
- subroutine [readlary](#) (UnIn, Fil, LogAry, AryLen, AryName, AryDescr, ErrStat)
- subroutine [readlvar](#) (UnIn, Fil, LogVar, VarName, VarDescr, ErrStat)
- subroutine [readnum](#) (UnIn, Fil, Word, VarName, ErrStat)
- subroutine [readoutputlist](#) (UnIn, Fil, CharAry, AryLenRead, AryName, AryDescr, ErrStat)
- subroutine [readrary](#) (UnIn, Fil, RealAry, AryLen, AryName, AryDescr, ErrStat)
- subroutine [readrarylines](#) (UnIn, Fil, RealAry, AryLen, AryName, AryDescr, ErrStat)
- subroutine [readrarylines4](#) (UnIn, Fil, RealAry, AryLen, AryName, AryDescr, ErrStat)
- subroutine [readrarylines8](#) (UnIn, Fil, RealAry, AryLen, AryName, AryDescr, ErrStat)
- subroutine [readrarylines16](#) (UnIn, Fil, RealAry, AryLen, AryName, AryDescr, ErrStat)
- subroutine [readrvar](#) (UnIn, Fil, RealVar, VarName, VarDescr, ErrStat)
- subroutine [readr4var](#) (UnIn, Fil, RealVar, VarName, VarDescr, ErrStat)
- subroutine [readr8var](#) (UnIn, Fil, RealVar, VarName, VarDescr, ErrStat)
- subroutine [readr16var](#) (UnIn, Fil, RealVar, VarName, VarDescr, ErrStat)
- subroutine [readstr](#) (UnIn, Fil, CharVar, VarName, VarDescr, ErrStat)
- subroutine [waittime](#) (WaitSecs)
- subroutine [wrpr](#) (Str)
- subroutine [wrfilenr](#) (Unit, Str)
- subroutine [wrml](#) (Str)
- subroutine [wrscr1](#) (Str)
- subroutine [adjrealstr](#) (NumStr)
- subroutine [allcary1](#) (Ary, AryDim, Descr, ErrStat)
- subroutine [allcary2](#) (Ary, AryDim1, AryDim2, Descr, ErrStat)
- subroutine [allcary3](#) (Ary, AryDim1, AryDim2, AryDim3, Descr, ErrStat)
- subroutine [alliary1](#) (Ary, AryDim, Descr, ErrStat)
- subroutine [alliary2](#) (Ary, AryDim1, AryDim2, Descr, ErrStat)
- subroutine [alliary3](#) (Ary, AryDim1, AryDim2, AryDim3, Descr, ErrStat)
- subroutine [alllary1](#) (Ary, AryDim, Descr, ErrStat)
- subroutine [alllary2](#) (Ary, AryDim1, AryDim2, Descr, ErrStat)
- subroutine [alllary3](#) (Ary, AryDim1, AryDim2, AryDim3, Descr, ErrStat)
- subroutine [allrary1](#) (Ary, AryDim, Descr, ErrStat)
- subroutine [allrary2](#) (Ary, AryDim1, AryDim2, Descr, ErrStat)
- subroutine [allrary3](#) (Ary, AryDim1, AryDim2, AryDim3, Descr, ErrStat)
- subroutine [allrary4](#) (Ary, AryDim1, AryDim2, AryDim3, AryDim4, Descr, ErrStat)
- subroutine [checkios](#) (IOS, Fil, Variable, VarType, TrapErrors)
- subroutine [checkargs](#) (InputFile, ErrStat)
- subroutine [closeecho](#) ()
- subroutine [conv2uc](#) (Str)
- integer function [countwords](#) (Line)
- character(11) function [curdate](#) ()
- character(8) function [curtime](#) ()
- subroutine [dispnvd0](#)

- subroutine [dispnvd1](#) (ProgInfo)
- subroutine [dispnvd2](#) (Name, Ver)
- character(15) function [flt2lstr](#) (FltNum)
- subroutine [getnewunit](#) (UnIn)
- character(200) function [getnvd](#) (ProgInfo)
- subroutine [getpath](#) (GivenFil, PathName)
- subroutine [getroot](#) (GivenFil, RootName)
- subroutine [gettokens](#) (Line, NumTok, Tokens, Error)
- subroutine [getwords](#) (Line, Words, NumWords)
- character(11) function [int2lstr](#) (Intgr)
- subroutine [nameofile](#) (InArg, OutExten, OutFile, ErrStat)
- subroutine [normstop](#)
- subroutine [openbin](#) (Un, OutFile, RecLen, ErrStat)
- subroutine [openbinfile](#) (Un, InFile, ErrStat)
- subroutine [openecho](#) (Un, OutFile, ErrStat)
- subroutine [openfinfile](#) (Un, InFile, ErrStat)
- subroutine [openfoutfile](#) (Un, OutFile, ErrStat)
- subroutine [openfunkfile](#) (Un, OutFile, FailAbt, Failed, Exists, ErrStat)
- subroutine [openuinfile](#) (Un, InFile, ErrStat)
- subroutine [openuinbfile](#) (Un, InFile, RecLen, ErrStat)
- subroutine [openuoutfile](#) (Un, OutFile, ErrStat)
- logical function [pathisrelative](#) (GivenFil)
- character(15) function [r2lstr8](#) (FltNum)
- character(15) function [r2lstr16](#) (FltNum)
- subroutine [readcary](#) (UnIn, Fil, CharAry, AryLen, AryName, AryDescr, ErrStat)
- subroutine [readcarylines](#) (UnIn, Fil, CharAry, AryLen, AryName, AryDescr, ErrStat)
- subroutine [readcom](#) (UnIn, Fil, ComName, ErrStat)
- subroutine [readcvar](#) (UnIn, Fil, CharVar, VarName, VarDescr, ErrStat)
- subroutine [readfastbin](#) (UnIn, FASTdata, ErrLev, ErrMsg)
- subroutine [readiary](#) (UnIn, Fil, IntAry, AryLen, AryName, AryDescr, ErrStat)
- subroutine [readivar](#) (UnIn, Fil, IntVar, VarName, VarDescr, ErrStat)
- subroutine [readlary](#) (UnIn, Fil, LogAry, AryLen, AryName, AryDescr, ErrStat)
- subroutine [readlvar](#) (UnIn, Fil, LogVar, VarName, VarDescr, ErrStat)
- subroutine [readnum](#) (UnIn, Fil, Word, VarName, ErrStat)
- subroutine [readoutputlist](#) (UnIn, Fil, CharAry, AryLenRead, AryName, AryDescr, ErrStat)
- subroutine [readrary](#) (UnIn, Fil, RealAry, AryLen, AryName, AryDescr, ErrStat)
- subroutine [readrarylines](#) (UnIn, Fil, RealAry, AryLen, AryName, AryDescr, ErrStat)
- subroutine [readrarylines4](#) (UnIn, Fil, RealAry, AryLen, AryName, AryDescr, ErrStat)
- subroutine [readrarylines8](#) (UnIn, Fil, RealAry, AryLen, AryName, AryDescr, ErrStat)
- subroutine [readrarylines16](#) (UnIn, Fil, RealAry, AryLen, AryName, AryDescr, ErrStat)
- subroutine [readrvar](#) (UnIn, Fil, RealVar, VarName, VarDescr, ErrStat)
- subroutine [readr4var](#) (UnIn, Fil, RealVar, VarName, VarDescr, ErrStat)
- subroutine [readr8var](#) (UnIn, Fil, RealVar, VarName, VarDescr, ErrStat)
- subroutine [readr16var](#) (UnIn, Fil, RealVar, VarName, VarDescr, ErrStat)
- subroutine [readstr](#) (UnIn, Fil, CharVar, VarName, VarDescr, ErrStat)
- subroutine [waittime](#) (WaitSecs)
- subroutine [wrpr](#) (Str)
- subroutine [wrfilenr](#) (Unit, Str)
- subroutine [wrml](#) (Str)
- subroutine [wrscr1](#) (Str)
- subroutine [adjrealstr](#) (NumStr)

- subroutine [allcary1](#) (Ary, AryDim, Descr, ErrStat)
- subroutine [allcary2](#) (Ary, AryDim1, AryDim2, Descr, ErrStat)
- subroutine [allcary3](#) (Ary, AryDim1, AryDim2, AryDim3, Descr, ErrStat)
- subroutine [alliary1](#) (Ary, AryDim, Descr, ErrStat)
- subroutine [alliary2](#) (Ary, AryDim1, AryDim2, Descr, ErrStat)
- subroutine [alliary3](#) (Ary, AryDim1, AryDim2, AryDim3, Descr, ErrStat)
- subroutine [alllary1](#) (Ary, AryDim, Descr, ErrStat)
- subroutine [alllary2](#) (Ary, AryDim1, AryDim2, Descr, ErrStat)
- subroutine [alllary3](#) (Ary, AryDim1, AryDim2, AryDim3, Descr, ErrStat)
- subroutine [allrary1](#) (Ary, AryDim, Descr, ErrStat)
- subroutine [allrary2](#) (Ary, AryDim1, AryDim2, Descr, ErrStat)
- subroutine [allrary3](#) (Ary, AryDim1, AryDim2, AryDim3, Descr, ErrStat)
- subroutine [allrary4](#) (Ary, AryDim1, AryDim2, AryDim3, AryDim4, Descr, ErrStat)
- subroutine [checkios](#) (IOS, Fil, Variable, VarType, TrapErrors)
- subroutine [checkargs](#) (InputFile, ErrStat)
- subroutine [closeecho](#) ()
- subroutine [conv2uc](#) (Str)
- integer function [countwords](#) (Line)
- character(11) function [curdate](#) ()
- character(8) function [curtime](#) ()
- subroutine [dispnvd0](#)
- subroutine [dispnvd1](#) (ProgInfo)
- subroutine [dispnvd2](#) (Name, Ver)
- character(15) function [flt2lstr](#) (FltNum)
- subroutine [getnewunit](#) (UnIn)
- character(200) function [getnvd](#) (ProgInfo)
- subroutine [getpath](#) (GivenFil, PathName)
- subroutine [getroot](#) (GivenFil, RootName)
- subroutine [gettokens](#) (Line, NumTok, Tokens, Error)
- subroutine [getwords](#) (Line, Words, NumWords)
- character(11) function [int2lstr](#) (Intgr)
- subroutine [nameofile](#) (InArg, OutExten, OutFile, ErrStat)
- subroutine [normstop](#)
- subroutine [openbin](#) (Un, OutFile, RecLen, ErrStat)
- subroutine [openbinpfile](#) (Un, InFile, ErrStat)
- subroutine [openecho](#) (Un, OutFile, ErrStat)
- subroutine [openfinpfile](#) (Un, InFile, ErrStat)
- subroutine [openfoutfile](#) (Un, OutFile, ErrStat)
- subroutine [openfunkfile](#) (Un, OutFile, FailAbt, Failed, Exists, ErrStat)
- subroutine [openuinfile](#) (Un, InFile, ErrStat)
- subroutine [openuinbefile](#) (Un, InFile, RecLen, ErrStat)
- subroutine [openuoutfile](#) (Un, OutFile, ErrStat)
- logical function [pathisrelative](#) (GivenFil)
- character(15) function [r2lstr8](#) (FltNum)
- character(15) function [r2lstr16](#) (FltNum)
- subroutine [readcary](#) (UnIn, Fil, CharAry, AryLen, AryName, AryDescr, ErrStat)
- subroutine [readcarylines](#) (UnIn, Fil, CharAry, AryLen, AryName, AryDescr, ErrStat)
- subroutine [readcom](#) (UnIn, Fil, ComName, ErrStat)
- subroutine [readcvar](#) (UnIn, Fil, CharVar, VarName, VarDescr, ErrStat)
- subroutine [readfastbin](#) (UnIn, FASTdata, ErrLev, ErrMsg)
- subroutine [readiary](#) (UnIn, Fil, IntAry, AryLen, AryName, AryDescr, ErrStat)

- subroutine [readivar](#) (UnIn, Fil, IntVar, VarName, VarDescr, ErrStat)
- subroutine [readlary](#) (UnIn, Fil, LogAry, AryLen, AryName, AryDescr, ErrStat)
- subroutine [readlvar](#) (UnIn, Fil, LogVar, VarName, VarDescr, ErrStat)
- subroutine [readnum](#) (UnIn, Fil, Word, VarName, ErrStat)
- subroutine [readoutputlist](#) (UnIn, Fil, CharAry, AryLenRead, AryName, AryDescr, ErrStat)
- subroutine [readrary](#) (UnIn, Fil, RealAry, AryLen, AryName, AryDescr, ErrStat)
- subroutine [readrarilynes](#) (UnIn, Fil, RealAry, AryLen, AryName, AryDescr, ErrStat)
- subroutine [readrarilynes4](#) (UnIn, Fil, RealAry, AryLen, AryName, AryDescr, ErrStat)
- subroutine [readrarilynes8](#) (UnIn, Fil, RealAry, AryLen, AryName, AryDescr, ErrStat)
- subroutine [readrarilynes16](#) (UnIn, Fil, RealAry, AryLen, AryName, AryDescr, ErrStat)
- subroutine [readrvar](#) (UnIn, Fil, RealVar, VarName, VarDescr, ErrStat)
- subroutine [readr4var](#) (UnIn, Fil, RealVar, VarName, VarDescr, ErrStat)
- subroutine [readr8var](#) (UnIn, Fil, RealVar, VarName, VarDescr, ErrStat)
- subroutine [readr16var](#) (UnIn, Fil, RealVar, VarName, VarDescr, ErrStat)
- subroutine [readstr](#) (UnIn, Fil, CharVar, VarName, VarDescr, ErrStat)
- subroutine [waittime](#) (WaitSecs)
- subroutine [wrpr](#) (Str)
- subroutine [wrfilenr](#) (Unit, Str)
- subroutine [wrml](#) (Str)
- subroutine [wrscr1](#) (Str)
- subroutine [adjrealstr](#) (NumStr)
- subroutine [allcary1](#) (Ary, AryDim, Descr, ErrStat)
- subroutine [allcary2](#) (Ary, AryDim1, AryDim2, Descr, ErrStat)
- subroutine [allcary3](#) (Ary, AryDim1, AryDim2, AryDim3, Descr, ErrStat)
- subroutine [alliary1](#) (Ary, AryDim, Descr, ErrStat)
- subroutine [alliary2](#) (Ary, AryDim1, AryDim2, Descr, ErrStat)
- subroutine [alliary3](#) (Ary, AryDim1, AryDim2, AryDim3, Descr, ErrStat)
- subroutine [alllary1](#) (Ary, AryDim, Descr, ErrStat)
- subroutine [alllary2](#) (Ary, AryDim1, AryDim2, Descr, ErrStat)
- subroutine [alllary3](#) (Ary, AryDim1, AryDim2, AryDim3, Descr, ErrStat)
- subroutine [allrary1](#) (Ary, AryDim, Descr, ErrStat)
- subroutine [allrary2](#) (Ary, AryDim1, AryDim2, Descr, ErrStat)
- subroutine [allrary3](#) (Ary, AryDim1, AryDim2, AryDim3, Descr, ErrStat)
- subroutine [allrary4](#) (Ary, AryDim1, AryDim2, AryDim3, AryDim4, Descr, ErrStat)
- subroutine [checkios](#) (IOS, Fil, Variable, VarType, TrapErrors)
- subroutine [checkargs](#) (InputFile, ErrStat)
- subroutine [closeecho](#) ()
- subroutine [conv2uc](#) (Str)
- integer function [countwords](#) (Line)
- character(11) function [curdate](#) ()
- character(8) function [curtime](#) ()
- subroutine [dispnvd0](#)
- subroutine [dispnvd1](#) (ProgInfo)
- subroutine [dispnvd2](#) (Name, Ver)
- character(15) function [flt2lstr](#) (FltNum)
- subroutine [getnewunit](#) (UnIn)
- character(200) function [getnvd](#) (ProgInfo)
- subroutine [getpath](#) (GivenFil, PathName)
- subroutine [getroot](#) (GivenFil, RootName)
- subroutine [gettokens](#) (Line, NumTok, Tokens, Error)
- subroutine [getwords](#) (Line, Words, NumWords)

- character(11) function [int2lstr](#) (Intgr)
- subroutine [nameofile](#) (InArg, OutExten, OutFile, ErrStat)
- subroutine [normstop](#)
- subroutine [openbin](#) (Un, OutFile, RecLen, ErrStat)
- subroutine [openbinpfile](#) (Un, InFile, ErrStat)
- subroutine [openecho](#) (Un, OutFile, ErrStat)
- subroutine [openfinpfile](#) (Un, InFile, ErrStat)
- subroutine [openfoutfile](#) (Un, OutFile, ErrStat)
- subroutine [openfunkfile](#) (Un, OutFile, FailAbt, Failed, Exists, ErrStat)
- subroutine [openuinfile](#) (Un, InFile, ErrStat)
- subroutine [openuinbfile](#) (Un, InFile, RecLen, ErrStat)
- subroutine [openuoutfile](#) (Un, OutFile, ErrStat)
- logical function [pathisrelative](#) (GivenFil)
- character(15) function [r2lstr8](#) (FltNum)
- character(15) function [r2lstr16](#) (FltNum)
- subroutine [readcary](#) (UnIn, Fil, CharAry, AryLen, AryName, AryDescr, ErrStat)
- subroutine [readcarylines](#) (UnIn, Fil, CharAry, AryLen, AryName, AryDescr, ErrStat)
- subroutine [readcom](#) (UnIn, Fil, ComName, ErrStat)
- subroutine [readcvar](#) (UnIn, Fil, CharVar, VarName, VarDescr, ErrStat)
- subroutine [readfastbin](#) (UnIn, FASTdata, ErrLev, ErrMsg)
- subroutine [readiary](#) (UnIn, Fil, IntAry, AryLen, AryName, AryDescr, ErrStat)
- subroutine [readivar](#) (UnIn, Fil, IntVar, VarName, VarDescr, ErrStat)
- subroutine [readlary](#) (UnIn, Fil, LogAry, AryLen, AryName, AryDescr, ErrStat)
- subroutine [readlvar](#) (UnIn, Fil, LogVar, VarName, VarDescr, ErrStat)
- subroutine [readnum](#) (UnIn, Fil, Word, VarName, ErrStat)
- subroutine [readoutputlist](#) (UnIn, Fil, CharAry, AryLenRead, AryName, AryDescr, ErrStat)
- subroutine [readrary](#) (UnIn, Fil, RealAry, AryLen, AryName, AryDescr, ErrStat)
- subroutine [readrarylines](#) (UnIn, Fil, RealAry, AryLen, AryName, AryDescr, ErrStat)
- subroutine [readrarylines4](#) (UnIn, Fil, RealAry, AryLen, AryName, AryDescr, ErrStat)
- subroutine [readrarylines8](#) (UnIn, Fil, RealAry, AryLen, AryName, AryDescr, ErrStat)
- subroutine [readrarylines16](#) (UnIn, Fil, RealAry, AryLen, AryName, AryDescr, ErrStat)
- subroutine [readrvar](#) (UnIn, Fil, RealVar, VarName, VarDescr, ErrStat)
- subroutine [readr4var](#) (UnIn, Fil, RealVar, VarName, VarDescr, ErrStat)
- subroutine [readr8var](#) (UnIn, Fil, RealVar, VarName, VarDescr, ErrStat)
- subroutine [readr16var](#) (UnIn, Fil, RealVar, VarName, VarDescr, ErrStat)
- subroutine [readstr](#) (UnIn, Fil, CharVar, VarName, VarDescr, ErrStat)
- subroutine [waittime](#) (WaitSecs)
- subroutine [wrpr](#) (Str)
- subroutine [wrfilenr](#) (Unit, Str)
- subroutine [wrml](#) (Str)
- subroutine [wrscr1](#) (Str)

Public Attributes

- integer(intki), parameter [errid_none](#) = 0
- integer(intki), parameter [errid_info](#) = 1
- integer(intki), parameter [errid_warn](#) = 2
- integer(intki), parameter [errid_severe](#) = 3
- integer(intki), parameter [errid_fatal](#) = 4
- integer(intki) [aborterrlev](#) = ErrID_Fatal

3.27.2.7 subroutine nwtc_io::allcary1 (character(*), dimension (:), allocatable *Ary*, integer, intent(in) *AryDim*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 28900 of file tempassembled.f90.

3.27.2.8 subroutine nwtc_io::allcary1 (character(*), dimension (:), allocatable *Ary*, integer, intent(in) *AryDim*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 42770 of file tempassembled.f90.

3.27.2.9 subroutine nwtc_io::allcary2 (character(*), dimension (:,:), allocatable *Ary*, integer, intent(in) *AryDim1*, integer, intent(in) *AryDim2*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 15063 of file tempassembled.f90.

3.27.2.10 subroutine nwtc_io::allcary2 (character(*), dimension (:,:), allocatable *Ary*, integer, intent(in) *AryDim1*, integer, intent(in) *AryDim2*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 28933 of file tempassembled.f90.

3.27.2.11 subroutine nwtc_io::allcary2 (character(*), dimension (:,:), allocatable *Ary*, integer, intent(in) *AryDim1*, integer, intent(in) *AryDim2*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 1193 of file tempassembled.f90.

3.27.2.12 subroutine nwtc_io::allcary2 (character(*), dimension (:,:), allocatable *Ary*, integer, intent(in) *AryDim1*, integer, intent(in) *AryDim2*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 42803 of file tempassembled.f90.

3.27.2.13 subroutine nwtc_io::allcary3 (character(*), dimension (:,:,:), allocatable *Ary*, integer, intent(in) *AryDim1*, integer, intent(in) *AryDim2*, integer, intent(in) *AryDim3*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 1226 of file tempassembled.f90.

3.27.2.14 subroutine nwtc_io::allcary3 (character(*), dimension (:,:,:), allocatable *Ary*, integer, intent(in) *AryDim1*, integer, intent(in) *AryDim2*, integer, intent(in) *AryDim3*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 28966 of file tempassembled.f90.

3.27.2.15 subroutine nwtc_io::allcary3 (character(*), dimension (:,:,:), allocatable *Ary*, integer, intent(in) *AryDim1*, integer, intent(in) *AryDim2*, integer, intent(in) *AryDim3*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 15096 of file tempassembled.f90.

3.27.2.16 subroutine nwtc_io::allcary3 (character(*), dimension (:,:,:), allocatable *Ary*, integer, intent(in) *AryDim1*, integer, intent(in) *AryDim2*, integer, intent(in) *AryDim3*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 42836 of file tempassembled.f90.

3.27.2.17 subroutine nwtc_io::alliary1 (integer, dimension (:), allocatable *Ary*, integer, intent(in) *AryDim*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 29002 of file tempassembled.f90.

3.27.2.18 subroutine nwtc_io::allary1 (integer, dimension (:), allocatable *Ary*, integer, intent(in) *AryDim*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 15132 of file tempassembled.f90.

3.27.2.19 subroutine nwtc_io::allary1 (integer, dimension (:), allocatable *Ary*, integer, intent(in) *AryDim*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 1262 of file tempassembled.f90.

3.27.2.20 subroutine nwtc_io::allary1 (integer, dimension (:), allocatable *Ary*, integer, intent(in) *AryDim*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 42872 of file tempassembled.f90.

3.27.2.21 subroutine nwtc_io::allary2 (integer, dimension (:,:), allocatable *Ary*, integer, intent(in) *AryDim1*, integer, intent(in) *AryDim2*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 29034 of file tempassembled.f90.

3.27.2.22 subroutine nwtc_io::allary2 (integer, dimension (:,:), allocatable *Ary*, integer, intent(in) *AryDim1*, integer, intent(in) *AryDim2*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 15164 of file tempassembled.f90.

3.27.2.23 subroutine nwtc_io::allary2 (integer, dimension (:,:), allocatable *Ary*, integer, intent(in) *AryDim1*, integer, intent(in) *AryDim2*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 1294 of file tempassembled.f90.

3.27.2.24 subroutine nwtc_io::allary2 (integer, dimension (:,:), allocatable *Ary*, integer, intent(in) *AryDim1*, integer, intent(in) *AryDim2*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 42904 of file tempassembled.f90.

3.27.2.25 subroutine nwtc_io::allary3 (integer, dimension (:,:,:), allocatable *Ary*, integer, intent(in) *AryDim1*, integer, intent(in) *AryDim2*, integer, intent(in) *AryDim3*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 29067 of file tempassembled.f90.

3.27.2.26 subroutine nwtc_io::allary3 (integer, dimension (:,:,:), allocatable *Ary*, integer, intent(in) *AryDim1*, integer, intent(in) *AryDim2*, integer, intent(in) *AryDim3*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 15197 of file tempassembled.f90.

3.27.2.27 subroutine nwtc_io::allary3 (integer, dimension (:,:,:), allocatable *Ary*, integer, intent(in) *AryDim1*, integer, intent(in) *AryDim2*, integer, intent(in) *AryDim3*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 42937 of file tempassembled.f90.

3.27.2.28 subroutine nwtc_io::allary3 (integer, dimension (:,:,:), allocatable *Ary*, integer, intent(in) *AryDim1*, integer, intent(in) *AryDim2*, integer, intent(in) *AryDim3*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 1327 of file tempassembled.f90.

3.27.2.29 subroutine nwtc_io::allary1 (logical, dimension (:), allocatable *Ary*, integer, intent(in) *AryDim*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 1362 of file tempassembled.f90.

3.27.2.30 subroutine nwtc_io::allary1 (logical, dimension (:), allocatable *Ary*, integer, intent(in) *AryDim*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 29102 of file tempassembled.f90.

3.27.2.31 subroutine nwtc_io::allary1 (logical, dimension (:), allocatable *Ary*, integer, intent(in) *AryDim*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 15232 of file tempassembled.f90.

3.27.2.32 subroutine nwtc_io::allary1 (logical, dimension (:), allocatable *Ary*, integer, intent(in) *AryDim*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 42972 of file tempassembled.f90.

3.27.2.33 subroutine nwtc_io::allary2 (logical, dimension (:,:), allocatable *Ary*, integer, intent(in) *AryDim1*, integer, intent(in) *AryDim2*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 1396 of file tempassembled.f90.

3.27.2.34 subroutine nwtc_io::allary2 (logical, dimension (:,:), allocatable *Ary*, integer, intent(in) *AryDim1*, integer, intent(in) *AryDim2*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 29136 of file tempassembled.f90.

3.27.2.35 subroutine nwtc_io::allary2 (logical, dimension (:,:), allocatable *Ary*, integer, intent(in) *AryDim1*, integer, intent(in) *AryDim2*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 15266 of file tempassembled.f90.

3.27.2.36 subroutine nwtc_io::allary2 (logical, dimension (:,:), allocatable *Ary*, integer, intent(in) *AryDim1*, integer, intent(in) *AryDim2*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 43006 of file tempassembled.f90.

3.27.2.37 subroutine nwtc_io::allary3 (logical, dimension (:,:,:), allocatable *Ary*, integer, intent(in) *AryDim1*, integer, intent(in) *AryDim2*, integer, intent(in) *AryDim3*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 29171 of file tempassembled.f90.

3.27.2.38 subroutine nwtc_io::allary3 (logical, dimension (:,:,:), allocatable *Ary*, integer, intent(in) *AryDim1*, integer, intent(in) *AryDim2*, integer, intent(in) *AryDim3*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 1431 of file tempassembled.f90.

3.27.2.39 subroutine nwtc_io::allary3 (logical, dimension (:,:,:), allocatable *Ary*, integer, intent(in) *AryDim1*, integer, intent(in) *AryDim2*, integer, intent(in) *AryDim3*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 15301 of file tempassembled.f90.

3.27.2.40 subroutine `nwtc_io::allary3` (logical, dimension (:,:), allocatable *Ary*, integer, intent(in) *AryDim1*, integer, intent(in) *AryDim2*, integer, intent(in) *AryDim3*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 43041 of file `tempassembled.f90`.

3.27.2.41 subroutine `nwtc_io::allary1` (real(*reki*), dimension (:), allocatable *Ary*, integer, intent(in) *AryDim*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 29207 of file `tempassembled.f90`.

3.27.2.42 subroutine `nwtc_io::allary1` (real(*reki*), dimension (:), allocatable *Ary*, integer, intent(in) *AryDim*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 15337 of file `tempassembled.f90`.

3.27.2.43 subroutine `nwtc_io::allary1` (real(*reki*), dimension (:), allocatable *Ary*, integer, intent(in) *AryDim*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 1467 of file `tempassembled.f90`.

3.27.2.44 subroutine `nwtc_io::allary1` (real(*reki*), dimension (:), allocatable *Ary*, integer, intent(in) *AryDim*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 43077 of file `tempassembled.f90`.

3.27.2.45 subroutine `nwtc_io::allary2` (real(*reki*), dimension (:,:), allocatable *Ary*, integer, intent(in) *AryDim1*, integer, intent(in) *AryDim2*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 29241 of file `tempassembled.f90`.

3.27.2.46 subroutine `nwtc_io::allary2` (real(*reki*), dimension (:,:), allocatable *Ary*, integer, intent(in) *AryDim1*, integer, intent(in) *AryDim2*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 15371 of file `tempassembled.f90`.

3.27.2.47 subroutine `nwtc_io::allary2` (real(*reki*), dimension (:,:), allocatable *Ary*, integer, intent(in) *AryDim1*, integer, intent(in) *AryDim2*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 1501 of file `tempassembled.f90`.

3.27.2.48 subroutine `nwtc_io::allary2` (real(*reki*), dimension (:,:), allocatable *Ary*, integer, intent(in) *AryDim1*, integer, intent(in) *AryDim2*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 43111 of file `tempassembled.f90`.

3.27.2.49 subroutine `nwtc_io::allary3` (real(*reki*), dimension (:,:), allocatable *Ary*, integer, intent(in) *AryDim1*, integer, intent(in) *AryDim2*, integer, intent(in) *AryDim3*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 29276 of file `tempassembled.f90`.

3.27.2.50 subroutine `nwtc_io::allary3` (real(*reki*), dimension (:,:), allocatable *Ary*, integer, intent(in) *AryDim1*, integer, intent(in) *AryDim2*, integer, intent(in) *AryDim3*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 15406 of file `tempassembled.f90`.

3.27.2.51 subroutine nwtc_io::allrary3 (real(reki), dimension (:,:,:), allocatable *Ary*, integer, intent(in) *AryDim1*, integer, intent(in) *AryDim2*, integer, intent(in) *AryDim3*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 1536 of file tempassembled.f90.

3.27.2.52 subroutine nwtc_io::allrary3 (real(reki), dimension (:,:,:), allocatable *Ary*, integer, intent(in) *AryDim1*, integer, intent(in) *AryDim2*, integer, intent(in) *AryDim3*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 43146 of file tempassembled.f90.

3.27.2.53 subroutine nwtc_io::allrary4 (real(reki), dimension (:,:,:,:), allocatable *Ary*, integer, intent(in) *AryDim1*, integer, intent(in) *AryDim2*, integer, intent(in) *AryDim3*, integer, intent(in) *AryDim4*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 29312 of file tempassembled.f90.

3.27.2.54 subroutine nwtc_io::allrary4 (real(reki), dimension (:,:,:,:), allocatable *Ary*, integer, intent(in) *AryDim1*, integer, intent(in) *AryDim2*, integer, intent(in) *AryDim3*, integer, intent(in) *AryDim4*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 15442 of file tempassembled.f90.

3.27.2.55 subroutine nwtc_io::allrary4 (real(reki), dimension (:,:,:,:), allocatable *Ary*, integer, intent(in) *AryDim1*, integer, intent(in) *AryDim2*, integer, intent(in) *AryDim3*, integer, intent(in) *AryDim4*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 1572 of file tempassembled.f90.

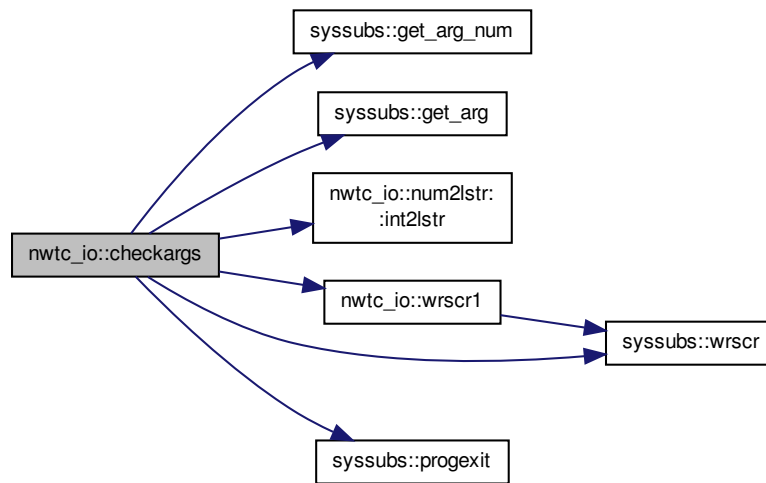
3.27.2.56 subroutine nwtc_io::allrary4 (real(reki), dimension (:,:,:,:), allocatable *Ary*, integer, intent(in) *AryDim1*, integer, intent(in) *AryDim2*, integer, intent(in) *AryDim3*, integer, intent(in) *AryDim4*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 43182 of file tempassembled.f90.

3.27.2.57 subroutine nwtc_io::checkargs (character(*), intent(inout) *InputFile*, integer, intent(out), optional *ErrStat*)

Definition at line 1660 of file tempassembled.f90.

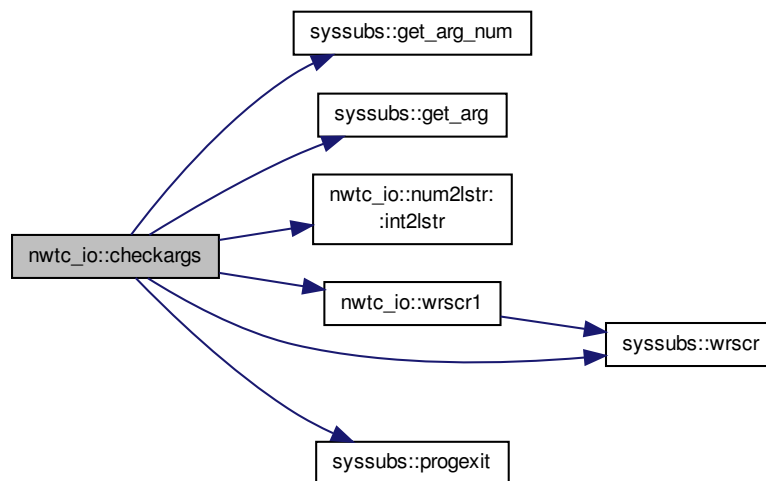
Here is the call graph for this function:



3.27.2.58 subroutine `nwtc_io::checkargs` (`character(*)`, `intent(inout) InputFile`, `integer`, `intent(out)`, optional `ErrStat`)

Definition at line 29400 of file `tempassembled.f90`.

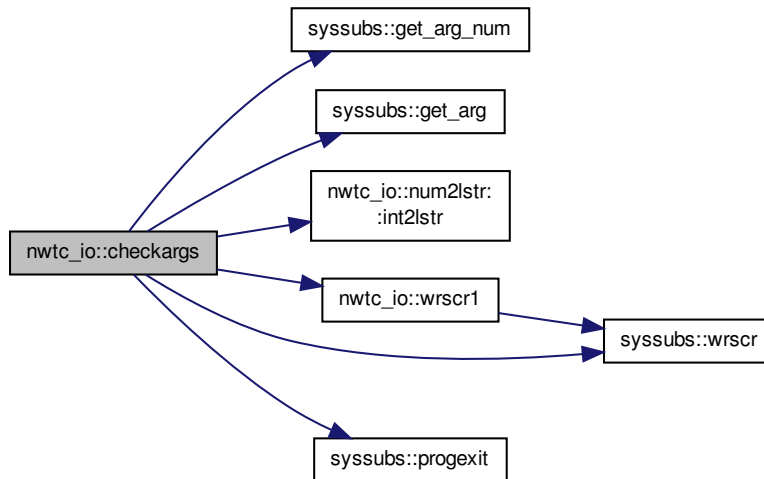
Here is the call graph for this function:



3.27.2.59 subroutine `nwtc_io::checkargs` (`character(*)`, `intent(inout)` *InputFile*, `integer`, `intent(out)`, optional *ErrStat*)

Definition at line 15530 of file `tempassembled.f90`.

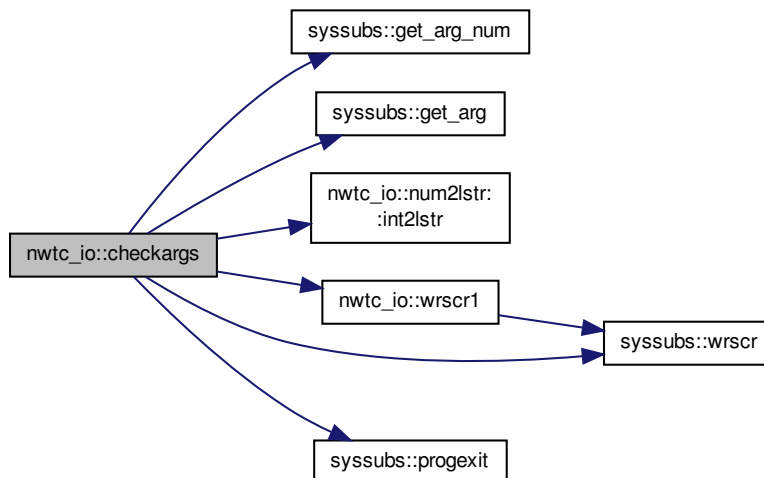
Here is the call graph for this function:



3.27.2.60 subroutine `nwtc_io::checkargs` (`character(*)`, `intent(inout)` *InputFile*, `integer`, `intent(out)`, optional *ErrStat*)

Definition at line 43270 of file `tempassembled.f90`.

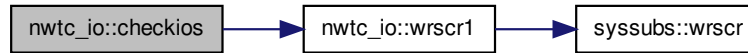
Here is the call graph for this function:



3.27.2.61 subroutine nwtc_io::checkios (integer, intent(in) *IOS*, character(*), intent(in) *Fil*, character(*), intent(in) *Variable*, integer, intent(in) *VarType*, logical, intent(in), optional *TrapErrors*)

Definition at line 29350 of file tempassembled.f90.

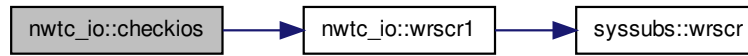
Here is the call graph for this function:



3.27.2.62 subroutine nwtc_io::checkios (integer, intent(in) *IOS*, character(*), intent(in) *Fil*, character(*), intent(in) *Variable*, integer, intent(in) *VarType*, logical, intent(in), optional *TrapErrors*)

Definition at line 15480 of file tempassembled.f90.

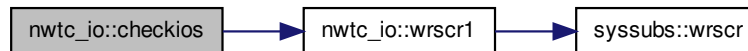
Here is the call graph for this function:



3.27.2.63 subroutine nwtc_io::checkios (integer, intent(in) *IOS*, character(*), intent(in) *Fil*, character(*), intent(in) *Variable*, integer, intent(in) *VarType*, logical, intent(in), optional *TrapErrors*)

Definition at line 43220 of file tempassembled.f90.

Here is the call graph for this function:



3.27.2.64 subroutine nwtc_io::checkios (integer, intent(in) *IOS*, character(*), intent(in) *Fil*, character(*), intent(in) *Variable*, integer, intent(in) *VarType*, logical, intent(in), optional *TrapErrors*)

Definition at line 1610 of file tempassembled.f90.


```
graph LR; nwtc_io::checkios --> nwtc_io::wrscr1; nwtc_io::wrscr1 --> syssubs::wrscr
```

[illegible]

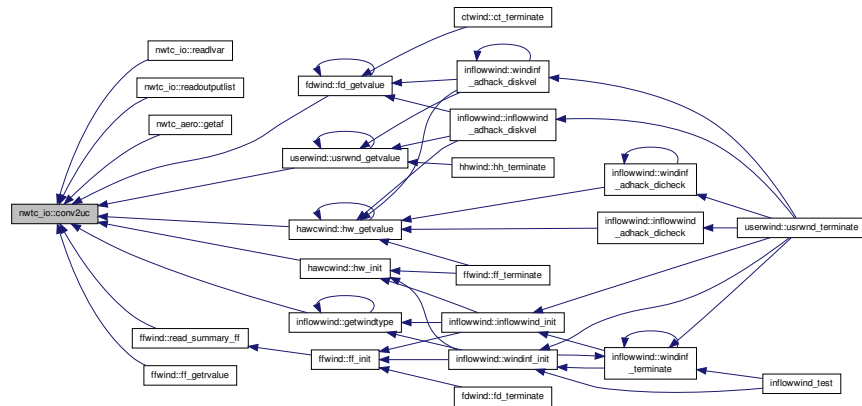
Definition at line 1747 of file tempassembled.f90.

Definition at line 29487 of file tempassembled.f90.

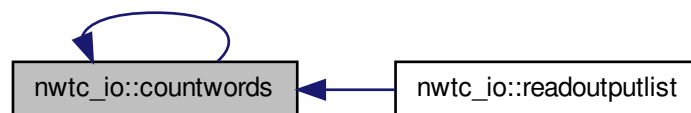
Definition at line 15617 of file tempassembled.f90.

Definition at line 43357 of file tempassembled.f90.

Here is the caller graph for this function:



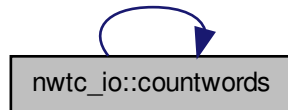
Here is the caller graph for this function:



3.27.2.74 integer function nwtc_io::countwords (character(*), intent(in) Line)

Definition at line 29528 of file tempassembled.f90.

Here is the call graph for this function:

**3.27.2.75 integer function nwtc_io::countwords (character(*), intent(in) Line)**

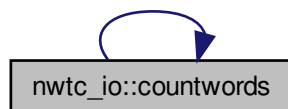
Definition at line 15658 of file tempassembled.f90.

Here is the call graph for this function:

**3.27.2.76 integer function nwtc_io::countwords (character(*), intent(in) Line)**

Definition at line 43398 of file tempassembled.f90.

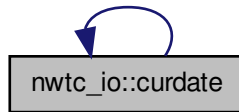
Here is the call graph for this function:



3.27.2.77 character(11) function nwtc_io::curdate ()

Definition at line 1847 of file tempassembled.f90.

Here is the caller graph for this function:

**3.27.2.78** character(11) function nwtc_io::curdate ()

Definition at line 29587 of file tempassembled.f90.

Here is the call graph for this function:

**3.27.2.79** character(11) function nwtc_io::curdate ()

Definition at line 15717 of file tempassembled.f90.

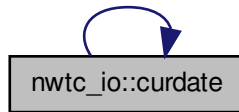
Here is the call graph for this function:



3.27.2.80 character(11) function nwtc_io::curdate ()

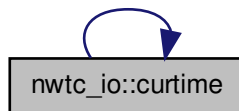
Definition at line 43457 of file tempassembled.f90.

Here is the call graph for this function:

**3.27.2.81** character(8) function nwtc_io::curtime ()

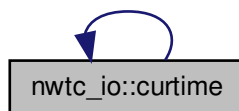
Definition at line 29652 of file tempassembled.f90.

Here is the call graph for this function:

**3.27.2.82** character(8) function nwtc_io::curtime ()

Definition at line 1912 of file tempassembled.f90.

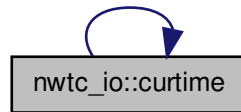
Here is the caller graph for this function:



3.27.2.83 character(8) function nwtc_io::curtime ()

Definition at line 15782 of file tempassembled.f90.

Here is the call graph for this function:

**3.27.2.84** character(8) function nwtc_io::curtime ()

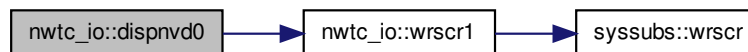
Definition at line 43522 of file tempassembled.f90.

Here is the call graph for this function:

**3.27.2.85** subroutine nwtc_io::dispnvd0 ()

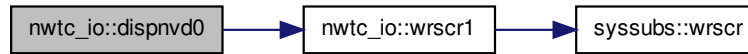
Definition at line 29677 of file tempassembled.f90.

Here is the call graph for this function:

**3.27.2.86** subroutine nwtc_io::dispnvd0 ()

Definition at line 1937 of file tempassembled.f90.

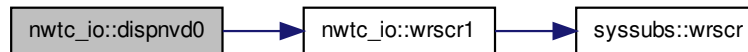
Here is the call graph for this function:



3.27.2.87 subroutine `nwtc_io::dispnvd0 ()`

Definition at line 15807 of file `tempassembled.f90`.

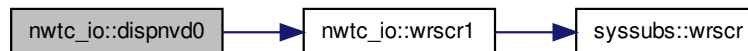
Here is the call graph for this function:



3.27.2.88 subroutine `nwtc_io::dispnvd0 ()`

Definition at line 43547 of file `tempassembled.f90`.

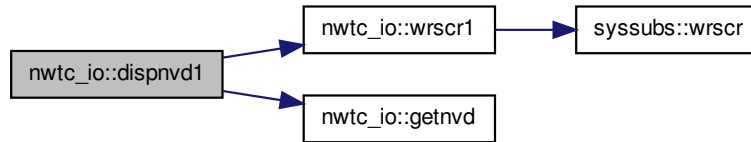
Here is the call graph for this function:



3.27.2.89 subroutine `nwtc_io::dispnvd1 (type(progdesc), intent(in) ProgInfo)`

Definition at line 29691 of file `tempassembled.f90`.

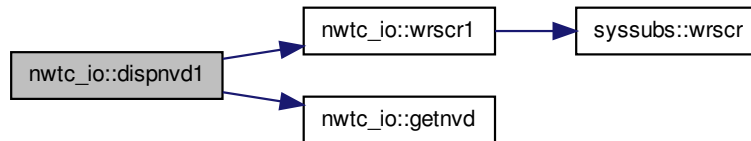
Here is the call graph for this function:



3.27.2.90 subroutine `nwtc_io::dispnvd1` (type(progdesc), intent(in) *ProgInfo*)

Definition at line 1951 of file `tempassembled.f90`.

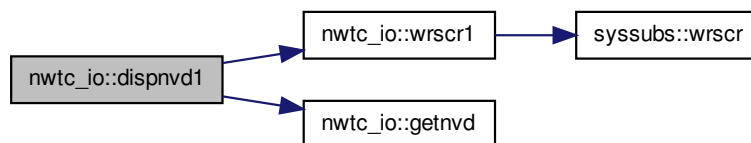
Here is the call graph for this function:



3.27.2.91 subroutine `nwtc_io::dispnvd1` (type(progdesc), intent(in) *ProgInfo*)

Definition at line 15821 of file `tempassembled.f90`.

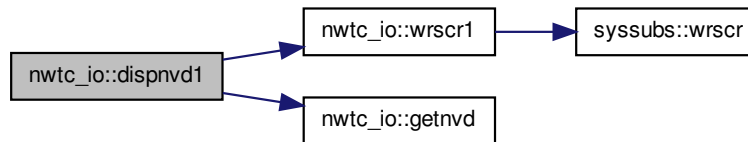
Here is the call graph for this function:



3.27.2.92 subroutine `nwtc_io::dispnvd1` (type(progdesc), intent(in) *ProgInfo*)

Definition at line 43561 of file `tempassembled.f90`.

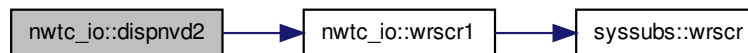
Here is the call graph for this function:



3.27.2.93 subroutine nwtc_io::dispnvd2 (character(*), intent(in) *Name*, character(*), intent(in) *Ver*)

Definition at line 29709 of file `tempassembled.f90`.

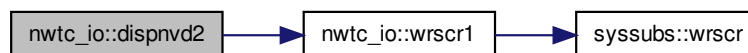
Here is the call graph for this function:



3.27.2.94 subroutine nwtc_io::dispnvd2 (character(*), intent(in) *Name*, character(*), intent(in) *Ver*)

Definition at line 1969 of file `tempassembled.f90`.

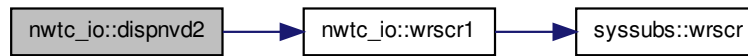
Here is the call graph for this function:



3.27.2.95 subroutine nwtc_io::dispnvd2 (character(*), intent(in) *Name*, character(*), intent(in) *Ver*)

Definition at line 15839 of file `tempassembled.f90`.

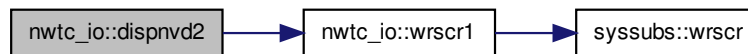
Here is the call graph for this function:



3.27.2.96 subroutine `nwtc_io::dispnvd2` (`character(*)`, `intent(in) Name`, `character(*)`, `intent(in) Ver`)

Definition at line 43579 of file `tempassembled.f90`.

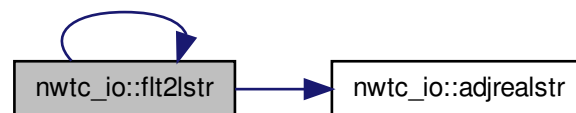
Here is the call graph for this function:



3.27.2.97 `character(15)` function `nwtc_io::flt2lstr` (`real(reki)`, `intent(in) FltNum`)

Definition at line 29728 of file `tempassembled.f90`.

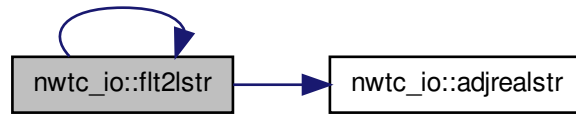
Here is the call graph for this function:



3.27.2.98 `character(15)` function `nwtc_io::flt2lstr` (`real(reki)`, `intent(in) FltNum`)

Definition at line 15858 of file `tempassembled.f90`.

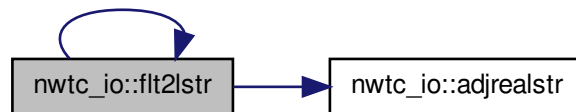
Here is the call graph for this function:



3.27.2.99 character(15) function nwtc_io::flt2lstr (real(reki), intent(in) *FltNum*)

Definition at line 1988 of file `tempassembled.f90`.

Here is the call graph for this function:



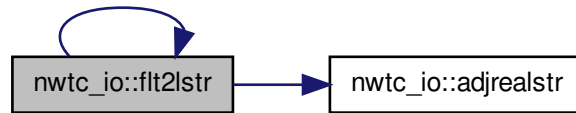
Here is the caller graph for this function:



3.27.2.100 character(15) function nwtc_io::flt2lstr (real(reki), intent(in) *FltNum*)

Definition at line 43598 of file `tempassembled.f90`.

Here is the call graph for this function:



3.27.2.101 subroutine `nwtc_io::getnewunit` (integer, intent(out) *Unln*)

Definition at line 29766 of file `tempassembled.f90`.

3.27.2.102 subroutine `nwtc_io::getnewunit` (integer, intent(out) *Unln*)

Definition at line 15896 of file `tempassembled.f90`.

3.27.2.103 subroutine `nwtc_io::getnewunit` (integer, intent(out) *Unln*)

Definition at line 2026 of file `tempassembled.f90`.

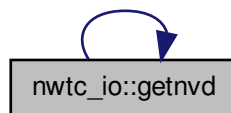
3.27.2.104 subroutine `nwtc_io::getnewunit` (integer, intent(out) *Unln*)

Definition at line 43636 of file `tempassembled.f90`.

3.27.2.105 character(200) function `nwtc_io::getnvd` (type(*progdsc*), intent(in) *ProgInfo*)

Definition at line 29801 of file `tempassembled.f90`.

Here is the call graph for this function:



3.27.2.106 character(200) function `nwtc_io::getnvd` (type(*progdsc*), intent(in) *ProgInfo*)

Definition at line 15931 of file `tempassembled.f90`.

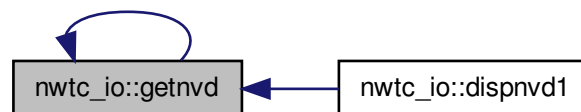
Here is the call graph for this function:



3.27.2.107 `character(200) function nwtc_io::getnvd (type(progdesc), intent(in) ProgInfo)`

Definition at line 2061 of file `tempassembled.f90`.

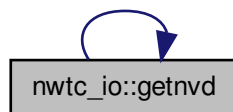
Here is the caller graph for this function:



3.27.2.108 `character(200) function nwtc_io::getnvd (type(progdesc), intent(in) ProgInfo)`

Definition at line 43671 of file `tempassembled.f90`.

Here is the call graph for this function:



3.27.2.109 `subroutine nwtc_io::getpath (character(*), intent(in) GivenFil, character(*), intent(out) PathName)`

Definition at line 29825 of file `tempassembled.f90`.

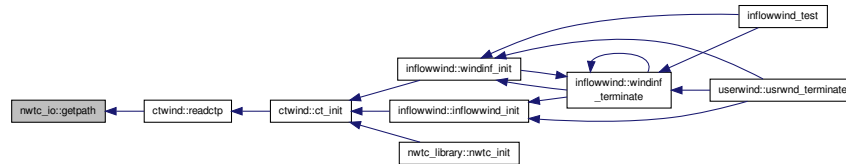
3.27.2.110 subroutine nwtc_io::getpath (character(*), intent(in) *GivenFil*, character(*), intent(out) *PathName*)

Definition at line 15955 of file tempassembled.f90.

3.27.2.111 subroutine nwtc_io::getpath (character(*), intent(in) *GivenFil*, character(*), intent(out) *PathName*)

Definition at line 2085 of file tempassembled.f90.

Here is the caller graph for this function:



3.27.2.112 subroutine nwtc_io::getpath (character(*), intent(in) *GivenFil*, character(*), intent(out) *PathName*)

Definition at line 43695 of file tempassembled.f90.

3.27.2.113 subroutine nwtc_io::getroot (character(*), intent(in) *GivenFil*, character(*), intent(out) *RootName*)

Definition at line 29859 of file tempassembled.f90.

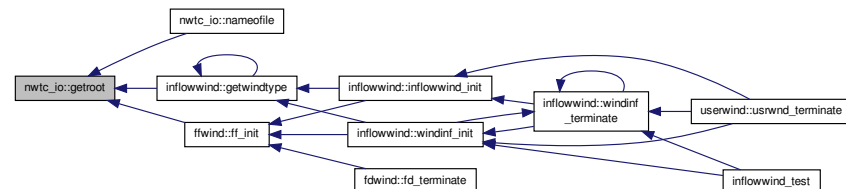
3.27.2.114 subroutine nwtc_io::getroot (character(*), intent(in) *GivenFil*, character(*), intent(out) *RootName*)

Definition at line 15989 of file tempassembled.f90.

3.27.2.115 subroutine nwtc_io::getroot (character(*), intent(in) *GivenFil*, character(*), intent(out) *RootName*)

Definition at line 2119 of file tempassembled.f90.

Here is the caller graph for this function:



3.27.2.116 subroutine nwtc_io::getroot (character(*), intent(in) *GivenFil*, character(*), intent(out) *RootName*)

Definition at line 43729 of file tempassembled.f90.

3.27.2.117 subroutine nwtc_io::gettokens (character(*), intent(inout) *Line*, integer, intent(in) *NumTok*, character(*), dimension (numtok), intent(out) *Tokens*, logical, intent(out) *Error*)

Definition at line 29919 of file tempassembled.f90.

3.27.2.118 subroutine nwtc_io::gettokens (character(*), intent(inout) *Line*, integer, intent(in) *NumTok*, character(*), dimension (numtok), intent(out) *Tokens*, logical, intent(out) *Error*)

Definition at line 16049 of file tempassembled.f90.

3.27.2.119 subroutine nwtc_io::gettokens (character(*), intent(inout) *Line*, integer, intent(in) *NumTok*, character(*), dimension (numtok), intent(out) *Tokens*, logical, intent(out) *Error*)

Definition at line 2179 of file tempassembled.f90.

3.27.2.120 subroutine nwtc_io::gettokens (character(*), intent(inout) *Line*, integer, intent(in) *NumTok*, character(*), dimension (numtok), intent(out) *Tokens*, logical, intent(out) *Error*)

Definition at line 43789 of file tempassembled.f90.

3.27.2.121 subroutine nwtc_io::getwords (character(*), intent(in) *Line*, character(*), dimension(numwords), intent(out) *Words*, integer, intent(in) *NumWords*)

Definition at line 43835 of file tempassembled.f90.

3.27.2.122 subroutine nwtc_io::getwords (character(*), intent(in) *Line*, character(*), dimension(numwords), intent(out) *Words*, integer, intent(in) *NumWords*)

Definition at line 29965 of file tempassembled.f90.

3.27.2.123 subroutine nwtc_io::getwords (character(*), intent(in) *Line*, character(*), dimension(numwords), intent(out) *Words*, integer, intent(in) *NumWords*)

Definition at line 16095 of file tempassembled.f90.

3.27.2.124 subroutine nwtc_io::getwords (character(*), intent(in) *Line*, character(*), dimension(numwords), intent(out) *Words*, integer, intent(in) *NumWords*)

Definition at line 2225 of file tempassembled.f90.

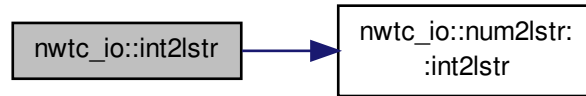
Here is the caller graph for this function:



3.27.2.125 character(11) function nwtc_io::int2lstr (integer, intent(in) *Intgr*)

Definition at line 2296 of file tempassembled.f90.

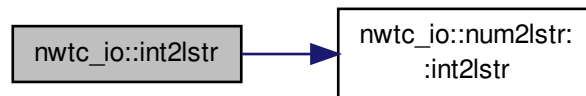
Here is the call graph for this function:



3.27.2.126 character(11) function nwtc_io::int2lstr (integer, intent(in) *Intgr*)

Definition at line 30036 of file `tempassembled.f90`.

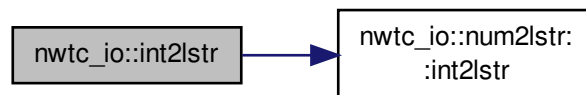
Here is the call graph for this function:



3.27.2.127 character(11) function nwtc_io::int2lstr (integer, intent(in) *Intgr*)

Definition at line 16166 of file `tempassembled.f90`.

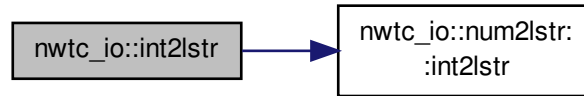
Here is the call graph for this function:



3.27.2.128 character(11) function nwtc_io::int2lstr (integer, intent(in) *Intgr*)

Definition at line 43906 of file `tempassembled.f90`.

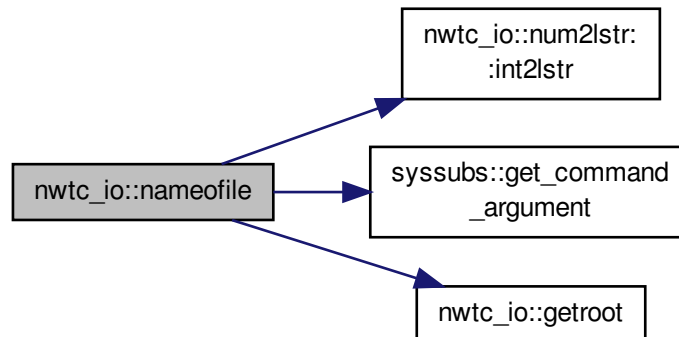
Here is the call graph for this function:



3.27.2.129 subroutine `nwtc_io::nameofile` (integer, intent(in) *InArg*, character(*), intent(in) *OutExten*, character(*), intent(out) *OutFile*, integer, intent(out), optional *ErrStat*)

Definition at line 2320 of file `tempassembled.f90`.

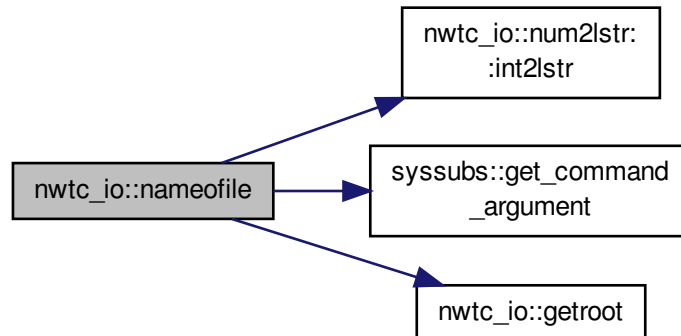
Here is the call graph for this function:



3.27.2.130 subroutine `nwtc_io::nameofile` (integer, intent(in) *InArg*, character(*), intent(in) *OutExten*, character(*), intent(out) *OutFile*, integer, intent(out), optional *ErrStat*)

Definition at line 30060 of file `tempassembled.f90`.

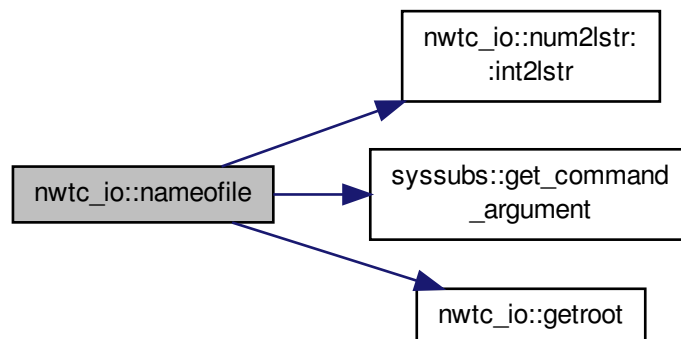
Here is the call graph for this function:



3.27.2.131 subroutine `nwtc_io::nameofile` (integer, intent(in) *InArg*, character(*), intent(in) *OutExten*, character(*), intent(out) *OutFile*, integer, intent(out), optional *ErrStat*)

Definition at line 16190 of file `tempassembled.f90`.

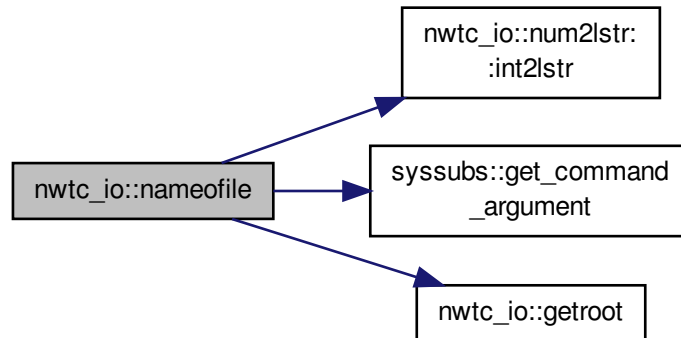
Here is the call graph for this function:



3.27.2.132 subroutine `nwtc_io::nameofile` (integer, intent(in) *InArg*, character(*), intent(in) *OutExten*, character(*), intent(out) *OutFile*, integer, intent(out), optional *ErrStat*)

Definition at line 43930 of file `tempassembled.f90`.

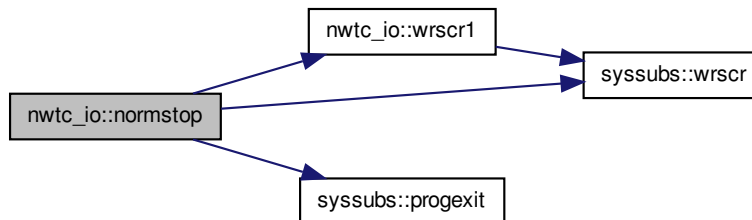
Here is the call graph for this function:



3.27.2.133 subroutine nwtc_io::normstop ()

Definition at line 2365 of file `tempassembled.f90`.

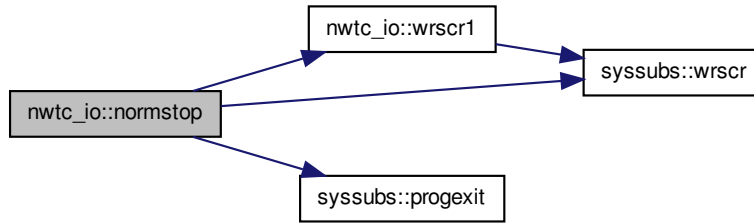
Here is the call graph for this function:



3.27.2.134 subroutine nwtc_io::normstop ()

Definition at line 30105 of file `tempassembled.f90`.

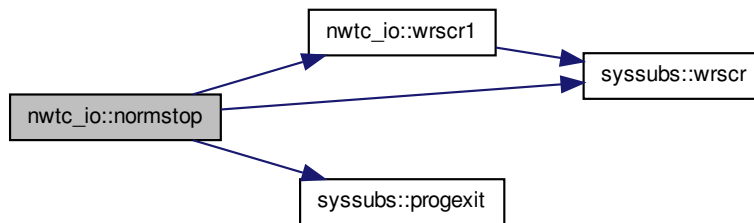
Here is the call graph for this function:



3.27.2.135 subroutine nwtc_io::normstop ()

Definition at line 16235 of file `tempassembled.f90`.

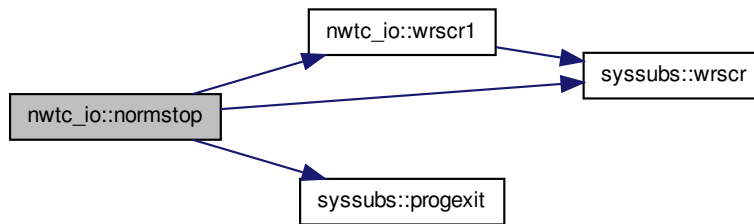
Here is the call graph for this function:



3.27.2.136 subroutine nwtc_io::normstop ()

Definition at line 43975 of file `tempassembled.f90`.

Here is the call graph for this function:



3.27.2.137 subroutine `nwtc_io::openbin` (integer, intent(in) *Un*, character(*), intent(in) *OutFile*, integer, intent(in) *RecLen*, integer, intent(out), optional *ErrStat*)

Definition at line 2378 of file `tempassembled.f90`.

Here is the call graph for this function:



3.27.2.138 subroutine `nwtc_io::openbin` (integer, intent(in) *Un*, character(*), intent(in) *OutFile*, integer, intent(in) *RecLen*, integer, intent(out), optional *ErrStat*)

Definition at line 43988 of file `tempassembled.f90`.

Here is the call graph for this function:



3.27.2.139 subroutine `nwtc_io::openbin` (integer, intent(in) *Un*, character(*), intent(in) *OutFile*, integer, intent(in) *RecLen*, integer, intent(out), optional *ErrStat*)

Definition at line 30118 of file `tempassembled.f90`.

Here is the call graph for this function:



3.27.2.140 subroutine `nwtc_io::openbin` (integer, intent(in) *Un*, character(*), intent(in) *OutFile*, integer, intent(in) *RecLen*, integer, intent(out), optional *ErrStat*)

Definition at line 16248 of file `tempassembled.f90`.

Here is the call graph for this function:



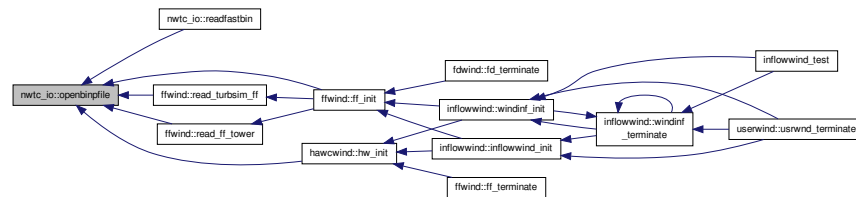
3.27.2.141 subroutine `nwtc_io::openbinfile` (integer, intent(in) *Un*, character(*), intent(in) *InFile*, integer, intent(out), optional *ErrStat*)

Definition at line 2415 of file `tempassembled.f90`.

Here is the call graph for this function:



Here is the caller graph for this function:



3.27.2.142 subroutine `nwtc_io::openbinpfile` (integer, intent(in) *Un*, character(*), intent(in) *InFile*, integer, intent(out), optional *ErrStat*)

Definition at line 30155 of file tempassembled.f90.

Here is the call graph for this function:



3.27.2.143 subroutine `nwtc_io::openbinfile` (integer, intent(in) *Un*, character(*), intent(in) *InFile*, integer, intent(out), optional *ErrStat*)

Definition at line 16285 of file tempassembled.f90.

Here is the call graph for this function:



3.27.2.144 subroutine `nwtc_io::openbinpfile` (integer, intent(in) *Un*, character(*), intent(in) *InFile*, integer, intent(out), optional *ErrStat*)

Definition at line 44025 of file tempassembled.f90.

Here is the call graph for this function:



3.27.2.145 subroutine `nwtc_io::openecho` (integer, intent(in) *Un*, character(*), intent(in) *OutFile*, integer, intent(out), optional *ErrStat*)

Definition at line 2473 of file `tempassembled.f90`.

Here is the call graph for this function:



3.27.2.146 subroutine `nwtc_io::openecho` (integer, intent(in) *Un*, character(*), intent(in) *OutFile*, integer, intent(out), optional *ErrStat*)

Definition at line 30213 of file `tempassembled.f90`.

Here is the call graph for this function:



3.27.2.147 subroutine `nwtc_io::openecho` (integer, intent(in) *Un*, character(*), intent(in) *OutFile*, integer, intent(out), optional *ErrStat*)

Definition at line 16343 of file `tempassembled.f90`.

Here is the call graph for this function:



3.27.2.148 subroutine `nwtc_io::openecho` (integer, intent(in) *Un*, character(*), intent(in) *OutFile*, integer, intent(out), optional *ErrStat*)

Definition at line 44083 of file `tempassembled.f90`.

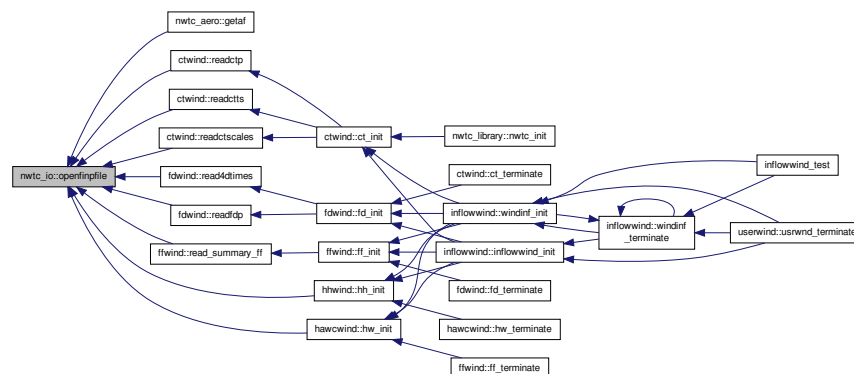
Here is the call graph for this function:



3.27.2.149 subroutine `nwtc_io::openfinfile` (integer, intent(in) *Un*, character(*), intent(in) *InFile*, integer, intent(out), optional *ErrStat*)

Definition at line 2506 of file `tempassembled.f90`.

Here is the caller graph for this function:



3.27.2.150 subroutine nwtc_io::openfinfile (integer, intent(in) *Un*, character(*), intent(in) *InFile*, integer, intent(out), optional *ErrStat*)

Definition at line 30246 of file tempassembled.f90.

3.27.2.151 subroutine nwtc_io::openfinfile (integer, intent(in) *Un*, character(*), intent(in) *InFile*, integer, intent(out), optional *ErrStat*)

Definition at line 16376 of file tempassembled.f90.

3.27.2.152 subroutine nwtc_io::openfinfile (integer, intent(in) *Un*, character(*), intent(in) *InFile*, integer, intent(out), optional *ErrStat*)

Definition at line 44116 of file tempassembled.f90.

3.27.2.153 subroutine nwtc_io::openfoutfile (integer, intent(in) *Un*, character(*), intent(in) *OutFile*, integer, intent(out), optional *ErrStat*)

Definition at line 2555 of file tempassembled.f90.

Here is the caller graph for this function:



3.27.2.154 subroutine nwtc_io::openfoutfile (integer, intent(in) *Un*, character(*), intent(in) *OutFile*, integer, intent(out), optional *ErrStat*)

Definition at line 44165 of file tempassembled.f90.

3.27.2.155 subroutine nwtc_io::openfoutfile (integer, intent(in) *Un*, character(*), intent(in) *OutFile*, integer, intent(out), optional *ErrStat*)

Definition at line 16425 of file tempassembled.f90.

3.27.2.156 subroutine nwtc_io::openfoutfile (integer, intent(in) *Un*, character(*), intent(in) *OutFile*, integer, intent(out), optional *ErrStat*)

Definition at line 30295 of file tempassembled.f90.

3.27.2.157 subroutine nwtc_io::openfunkfile (integer, intent(in) *Un*, character(*), intent(in) *OutFile*, logical, intent(in) *FailAbt*, logical, intent(out) *Failed*, logical, intent(out) *Exists*, integer, intent(out), optional *ErrStat*)

Definition at line 44200 of file tempassembled.f90.

3.27.2.158 subroutine nwtc_io::openfunkfile (integer, intent(in) *Un*, character(*), intent(in) *OutFile*, logical, intent(in) *FailAbt*, logical, intent(out) *Failed*, logical, intent(out) *Exists*, integer, intent(out), optional *ErrStat*)

Definition at line 2590 of file tempassembled.f90.

3.27.2.159 subroutine `nwtc_io::openfunkfile` (integer, intent(in) *Un*, character(*), intent(in) *OutFile*, logical, intent(in) *FailAbt*, logical, intent(out) *Failed*, logical, intent(out) *Exists*, integer, intent(out), optional *ErrStat*)

Definition at line 30330 of file `tempassembled.f90`.

3.27.2.160 subroutine `nwtc_io::openfunkfile` (integer, intent(in) *Un*, character(*), intent(in) *OutFile*, logical, intent(in) *FailAbt*, logical, intent(out) *Failed*, logical, intent(out) *Exists*, integer, intent(out), optional *ErrStat*)

Definition at line 16460 of file `tempassembled.f90`.

3.27.2.161 subroutine `nwtc_io::openuinbfile` (integer, intent(in) *Un*, character(*), intent(in) *InFile*, integer, intent(in) *RecLen*, integer, intent(out), optional *ErrStat*)

Definition at line 44296 of file `tempassembled.f90`.

Here is the call graph for this function:



3.27.2.162 subroutine `nwtc_io::openuinbfile` (integer, intent(in) *Un*, character(*), intent(in) *InFile*, integer, intent(in) *RecLen*, integer, intent(out), optional *ErrStat*)

Definition at line 2686 of file `tempassembled.f90`.

Here is the call graph for this function:



3.27.2.166 subroutine nwtc_io::openuinfile (integer, intent(in) *Un*, character(*), intent(in) *InFile*, integer, intent(out), optional *ErrStat*)

Definition at line 2639 of file tempassembled.f90.

3.27.2.167 subroutine nwtc_io::openuinfile (integer, intent(in) *Un*, character(*), intent(in) *InFile*, integer, intent(out), optional *ErrStat*)

Definition at line 30379 of file tempassembled.f90.

3.27.2.168 subroutine nwtc_io::openuinfile (integer, intent(in) *Un*, character(*), intent(in) *InFile*, integer, intent(out), optional *ErrStat*)

Definition at line 16509 of file tempassembled.f90.

3.27.2.169 subroutine nwtc_io::openuoutfile (integer, intent(in) *Un*, character(*), intent(in) *OutFile*, integer, intent(out), optional *ErrStat*)

Definition at line 44350 of file tempassembled.f90.

3.27.2.170 subroutine nwtc_io::openuoutfile (integer, intent(in) *Un*, character(*), intent(in) *OutFile*, integer, intent(out), optional *ErrStat*)

Definition at line 2740 of file tempassembled.f90.

3.27.2.171 subroutine nwtc_io::openuoutfile (integer, intent(in) *Un*, character(*), intent(in) *OutFile*, integer, intent(out), optional *ErrStat*)

Definition at line 30480 of file tempassembled.f90.

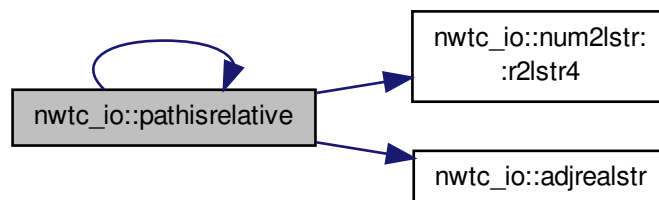
3.27.2.172 subroutine nwtc_io::openuoutfile (integer, intent(in) *Un*, character(*), intent(in) *OutFile*, integer, intent(out), optional *ErrStat*)

Definition at line 16610 of file tempassembled.f90.

3.27.2.173 logical function nwtc_io::pathisrelative (character(*), intent(in) *GivenFil*)

Definition at line 44384 of file tempassembled.f90.

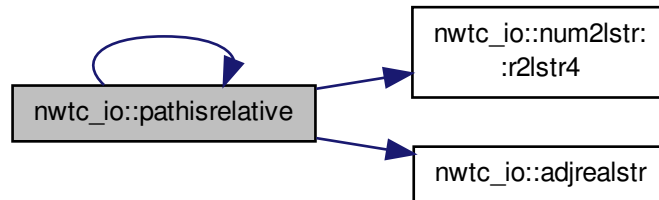
Here is the call graph for this function:



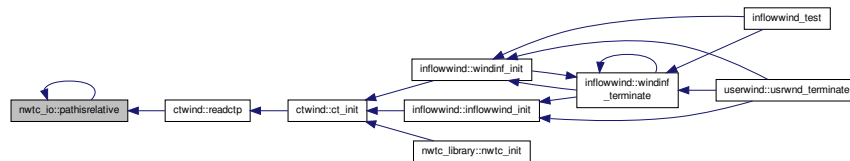
3.27.2.174 logical function nwtc_io::pathisrelative (character(*), intent(in) *GivenFil*)

Definition at line 2774 of file tempassembled.f90.

Here is the call graph for this function:



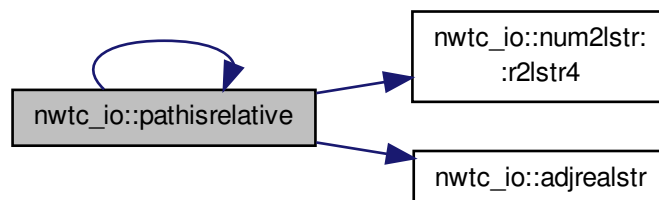
Here is the caller graph for this function:



3.27.2.175 logical function nwtc_io::pathisrelative (character(*), intent(in) *GivenFil*)

Definition at line 30514 of file tempassembled.f90.

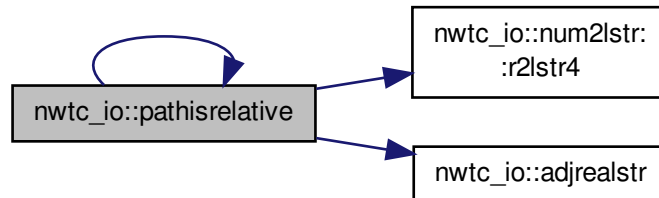
Here is the call graph for this function:



3.27.2.176 logical function `nwtc_io::pathisrelative` (`character(*)`, intent(in) *GivenFil*)

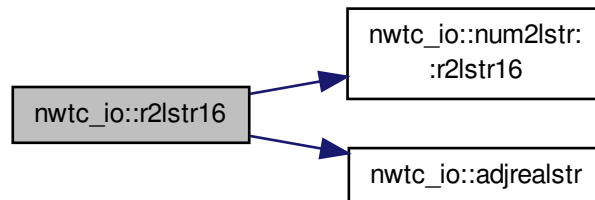
Definition at line 16644 of file `tempassembled.f90`.

Here is the call graph for this function:

**3.27.2.177** `character(15)` function `nwtc_io::r2lstr16` (`real(quki)`, intent(in) *FltNum*)

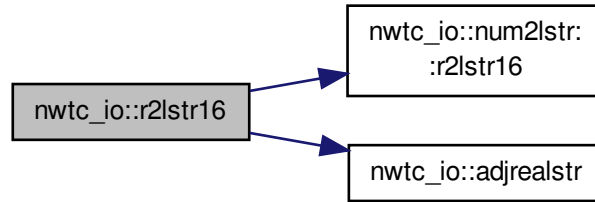
Definition at line 44573 of file `tempassembled.f90`.

Here is the call graph for this function:

**3.27.2.178** `character(15)` function `nwtc_io::r2lstr16` (`real(quki)`, intent(in) *FltNum*)

Definition at line 16833 of file `tempassembled.f90`.

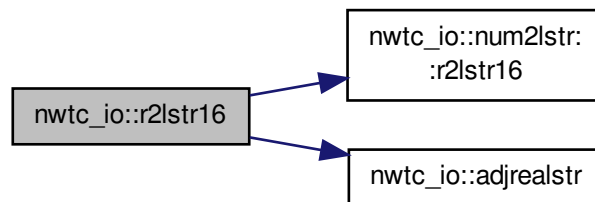
Here is the call graph for this function:



3.27.2.179 character(15) function nwtc_io::r2lstr16 (real(quki), intent(in) *FitNum*)

Definition at line 30703 of file `tempassembled.f90`.

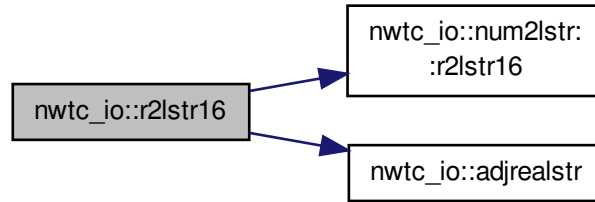
Here is the call graph for this function:



3.27.2.180 character(15) function nwtc_io::r2lstr16 (real(quki), intent(in) *FitNum*)

Definition at line 2963 of file `tempassembled.f90`.

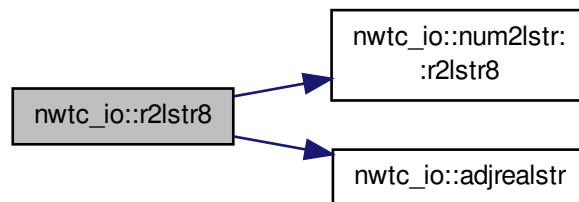
Here is the call graph for this function:



3.27.2.181 character(15) function nwtc_io::r2lstr8 (real(r8ki), intent(in) *FltNum*)

Definition at line 44538 of file `tempassembled.f90`.

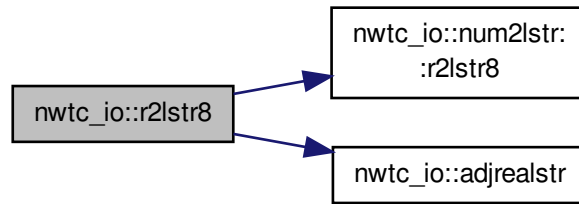
Here is the call graph for this function:



3.27.2.182 character(15) function nwtc_io::r2lstr8 (real(r8ki), intent(in) *FltNum*)

Definition at line 30668 of file `tempassembled.f90`.

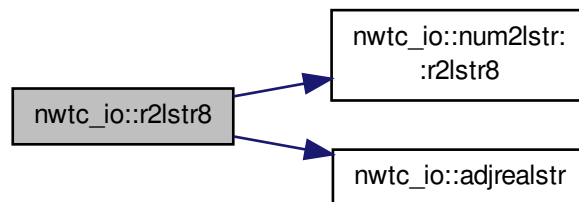
Here is the call graph for this function:



3.27.2.183 character(15) function nwtc_io::r2lstr8 (real(r8ki), intent(in) *FitNum*)

Definition at line 16798 of file tempassembled.f90.

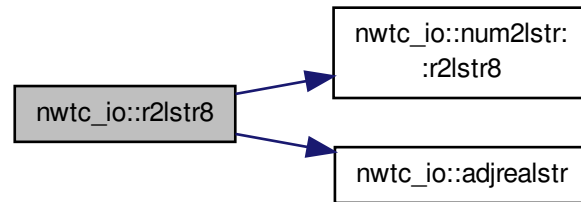
Here is the call graph for this function:



3.27.2.184 character(15) function nwtc_io::r2lstr8 (real(r8ki), intent(in) *FitNum*)

Definition at line 2928 of file tempassembled.f90.

Here is the call graph for this function:



3.27.2.185 subroutine `nwtc_io::readcary` (integer, intent(in) *UnIn*, character(*), intent(in) *Fil*, character(*), dimension(arylen), intent(out) *CharAry*, integer, intent(in) *AryLen*, character(*), intent(in) *AryName*, character(*), intent(in) *AryDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 2999 of file `tempassembled.f90`.

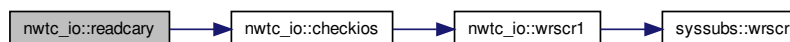
Here is the call graph for this function:



3.27.2.186 subroutine `nwtc_io::readcary` (integer, intent(in) *UnIn*, character(*), intent(in) *Fil*, character(*), dimension(arylen), intent(out) *CharAry*, integer, intent(in) *AryLen*, character(*), intent(in) *AryName*, character(*), intent(in) *AryDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 44609 of file `tempassembled.f90`.

Here is the call graph for this function:



3.27.2.187 subroutine `nwtc_io::readcary` (integer, intent(in) *UnIn*, character(*), intent(in) *Fil*, character(*), dimension(arylen), intent(out) *CharAry*, integer, intent(in) *AryLen*, character(*), intent(in) *AryName*, character(*), intent(in) *AryDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 16869 of file `tempassembled.f90`.

Here is the call graph for this function:



3.27.2.188 subroutine `nwtc_io::readcary` (integer, intent(in) *Unln*, character(*), intent(in) *Fil*, character(*), dimension(arylen), intent(out) *CharAry*, integer, intent(in) *AryLen*, character(*), intent(in) *AryName*, character(*), intent(in) *AryDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 30739 of file `tempassembled.f90`.

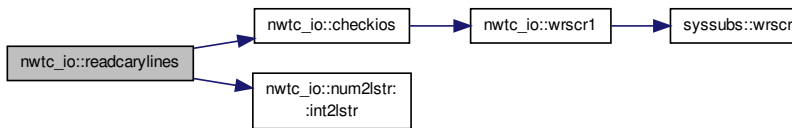
Here is the call graph for this function:



3.27.2.189 subroutine `nwtc_io::readcarylines` (integer, intent(in) *Unln*, character(*), intent(in) *Fil*, character(*), dimension(arylen), intent(out) *CharAry*, integer, intent(in) *AryLen*, character(*), intent(in) *AryName*, character(*), intent(in) *AryDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 44653 of file `tempassembled.f90`.

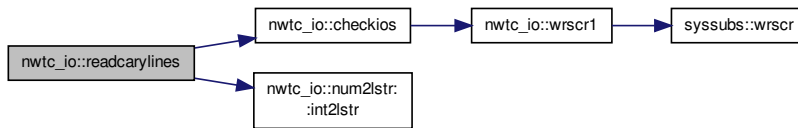
Here is the call graph for this function:



3.27.2.190 subroutine `nwtc_io::readcarylines` (integer, intent(in) *Unln*, character(*), intent(in) *Fil*, character(*), dimension(arylen), intent(out) *CharAry*, integer, intent(in) *AryLen*, character(*), intent(in) *AryName*, character(*), intent(in) *AryDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 16913 of file `tempassembled.f90`.

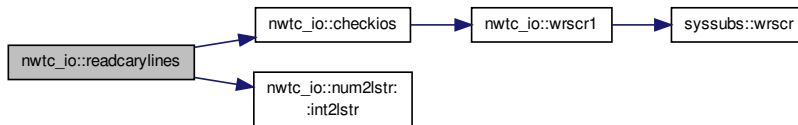
Here is the call graph for this function:



3.27.2.191 subroutine `nwtc_io::readcarylines` (integer, intent(in) *UnIn*, character(*), intent(in) *Fil*, character(*), dimension(arylen), intent(out) *CharAry*, integer, intent(in) *AryLen*, character(*), intent(in) *AryName*, character(*), intent(in) *AryDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 3043 of file `tempassembled.f90`.

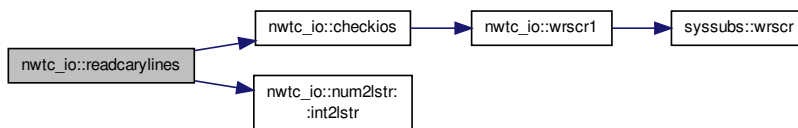
Here is the call graph for this function:



3.27.2.192 subroutine `nwtc_io::readcarylines` (integer, intent(in) *UnIn*, character(*), intent(in) *Fil*, character(*), dimension(arylen), intent(out) *CharAry*, integer, intent(in) *AryLen*, character(*), intent(in) *AryName*, character(*), intent(in) *AryDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 30783 of file `tempassembled.f90`.

Here is the call graph for this function:



3.27.2.193 subroutine `nwtc_io::readcom` (integer, intent(in) *UnIn*, character(*), intent(in) *Fil*, character(*), intent(in) *ComName*, integer, intent(out), optional *ErrStat*)

Definition at line 44700 of file `tempassembled.f90`.

Here is the call graph for this function:



3.27.2.194 subroutine `nwtc_io::readcom` (integer, intent(in) *UnIn*, character(*), intent(in) *Fil*, character(*), intent(in) *ComName*, integer, intent(out), optional *ErrStat*)

Definition at line 30830 of file `tempassembled.f90`.

Here is the call graph for this function:



3.27.2.195 subroutine `nwtc_io::readcom` (integer, intent(in) *UnIn*, character(*), intent(in) *Fil*, character(*), intent(in) *ComName*, integer, intent(out), optional *ErrStat*)

Definition at line 16960 of file `tempassembled.f90`.

Here is the call graph for this function:



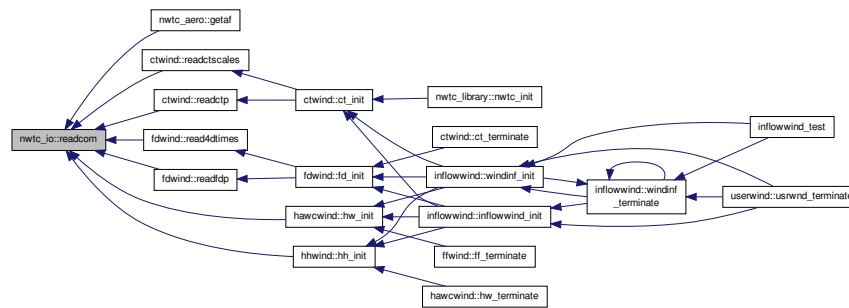
3.27.2.196 subroutine `nwtc_io::readcom` (integer, intent(in) *UnIn*, character(*), intent(in) *Fil*, character(*), intent(in) *ComName*, integer, intent(out), optional *ErrStat*)

Definition at line 3090 of file `tempassembled.f90`.

Here is the call graph for this function:



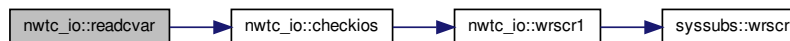
Here is the caller graph for this function:



3.27.2.197 subroutine `nwtc_io::readcvar` (integer, intent(in) *UnIn*, character(*), intent(in) *Fil*, character(*), intent(out) *CharVar*, character(*), intent(in) *VarName*, character(*), intent(in) *VarDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 16999 of file `tempassembled.f90`.

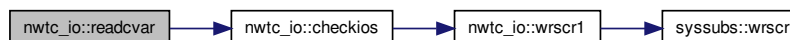
Here is the call graph for this function:



3.27.2.198 subroutine `nwtc_io::readcvar` (integer, intent(in) *UnIn*, character(*), intent(in) *Fil*, character(*), intent(out) *CharVar*, character(*), intent(in) *VarName*, character(*), intent(in) *VarDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 44739 of file `tempassembled.f90`.

Here is the call graph for this function:



3.27.2.199 subroutine `nwtc_io::readcvar` (integer, intent(in) *UnIn*, character(*), intent(in) *Fil*, character(*), intent(out) *CharVar*, character(*), intent(in) *VarName*, character(*), intent(in) *VarDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 30869 of file `tempassembled.f90`.

Here is the call graph for this function:



3.27.2.200 subroutine `nwtc_io::readcvar` (integer, intent(in) *Unln*, character(*), intent(in) *Fil*, character(*), intent(out) *CharVar*, character(*), intent(in) *VarName*, character(*), intent(in) *VarDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 3129 of file `tempassembled.f90`.

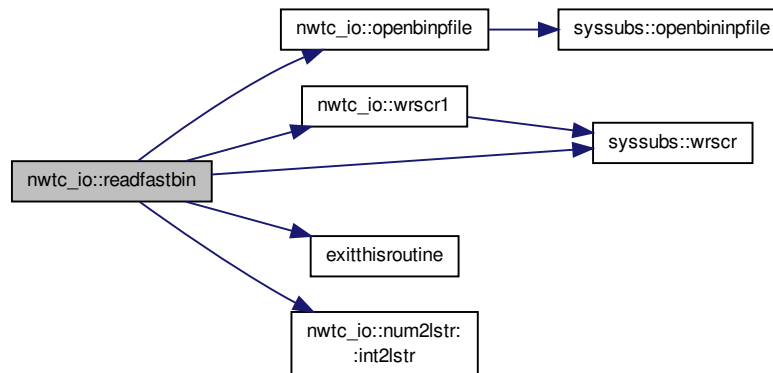
Here is the call graph for this function:



3.27.2.201 subroutine `nwtc_io::readfastbin` (integer(intki), intent(inout) *Unln*, type (fastdatatype), intent(inout) *FASTdata*, integer(intki), intent(out), optional *ErrLev*, character(*), intent(out), optional *ErrMsg*)

Definition at line 3172 of file `tempassembled.f90`.

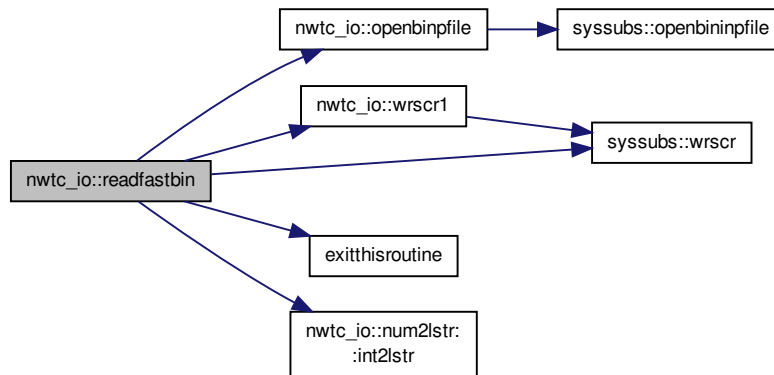
Here is the call graph for this function:



3.27.2.202 subroutine `nwtc_io::readfastbin` (integer(intki), intent(inout) *Unln*, type (fastdatatype), intent(inout) *FASTdata*, integer(intki), intent(out), optional *ErrLev*, character(*), intent(out), optional *ErrMsg*)

Definition at line 17042 of file `tempassembled.f90`.

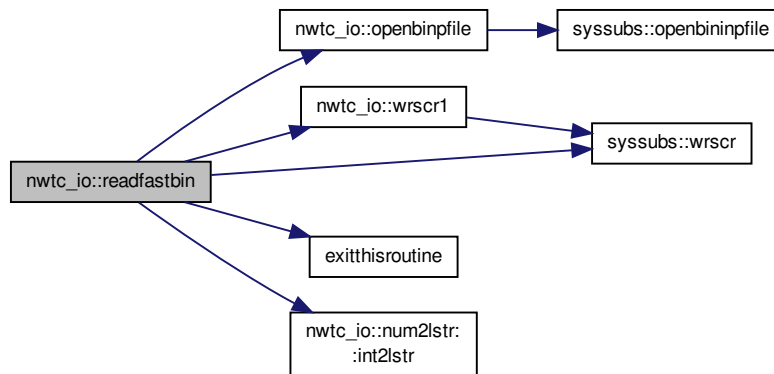
Here is the call graph for this function:



3.27.2.203 subroutine `nwtc_io::readfastbin` (integer(intki), intent(inout) *Unln*, type (fastdatatype), intent(inout) *FASTdata*, integer(intki), intent(out), optional *ErrLev*, character(*), intent(out), optional *ErrMsg*)

Definition at line 44782 of file `tempassembled.f90`.

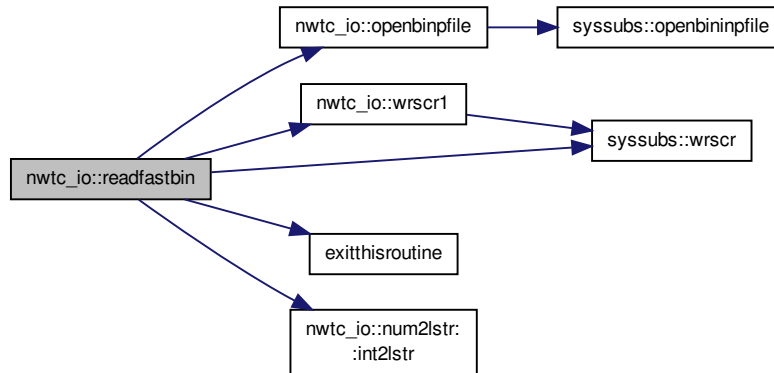
Here is the call graph for this function:



3.27.2.204 subroutine `nwtc_io::readfastbin` (integer(intki), intent(inout) *Unln*, type (fastdatatype), intent(inout) *FASTdata*, integer(intki), intent(out), optional *ErrLev*, character(*), intent(out), optional *ErrMsg*)

Definition at line 30912 of file `tempassembled.f90`.

Here is the call graph for this function:



3.27.2.205 subroutine `nwtc_io::readiary` (integer, intent(in) *UnIn*, character(*), intent(in) *Fil*, integer, dimension(arylen), intent(out) *IntAry*, integer, intent(in) *AryLen*, character(*), intent(in) *AryName*, character(*), intent(in) *AryDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 45114 of file `tempassembled.f90`.

Here is the call graph for this function:



3.27.2.206 subroutine `nwtc_io::readiary` (integer, intent(in) *UnIn*, character(*), intent(in) *Fil*, integer, dimension(arylen), intent(out) *IntAry*, integer, intent(in) *AryLen*, character(*), intent(in) *AryName*, character(*), intent(in) *AryDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 31244 of file `tempassembled.f90`.

Here is the call graph for this function:



3.27.2.207 subroutine nwtc_io::readiary (integer, intent(in) *UnIn*, character(*), intent(in) *Fil*, integer, dimension(arylen), intent(out) *IntAry*, integer, intent(in) *AryLen*, character(*), intent(in) *AryName*, character(*), intent(in) *AryDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 3504 of file tempassembled.f90.

Here is the call graph for this function:



3.27.2.208 subroutine nwtc_io::readiary (integer, intent(in) *UnIn*, character(*), intent(in) *Fil*, integer, dimension(arylen), intent(out) *IntAry*, integer, intent(in) *AryLen*, character(*), intent(in) *AryName*, character(*), intent(in) *AryDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 17374 of file tempassembled.f90.

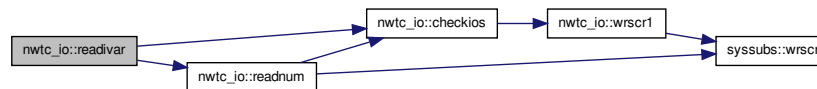
Here is the call graph for this function:



3.27.2.209 subroutine nwtc_io::readivar (integer, intent(in) *UnIn*, character(*), intent(in) *Fil*, integer, intent(out) *IntVar*, character(*), intent(in) *VarName*, character(*), intent(in) *VarDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 17420 of file tempassembled.f90.

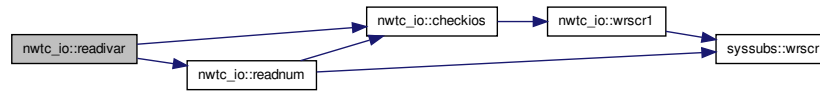
Here is the call graph for this function:



3.27.2.210 subroutine nwtc_io::readivar (integer, intent(in) *UnIn*, character(*), intent(in) *Fil*, integer, intent(out) *IntVar*, character(*), intent(in) *VarName*, character(*), intent(in) *VarDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 3550 of file tempassembled.f90.

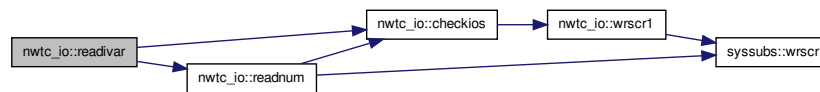
Here is the call graph for this function:



3.27.2.211 subroutine `nwtc_io::readivar` (integer, intent(in) *UnIn*, character(*), intent(in) *Fil*, integer, intent(out) *IntVar*, character(*), intent(in) *VarName*, character(*), intent(in) *VarDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 45160 of file `tempassembled.f90`.

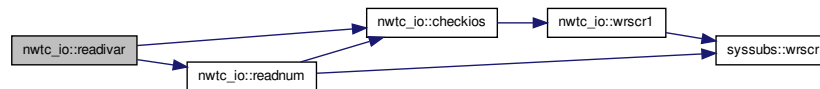
Here is the call graph for this function:



3.27.2.212 subroutine `nwtc_io::readivar` (integer, intent(in) *UnIn*, character(*), intent(in) *Fil*, integer, intent(out) *IntVar*, character(*), intent(in) *VarName*, character(*), intent(in) *VarDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 31290 of file `tempassembled.f90`.

Here is the call graph for this function:



3.27.2.213 subroutine `nwtc_io::readlary` (integer, intent(in) *UnIn*, character(*), intent(in) *Fil*, logical, dimension(arylen), intent(out) *LogAry*, integer, intent(in) *AryLen*, character(*), intent(in) *AryName*, character(*), intent(in) *AryDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 17470 of file `tempassembled.f90`.

Here is the call graph for this function:



3.27.2.214 subroutine nwtc_io::readlary (integer, intent(in) *Unln*, character(*), intent(in) *Fil*, logical, dimension(arylen), intent(out) *LogAry*, integer, intent(in) *AryLen*, character(*), intent(in) *AryName*, character(*), intent(in) *AryDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 31340 of file tempassembled.f90.

Here is the call graph for this function:



3.27.2.215 subroutine nwtc_io::readlary (integer, intent(in) *Unln*, character(*), intent(in) *Fil*, logical, dimension(arylen), intent(out) *LogAry*, integer, intent(in) *AryLen*, character(*), intent(in) *AryName*, character(*), intent(in) *AryDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 3600 of file tempassembled.f90.

Here is the call graph for this function:



3.27.2.216 subroutine nwtc_io::readlary (integer, intent(in) *Unln*, character(*), intent(in) *Fil*, logical, dimension(arylen), intent(out) *LogAry*, integer, intent(in) *AryLen*, character(*), intent(in) *AryName*, character(*), intent(in) *AryDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 45210 of file tempassembled.f90.

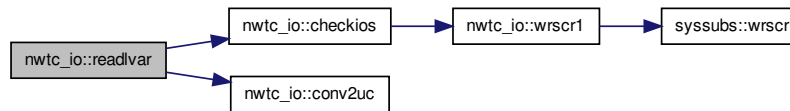
Here is the call graph for this function:



3.27.2.217 subroutine nwtc_io::readlvar (integer, intent(in) *Unln*, character(*), intent(in) *Fil*, logical, intent(out) *LogVar*, character(*), intent(in) *VarName*, character(*), intent(in) *VarDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 45257 of file tempassembled.f90.

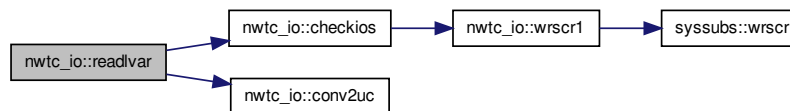
Here is the call graph for this function:



3.27.2.218 subroutine `nwtc_io::readlvar` (integer, intent(in) *Unln*, character(*), intent(in) *Fil*, logical, intent(out) *LogVar*, character(*), intent(in) *VarName*, character(*), intent(in) *VarDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 17517 of file `tempassembled.f90`.

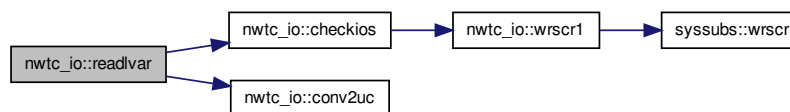
Here is the call graph for this function:



3.27.2.219 subroutine `nwtc_io::readlvar` (integer, intent(in) *Unln*, character(*), intent(in) *Fil*, logical, intent(out) *LogVar*, character(*), intent(in) *VarName*, character(*), intent(in) *VarDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 31387 of file `tempassembled.f90`.

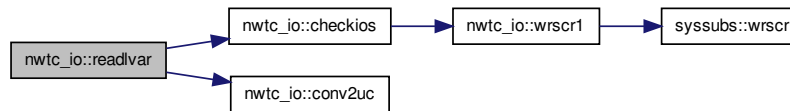
Here is the call graph for this function:



3.27.2.220 subroutine `nwtc_io::readlvar` (integer, intent(in) *Unln*, character(*), intent(in) *Fil*, logical, intent(out) *LogVar*, character(*), intent(in) *VarName*, character(*), intent(in) *VarDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 3647 of file `tempassembled.f90`.

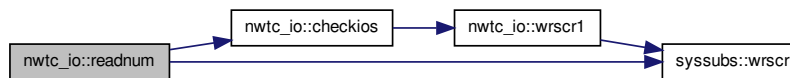
Here is the call graph for this function:



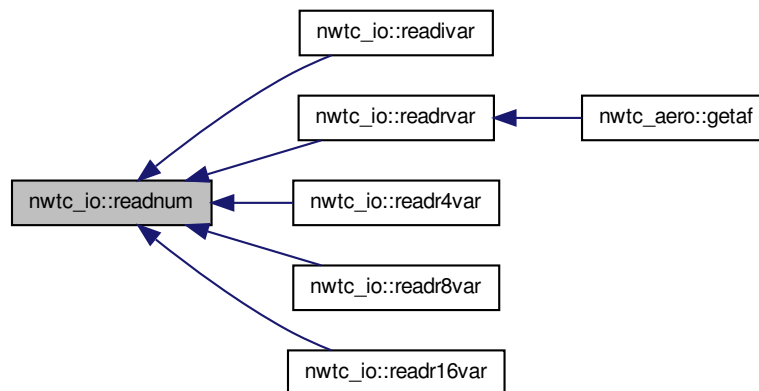
3.27.2.221 subroutine `nwtc_io::readnum` (integer, intent(in) *UnIn*, character(*), intent(in) *Fil*, character(*), intent(out) *Word*, character(*), intent(in) *VarName*, integer, intent(out), optional *ErrStat*)

Definition at line 3696 of file `tempassembled.f90`.

Here is the call graph for this function:



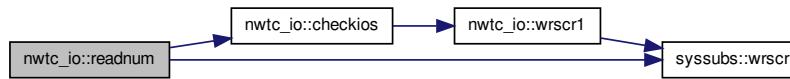
Here is the caller graph for this function:



3.27.2.222 subroutine `nwtc_io::readnum` (integer, intent(in) *UnIn*, character(*), intent(in) *Fil*, character(*), intent(out) *Word*, character(*), intent(in) *VarName*, integer, intent(out), optional *ErrStat*)

Definition at line 45306 of file `tempassembled.f90`.

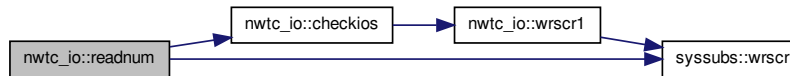
Here is the call graph for this function:



3.27.2.223 subroutine `nwtc_io::readnum` (integer, intent(in) *Unln*, character(*), intent(in) *Fil*, character(*), intent(out) *Word*, character(*), intent(in) *VarName*, integer, intent(out), optional *ErrStat*)

Definition at line 17566 of file `tempassembled.f90`.

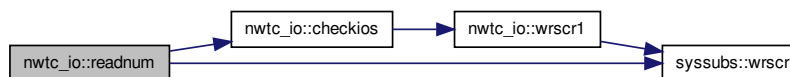
Here is the call graph for this function:



3.27.2.224 subroutine `nwtc_io::readnum` (integer, intent(in) *Unln*, character(*), intent(in) *Fil*, character(*), intent(out) *Word*, character(*), intent(in) *VarName*, integer, intent(out), optional *ErrStat*)

Definition at line 31436 of file `tempassembled.f90`.

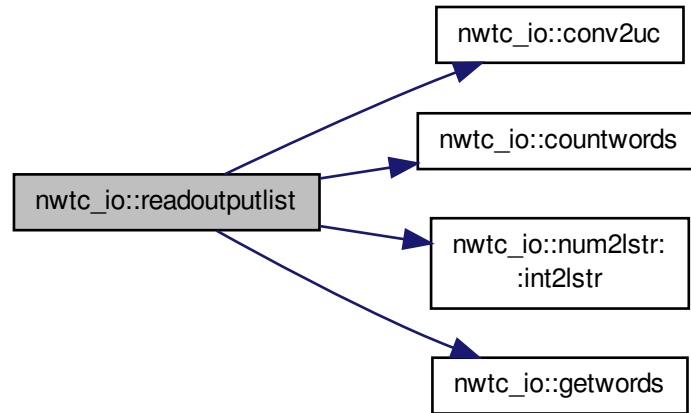
Here is the call graph for this function:



3.27.2.225 subroutine `nwtc_io::readoutputlist` (integer, intent(in) *Unln*, character(*), intent(in) *Fil*, character(*), dimension(:), intent(out) *CharAry*, integer, intent(out) *AryLenRead*, character(*), intent(in) *AryName*, character(*), intent(in) *AryDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 45357 of file `tempassembled.f90`.

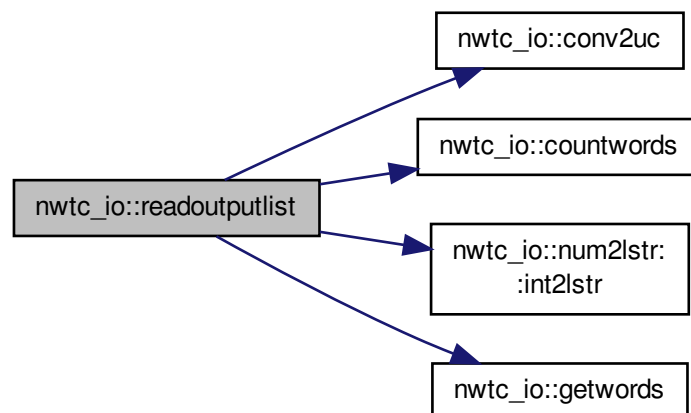
Here is the call graph for this function:



3.27.2.226 subroutine `nwtc_io::readoutputlist` (integer, intent(in) *Unln*, character(*), intent(in) *Fil*, character(*), dimension(:), intent(out) *CharAry*, integer, intent(out) *AryLenRead*, character(*), intent(in) *AryName*, character(*), intent(in) *AryDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 17617 of file `tempassembled.f90`.

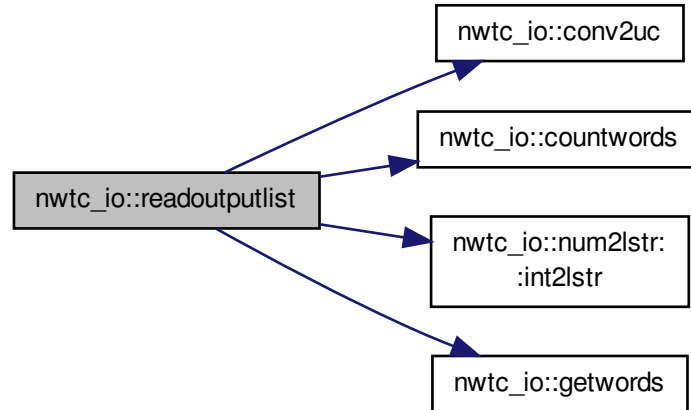
Here is the call graph for this function:



3.27.2.227 subroutine `nwtc_io::readoutputlist` (integer, intent(in) *UnIn*, character(*), intent(in) *Fil*, character(*), dimension(:), intent(out) *CharAry*, integer, intent(out) *AryLenRead*, character(*), intent(in) *AryName*, character(*), intent(in) *AryDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 31487 of file `tempassembled.f90`.

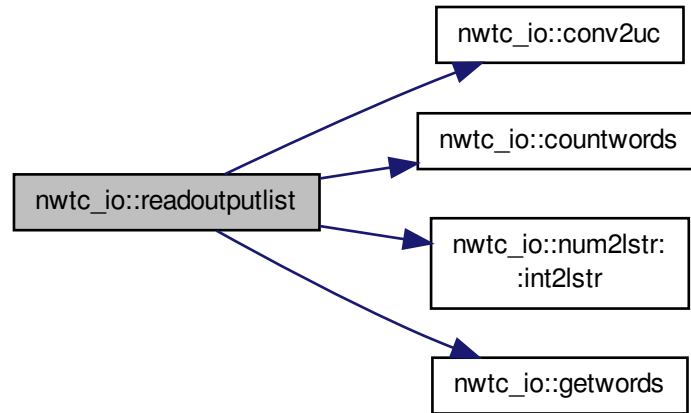
Here is the call graph for this function:



3.27.2.228 subroutine `nwtc_io::readoutputlist` (integer, intent(in) *UnIn*, character(*), intent(in) *Fil*, character(*), dimension(:), intent(out) *CharAry*, integer, intent(out) *AryLenRead*, character(*), intent(in) *AryName*, character(*), intent(in) *AryDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 3747 of file `tempassembled.f90`.

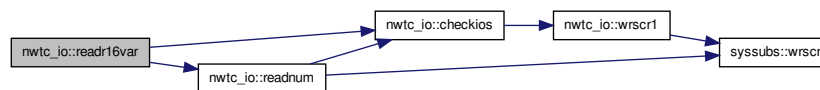
Here is the call graph for this function:



3.27.2.229 subroutine `nwtc_io::readr16var` (integer, intent(in) *UnIn*, character(*) , intent(in) *Fil*, real(quki), intent(out) *RealVar*, character(*) , intent(in) *VarName*, character(*) , intent(in) *VarDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 18089 of file `tempassembled.f90`.

Here is the call graph for this function:



3.27.2.230 subroutine `nwtc_io::readr16var` (integer, intent(in) *UnIn*, character(*) , intent(in) *Fil*, real(quki), intent(out) *RealVar*, character(*) , intent(in) *VarName*, character(*) , intent(in) *VarDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 45829 of file `tempassembled.f90`.

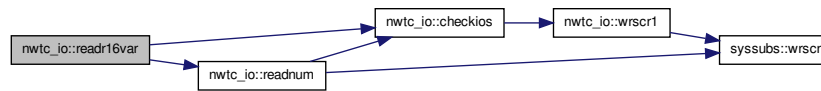
Here is the call graph for this function:



3.27.2.231 subroutine `nwtc_io::readr16var` (integer, intent(in) *UnIn*, character(*) , intent(in) *Fil*, real(quki), intent(out) *RealVar*, character(*) , intent(in) *VarName*, character(*) , intent(in) *VarDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 4219 of file `tempassembled.f90`.

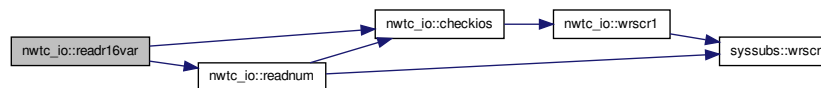
Here is the call graph for this function:



3.27.2.232 subroutine `nwtc_io::readr16var` (integer, intent(in) *UnIn*, character(*) , intent(in) *Fil*, real(quki), intent(out) *RealVar*, character(*) , intent(in) *VarName*, character(*) , intent(in) *VarDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 31959 of file `tempassembled.f90`.

Here is the call graph for this function:



3.27.2.233 subroutine `nwtc_io::readr4var` (integer, intent(in) *UnIn*, character(*) , intent(in) *Fil*, real(siki), intent(out) *RealVar*, character(*) , intent(in) *VarName*, character(*) , intent(in) *VarDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 31857 of file `tempassembled.f90`.

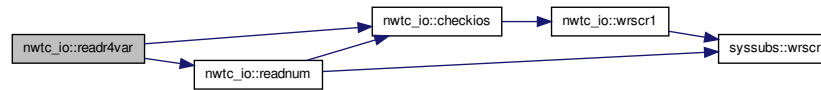
Here is the call graph for this function:



3.27.2.234 subroutine `nwtc_io::readr4var` (integer, intent(in) *UnIn*, character(*) , intent(in) *Fil*, real(siki), intent(out) *RealVar*, character(*) , intent(in) *VarName*, character(*) , intent(in) *VarDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 4117 of file `tempassembled.f90`.

Here is the call graph for this function:



3.27.2.235 subroutine `nwtc_io::readr4var` (integer, intent(in) *UnIn*, character(*) , intent(in) *Fil*, real(siki), intent(out) *RealVar*, character(*) , intent(in) *VarName*, character(*) , intent(in) *VarDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 17987 of file `tempassembled.f90`.

Here is the call graph for this function:



3.27.2.236 subroutine `nwtc_io::readr4var` (integer, intent(in) *UnIn*, character(*) , intent(in) *Fil*, real(siki), intent(out) *RealVar*, character(*) , intent(in) *VarName*, character(*) , intent(in) *VarDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 45727 of file `tempassembled.f90`.

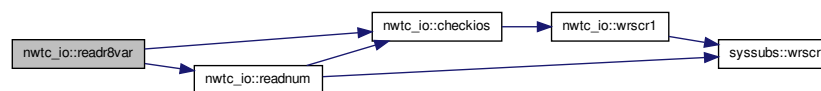
Here is the call graph for this function:



3.27.2.237 subroutine `nwtc_io::readr8var` (integer, intent(in) *UnIn*, character(*) , intent(in) *Fil*, real(r8ki), intent(out) *RealVar*, character(*) , intent(in) *VarName*, character(*) , intent(in) *VarDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 31908 of file `tempassembled.f90`.

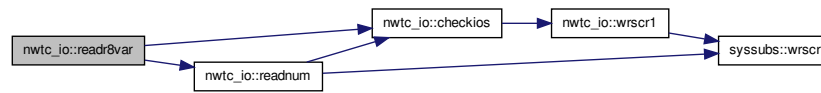
Here is the call graph for this function:



3.27.2.238 subroutine `nwtc_io::readr8var` (integer, intent(in) *UnIn*, character(*) , intent(in) *Fil*, real(r8ki), intent(out) *RealVar*, character(*) , intent(in) *VarName*, character(*) , intent(in) *VarDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 18038 of file `tempassembled.f90`.

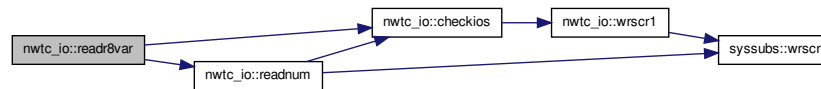
Here is the call graph for this function:



3.27.2.239 subroutine `nwtc_io::readr8var` (integer, intent(in) *UnIn*, character(*) , intent(in) *Fil*, real(r8ki), intent(out) *RealVar*, character(*) , intent(in) *VarName*, character(*) , intent(in) *VarDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 45778 of file `tempassembled.f90`.

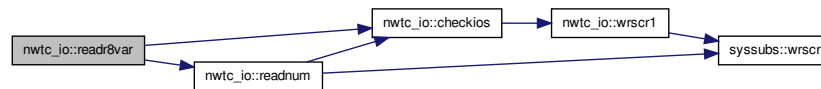
Here is the call graph for this function:



3.27.2.240 subroutine `nwtc_io::readr8var` (integer, intent(in) *UnIn*, character(*) , intent(in) *Fil*, real(r8ki), intent(out) *RealVar*, character(*) , intent(in) *VarName*, character(*) , intent(in) *VarDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 4168 of file `tempassembled.f90`.

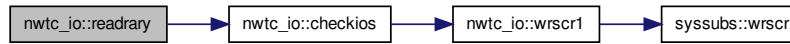
Here is the call graph for this function:



3.27.2.241 subroutine `nwtc_io::readrary` (integer, intent(in) *UnIn*, character(*) , intent(in) *Fil*, real(reki), dimension(arylen), intent(inout) *RealAry*, integer, intent(in) *AryLen*, character(*) , intent(in) *AryName*, character(*) , intent(in) *AryDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 45440 of file `tempassembled.f90`.

Here is the call graph for this function:



3.27.2.242 subroutine `nwtc_io::readrary` (integer, intent(in) *UnIn*, character(*), intent(in) *Fil*, real(reki), dimension(arylen), intent(inout) *RealAry*, integer, intent(in) *AryLen*, character(*), intent(in) *AryName*, character(*), intent(in) *AryDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 17700 of file `tempassembled.f90`.

Here is the call graph for this function:



3.27.2.243 subroutine `nwtc_io::readrary` (integer, intent(in) *UnIn*, character(*), intent(in) *Fil*, real(reki), dimension(arylen), intent(inout) *RealAry*, integer, intent(in) *AryLen*, character(*), intent(in) *AryName*, character(*), intent(in) *AryDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 31570 of file `tempassembled.f90`.

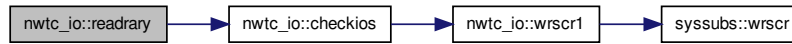
Here is the call graph for this function:



3.27.2.244 subroutine `nwtc_io::readrary` (integer, intent(in) *UnIn*, character(*), intent(in) *Fil*, real(reki), dimension(arylen), intent(inout) *RealAry*, integer, intent(in) *AryLen*, character(*), intent(in) *AryName*, character(*), intent(in) *AryDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 3830 of file `tempassembled.f90`.

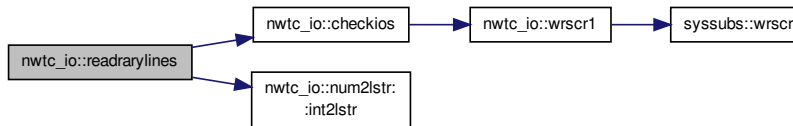
Here is the call graph for this function:



3.27.2.245 subroutine `nwtc_io::readrarraylines` (integer, intent(in) *UnIn*, character(*), intent(in) *Fil*, real(reki), dimension(arylen), intent(out) *RealAry*, integer, intent(in) *AryLen*, character(*), intent(in) *AryName*, character(*), intent(in) *AryDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 3877 of file `tempassembled.f90`.

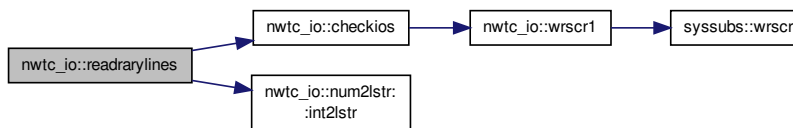
Here is the call graph for this function:



3.27.2.246 subroutine `nwtc_io::readrarraylines` (integer, intent(in) *UnIn*, character(*), intent(in) *Fil*, real(reki), dimension(arylen), intent(out) *RealAry*, integer, intent(in) *AryLen*, character(*), intent(in) *AryName*, character(*), intent(in) *AryDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 45487 of file `tempassembled.f90`.

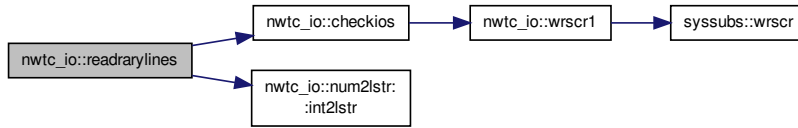
Here is the call graph for this function:



3.27.2.247 subroutine `nwtc_io::readrarraylines` (integer, intent(in) *UnIn*, character(*), intent(in) *Fil*, real(reki), dimension(arylen), intent(out) *RealAry*, integer, intent(in) *AryLen*, character(*), intent(in) *AryName*, character(*), intent(in) *AryDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 31617 of file `tempassembled.f90`.

Here is the call graph for this function:



3.27.2.248 subroutine `nwtc_io::readrarraylines` (integer, intent(in) *Unln*, character(*), intent(in) *Fil*, real(*reki*), dimension(*arylen*), intent(out) *RealAry*, integer, intent(in) *AryLen*, character(*), intent(in) *AryName*, character(*), intent(in) *AryDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 17747 of file `tempassembled.f90`.

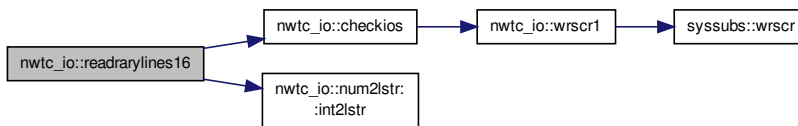
Here is the call graph for this function:



3.27.2.249 subroutine `nwtc_io::readrarraylines16` (integer, intent(in) *Unln*, character(*), intent(in) *Fil*, real(*quki*), dimension(*arylen*), intent(out) *RealAry*, integer, intent(in) *AryLen*, character(*), intent(in) *AryName*, character(*), intent(in) *AryDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 45628 of file `tempassembled.f90`.

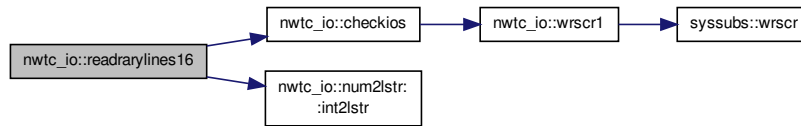
Here is the call graph for this function:



3.27.2.250 subroutine `nwtc_io::readrarraylines16` (integer, intent(in) *Unln*, character(*), intent(in) *Fil*, real(*quki*), dimension(*arylen*), intent(out) *RealAry*, integer, intent(in) *AryLen*, character(*), intent(in) *AryName*, character(*), intent(in) *AryDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 31758 of file `tempassembled.f90`.

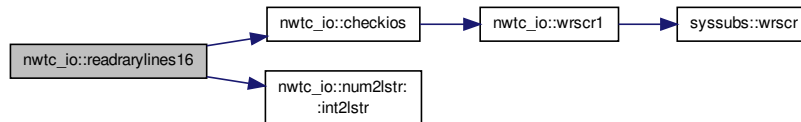
Here is the call graph for this function:



3.27.2.251 subroutine `nwtc_io::readrarraylines16` (integer, intent(in) *UnIn*, character(*), intent(in) *Fil*, real(quki), dimension(arylen), intent(out) *RealAry*, integer, intent(in) *AryLen*, character(*), intent(in) *AryName*, character(*), intent(in) *AryDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 4018 of file `tempassembled.f90`.

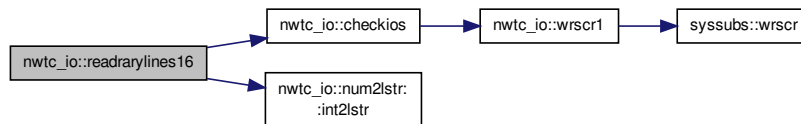
Here is the call graph for this function:



3.27.2.252 subroutine `nwtc_io::readrarraylines16` (integer, intent(in) *UnIn*, character(*), intent(in) *Fil*, real(quki), dimension(arylen), intent(out) *RealAry*, integer, intent(in) *AryLen*, character(*), intent(in) *AryName*, character(*), intent(in) *AryDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 17888 of file `tempassembled.f90`.

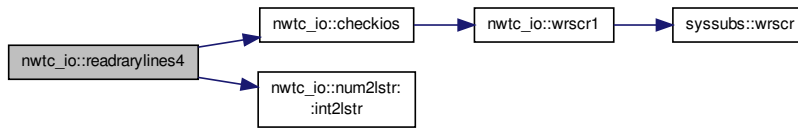
Here is the call graph for this function:



3.27.2.253 subroutine `nwtc_io::readrarraylines4` (integer, intent(in) *UnIn*, character(*), intent(in) *Fil*, real(siki), dimension(arylen), intent(out) *RealAry*, integer, intent(in) *AryLen*, character(*), intent(in) *AryName*, character(*), intent(in) *AryDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 3924 of file `tempassembled.f90`.

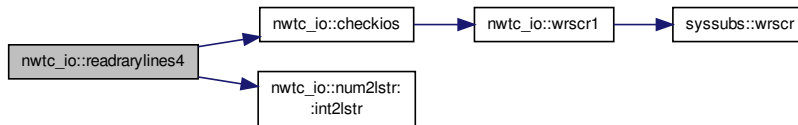
Here is the call graph for this function:



3.27.2.254 subroutine `nwtc_io::readrarraylines4` (integer, intent(in) *UnIn*, character(*), intent(in) *Fil*, real(siki), dimension(arylen), intent(out) *RealAry*, integer, intent(in) *AryLen*, character(*), intent(in) *AryName*, character(*), intent(in) *AryDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 45534 of file `tempassembled.f90`.

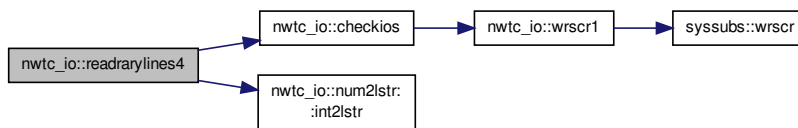
Here is the call graph for this function:



3.27.2.255 subroutine `nwtc_io::readrarraylines4` (integer, intent(in) *UnIn*, character(*), intent(in) *Fil*, real(siki), dimension(arylen), intent(out) *RealAry*, integer, intent(in) *AryLen*, character(*), intent(in) *AryName*, character(*), intent(in) *AryDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 17794 of file `tempassembled.f90`.

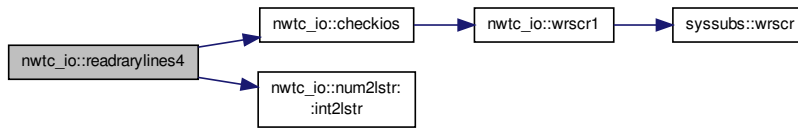
Here is the call graph for this function:



3.27.2.256 subroutine `nwtc_io::readrarraylines4` (integer, intent(in) *UnIn*, character(*), intent(in) *Fil*, real(siki), dimension(arylen), intent(out) *RealAry*, integer, intent(in) *AryLen*, character(*), intent(in) *AryName*, character(*), intent(in) *AryDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 31664 of file `tempassembled.f90`.

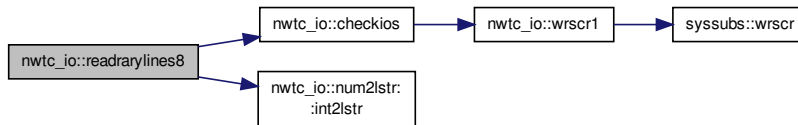
Here is the call graph for this function:



3.27.2.257 subroutine `nwtc_io::readrarraylines8` (integer, intent(in) *UnIn*, character(*), intent(in) *Fil*, real(r8ki), dimension(arylen), intent(out) *RealAry*, integer, intent(in) *AryLen*, character(*), intent(in) *AryName*, character(*), intent(in) *AryDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 31711 of file `tempassembled.f90`.

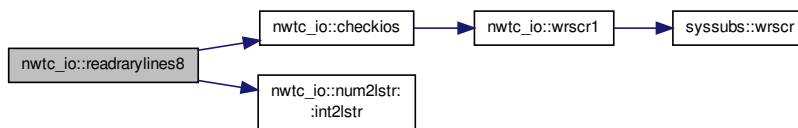
Here is the call graph for this function:



3.27.2.258 subroutine `nwtc_io::readrarraylines8` (integer, intent(in) *UnIn*, character(*), intent(in) *Fil*, real(r8ki), dimension(arylen), intent(out) *RealAry*, integer, intent(in) *AryLen*, character(*), intent(in) *AryName*, character(*), intent(in) *AryDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 17841 of file `tempassembled.f90`.

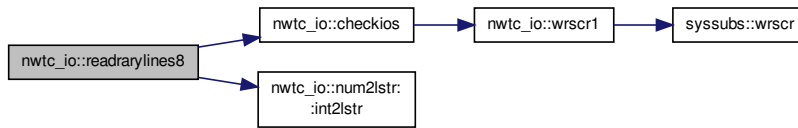
Here is the call graph for this function:



3.27.2.259 subroutine `nwtc_io::readrarraylines8` (integer, intent(in) *UnIn*, character(*), intent(in) *Fil*, real(r8ki), dimension(arylen), intent(out) *RealAry*, integer, intent(in) *AryLen*, character(*), intent(in) *AryName*, character(*), intent(in) *AryDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 3971 of file `tempassembled.f90`.

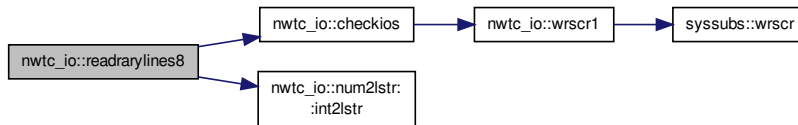
Here is the call graph for this function:



3.27.2.260 subroutine `nwtc_io::readrarraylines8` (integer, intent(in) *UnIn*, character(*), intent(in) *Fil*, real(r8ki), dimension(arylen), intent(out) *RealAry*, integer, intent(in) *AryLen*, character(*), intent(in) *AryName*, character(*), intent(in) *AryDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 45581 of file `tempassembled.f90`.

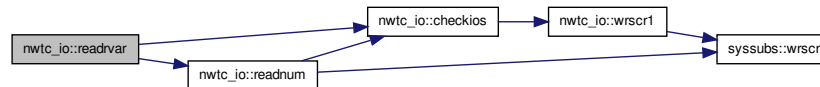
Here is the call graph for this function:



3.27.2.261 subroutine `nwtc_io::readrvar` (integer, intent(in) *UnIn*, character(*), intent(in) *Fil*, real(reki), intent(out) *RealVar*, character(*), intent(in) *VarName*, character(*), intent(in) *VarDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 45675 of file `tempassembled.f90`.

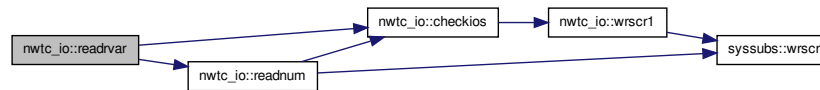
Here is the call graph for this function:



3.27.2.262 subroutine `nwtc_io::readrvar` (integer, intent(in) *UnIn*, character(*), intent(in) *Fil*, real(reki), intent(out) *RealVar*, character(*), intent(in) *VarName*, character(*), intent(in) *VarDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 31805 of file `tempassembled.f90`.

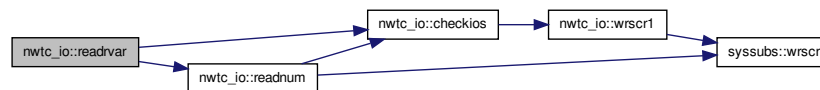
Here is the call graph for this function:



3.27.2.263 subroutine `nwtc_io::readrvar` (integer, intent(in) *Unln*, character(*) , intent(in) *Fil*, real(reki), intent(out) *RealVar*, character(*) , intent(in) *VarName*, character(*) , intent(in) *VarDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 17935 of file `tempassembled.f90`.

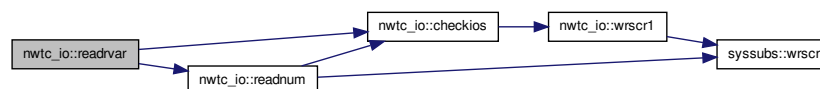
Here is the call graph for this function:



3.27.2.264 subroutine `nwtc_io::readrvar` (integer, intent(in) *Unln*, character(*) , intent(in) *Fil*, real(reki), intent(out) *RealVar*, character(*) , intent(in) *VarName*, character(*) , intent(in) *VarDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 4065 of file `tempassembled.f90`.

Here is the call graph for this function:



Here is the caller graph for this function:



3.27.2.265 subroutine `nwtc_io::readstr` (integer, intent(in) *UnIn*, character(*), intent(in) *Fil*, character(*), intent(out) *CharVar*, character(*), intent(in) *VarName*, character(*), intent(in) *VarDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 18140 of file `tempassembled.f90`.

Here is the call graph for this function:



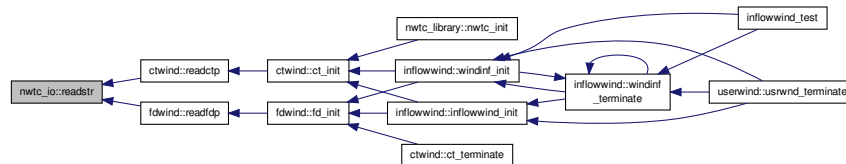
3.27.2.266 subroutine `nwtc_io::readstr` (integer, intent(in) *UnIn*, character(*), intent(in) *Fil*, character(*), intent(out) *CharVar*, character(*), intent(in) *VarName*, character(*), intent(in) *VarDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 4270 of file `tempassembled.f90`.

Here is the call graph for this function:



Here is the caller graph for this function:



3.27.2.267 subroutine `nwtc_io::readstr` (integer, intent(in) *UnIn*, character(*), intent(in) *Fil*, character(*), intent(out) *CharVar*, character(*), intent(in) *VarName*, character(*), intent(in) *VarDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 32010 of file `tempassembled.f90`.

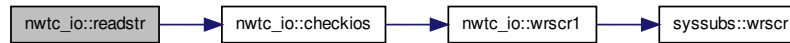
Here is the call graph for this function:



3.27.2.268 subroutine `nwtc_io::readstr` (integer, intent(in) *UnIn*, character(*), intent(in) *Fil*, character(*), intent(out) *CharVar*, character(*), intent(in) *VarName*, character(*), intent(in) *VarDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 45880 of file `tempassembled.f90`.

Here is the call graph for this function:



3.27.2.269 subroutine `nwtc_io::waittime` (real(*reki*), intent(in) *WaitSecs*)

Definition at line 32053 of file `tempassembled.f90`.

3.27.2.270 subroutine `nwtc_io::waittime` (real(*reki*), intent(in) *WaitSecs*)

Definition at line 45923 of file `tempassembled.f90`.

3.27.2.271 subroutine `nwtc_io::waittime` (real(*reki*), intent(in) *WaitSecs*)

Definition at line 18183 of file `tempassembled.f90`.

3.27.2.272 subroutine `nwtc_io::waittime` (real(*reki*), intent(in) *WaitSecs*)

Definition at line 4313 of file `tempassembled.f90`.

3.27.2.273 subroutine `nwtc_io::wrfilenr` (integer, intent(in) *Unit*, character(*), intent(in) *Str*)

Definition at line 4370 of file `tempassembled.f90`.

3.27.2.274 subroutine `nwtc_io::wrfilenr` (integer, intent(in) *Unit*, character(*), intent(in) *Str*)

Definition at line 45980 of file `tempassembled.f90`.

3.27.2.275 subroutine `nwtc_io::wrfilenr` (integer, intent(in) *Unit*, character(*), intent(in) *Str*)

Definition at line 18240 of file `tempassembled.f90`.

3.27.2.276 subroutine `nwtc_io::wrfilenr` (integer, intent(in) *Unit*, character(*), intent(in) *Str*)

Definition at line 32110 of file `tempassembled.f90`.

3.27.2.277 subroutine `nwtc_io::wrml` (character(*) *Str*)

Definition at line 18260 of file `tempassembled.f90`.

Here is the call graph for this function:



3.27.2.278 subroutine nwtc_io::wrml (character(*) Str)

Definition at line 4390 of file tempassembled.f90.

Here is the call graph for this function:



3.27.2.279 subroutine nwtc_io::wrml (character(*) Str)

Definition at line 32130 of file tempassembled.f90.

Here is the call graph for this function:



3.27.2.280 subroutine nwtc_io::wrml (character(*) Str)

Definition at line 46000 of file tempassembled.f90.

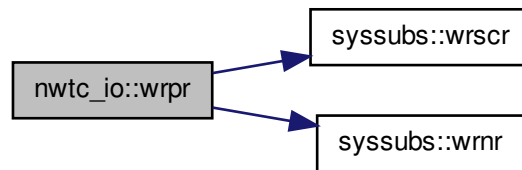
Here is the call graph for this function:



3.27.2.281 subroutine `nwtc_io::wrpr` (`character(*)`, `intent(in) Str`)

Definition at line 18220 of file `tempassembled.f90`.

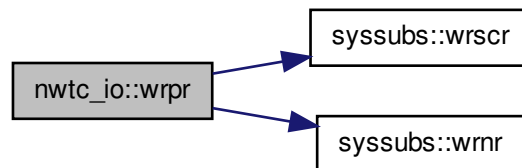
Here is the call graph for this function:



3.27.2.282 subroutine `nwtc_io::wrpr` (`character(*)`, `intent(in) Str`)

Definition at line 4350 of file `tempassembled.f90`.

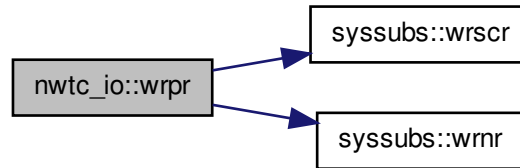
Here is the call graph for this function:



3.27.2.283 subroutine nwtc_io::wrpr (character(*), intent(in) Str)

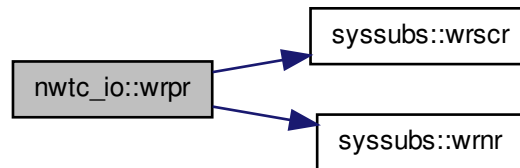
Definition at line 32090 of file tempassembled.f90.

Here is the call graph for this function:

**3.27.2.284** subroutine nwtc_io::wrpr (character(*), intent(in) Str)

Definition at line 45960 of file tempassembled.f90.

Here is the call graph for this function:

**3.27.2.285** subroutine nwtc_io::wrscr1 (character(*) Str)

Definition at line 32148 of file tempassembled.f90.

Here is the call graph for this function:



3.27.2.286 subroutine nwtc_io::wrscr1 (character(*) *Str*)

Definition at line 18278 of file tempassembled.f90.

Here is the call graph for this function:

**3.27.2.287** subroutine nwtc_io::wrscr1 (character(*) *Str*)

Definition at line 46018 of file tempassembled.f90.

Here is the call graph for this function:

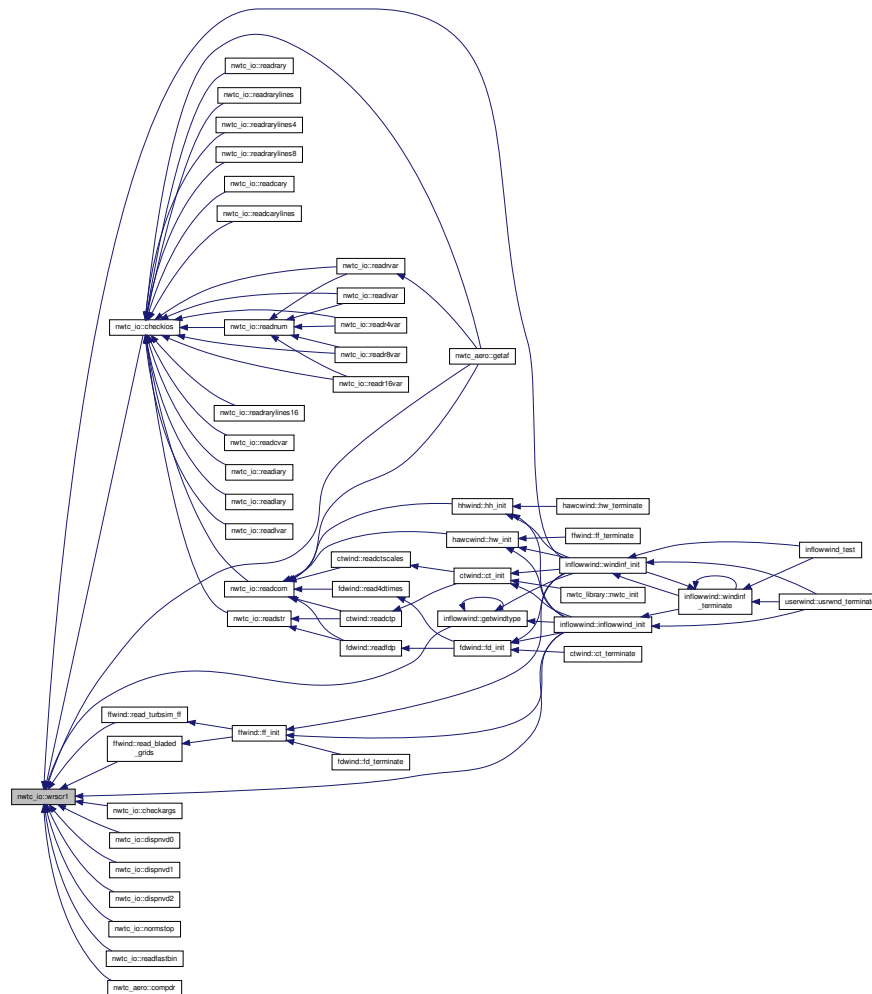
**3.27.2.288** subroutine nwtc_io::wrscr1 (character(*) *Str*)

Definition at line 4408 of file tempassembled.f90.

Here is the call graph for this function:



Here is the caller graph for this function:



3.27.3 Member Data Documentation

3.27.3.1 integer(intki) nwtc_io::aborterrlev = ErrID_Fatal

Definition at line 1021 of file tempassembled.f90.

3.27.3.2 logical nwtc_io::beep = .TRUE.

Definition at line 1030 of file tempassembled.f90.

3.27.3.3 logical nwtc_io::echo = .FALSE.

Definition at line 1031 of file tempassembled.f90.

3.27.3.4 integer(intki), parameter nwtc_io::errid_fatal = 4

Definition at line 1019 of file tempassembled.f90.

3.27.3.5 integer(intki), parameter nwtc_io::errid_info = 1

Definition at line 1016 of file tempassembled.f90.

3.27.3.6 integer(intki), parameter nwtc_io::errid_none = 0

Definition at line 1015 of file tempassembled.f90.

3.27.3.7 integer(intki), parameter nwtc_io::errid_severe = 3

Definition at line 1018 of file tempassembled.f90.

3.27.3.8 integer(intki), parameter nwtc_io::errid_warn = 2

Definition at line 1017 of file tempassembled.f90.

3.27.3.9 integer(intki), parameter nwtc_io::flgtype = 1

Definition at line 1025 of file tempassembled.f90.

3.27.3.10 integer(intki), parameter nwtc_io::numtype = 2

Definition at line 1026 of file tempassembled.f90.

3.27.3.11 type(progdesc), parameter nwtc_io::nwtc_ver = ProgDesc('NWTC Subroutine Library', 'v1.06.00b-bjj', '07-Dec-2012')

Definition at line 1033 of file tempassembled.f90.

3.27.3.12 character(20) nwtc_io::progname = ''

Definition at line 1034 of file tempassembled.f90.

3.27.3.13 character(99) nwtc_io::progver

Definition at line 1035 of file tempassembled.f90.

3.27.3.14 integer(intki), parameter nwtc_io::strtype = 3

Definition at line 1027 of file tempassembled.f90.

3.27.3.15 character(1), parameter nwtc_io::tab = CHAR(9)

Definition at line 1036 of file tempassembled.f90.

3.27.3.16 integer nwtc_io::unec = 19

Definition at line 1028 of file tempassembled.f90.

The documentation for this module was generated from the following file:

- [tempassembled.f90](#)

3.28 nwtc_library Module Reference

Public Member Functions

- subroutine [nwtc_init](#) (ProgNameIn, ProgVerIn)

- subroutine `nwtc_init` (ProgNameIn, ProgVerIn)
- subroutine `nwtc_init` (ProgNameIn, ProgVerIn)
- subroutine `nwtc_init` (ProgNameIn, ProgVerIn)

3.28.1 Detailed Description

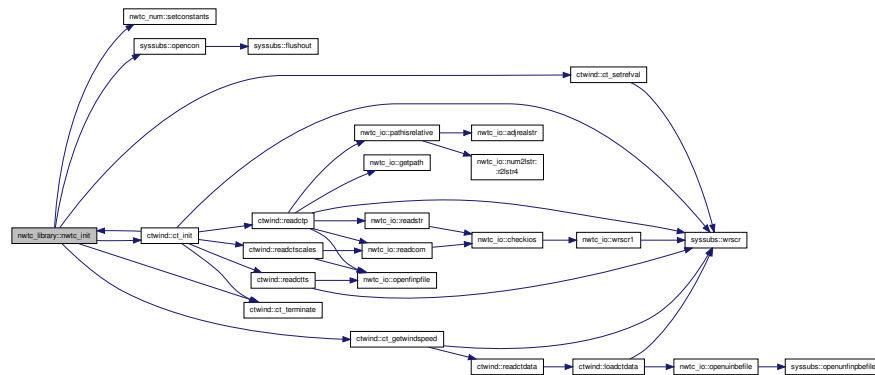
Definition at line 7095 of file `tempassembled.f90`.

3.28.2 Member Function/Subroutine Documentation

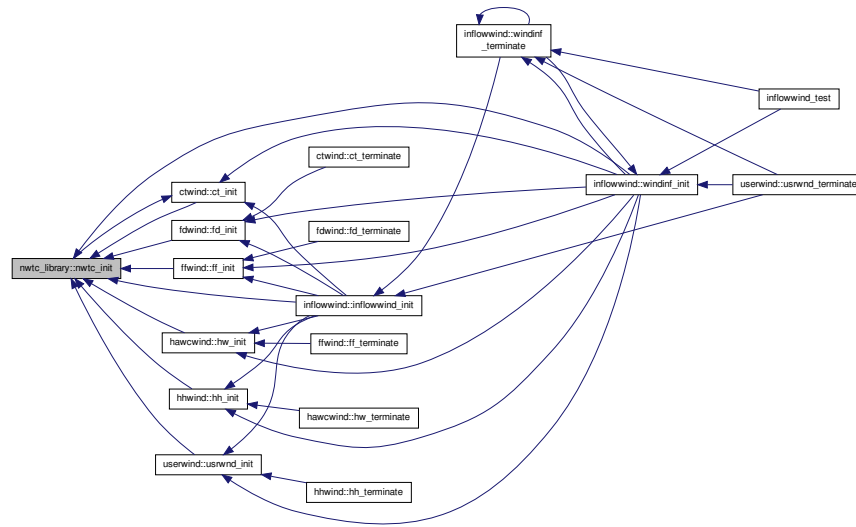
3.28.2.1 subroutine `nwtc_library::nwtc_init` (character(*), intent(in), optional *ProgNameIn*, character(*), intent(in), optional *ProgVerIn*)

Definition at line 7141 of file `tempassembled.f90`.

Here is the call graph for this function:



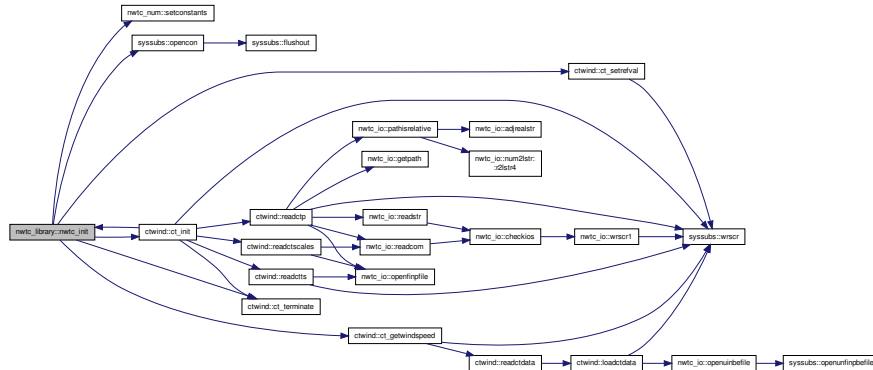
Here is the caller graph for this function:



3.28.2.2 subroutine nwtc_library::nwtc_init (character(*), intent(in), optional *ProgNameIn*, character(*), intent(in), optional *ProgVerIn*)

Definition at line 48751 of file tempassembled.f90.

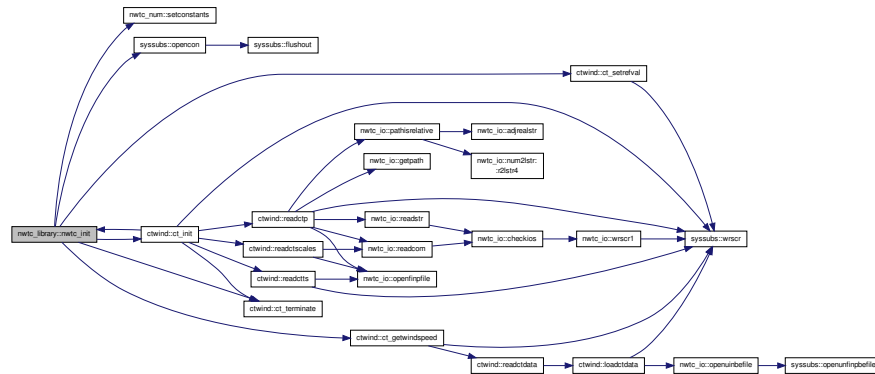
Here is the call graph for this function:



3.28.2.3 subroutine nwtc_library::nwtc_init (character(*), intent(in), optional *ProgNameIn*, character(*), intent(in), optional *ProgVerIn*)

Definition at line 34881 of file tempassembled.f90.

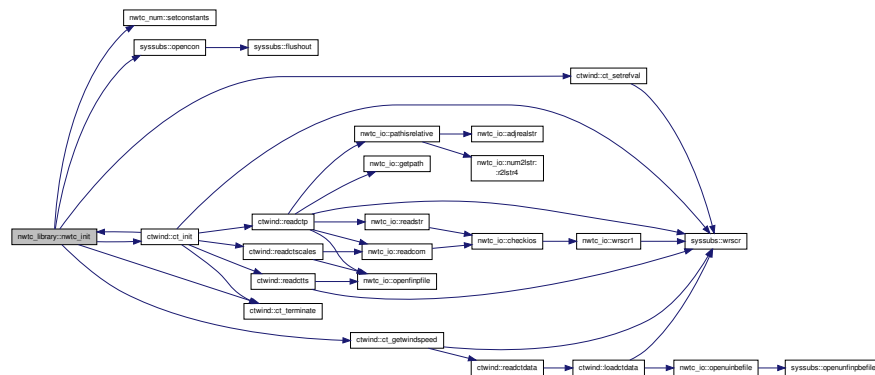
Here is the call graph for this function:



3.28.2.4 subroutine nwtc_library::nwtc_init (character(*), intent(in), optional *ProgNameIn*, character(*), intent(in), optional *ProgVerIn*)

Definition at line 21011 of file tempassembled.f90.

Here is the call graph for this function:



The documentation for this module was generated from the following file:

- [tempassembled.f90](#)

3.29 nwtc_num Module Reference

Data Types

- interface [equalrealnos](#)
- interface [interpbin](#)
- interface [interpstp](#)

Public Member Functions

- subroutine [addorsub2pi](#) (OldAngle, NewAngle)
- subroutine [bsortreal](#) (RealAry, NumPts)
- real(reki) function, dimension(3) [cross_product](#) (Vector1, Vector2)
- logical function [equalrealnos4](#) (ReNum1, ReNum2)
- logical function [equalrealnos8](#) (ReNum1, ReNum2)
- logical function [equalrealnos16](#) (ReNum1, ReNum2)
- real(reki) function, dimension(3) [getsmllrotangs](#) (DCMat, ErrStat)
- subroutine [gl_pts](#) (IPt, NPts, Loc, Wt, ErrStat)
- integer function [indexcharary](#) (CVal, CAry)
- complex(reki) function [interpbincomp](#) (XVal, XAry, YAry, ILo, AryLen)
- real(reki) function [interpbinreal](#) (XVal, XAry, YAry, ILo, AryLen)
- complex(reki) function [interpstpcomp](#) (XVal, XAry, YAry, Ind, AryLen)
- real(reki) function [interpstpreal](#) (XVal, XAry, YAry, Ind, AryLen)
- subroutine [locatebin](#) (XVal, XAry, Ind, AryLen)
- subroutine [locatestp](#) (XVal, XAry, Ind, AryLen)
- real(reki) function [mean](#) (Ary, AryLen)
- subroutine [mpi2pi](#) (Angle)
- subroutine [rombergint](#) (f, a, b, R, err, eps, ErrStat)
- subroutine [setconstants](#) ()
- subroutine [smllrottrans](#) (RotationType, Theta1, Theta2, Theta3, TransMat, ErrTxt)
- subroutine [sortunion](#) (Ary1, N1, Ary2, N2, Ary, N)
- real(reki) function [stddevfn](#) (Ary, AryLen, Mean)
- subroutine [addorsub2pi](#) (OldAngle, NewAngle)
- subroutine [bsortreal](#) (RealAry, NumPts)
- real(reki) function, dimension(3) [cross_product](#) (Vector1, Vector2)
- logical function [equalrealnos4](#) (ReNum1, ReNum2)
- logical function [equalrealnos8](#) (ReNum1, ReNum2)
- logical function [equalrealnos16](#) (ReNum1, ReNum2)
- real(reki) function, dimension(3) [getsmllrotangs](#) (DCMat, ErrStat)
- subroutine [gl_pts](#) (IPt, NPts, Loc, Wt, ErrStat)
- integer function [indexcharary](#) (CVal, CAry)
- complex(reki) function [interpbincomp](#) (XVal, XAry, YAry, ILo, AryLen)
- real(reki) function [interpbinreal](#) (XVal, XAry, YAry, ILo, AryLen)
- complex(reki) function [interpstpcomp](#) (XVal, XAry, YAry, Ind, AryLen)
- real(reki) function [interpstpreal](#) (XVal, XAry, YAry, Ind, AryLen)
- subroutine [locatebin](#) (XVal, XAry, Ind, AryLen)
- subroutine [locatestp](#) (XVal, XAry, Ind, AryLen)
- real(reki) function [mean](#) (Ary, AryLen)
- subroutine [mpi2pi](#) (Angle)
- subroutine [rombergint](#) (f, a, b, R, err, eps, ErrStat)
- subroutine [setconstants](#) ()
- subroutine [smllrottrans](#) (RotationType, Theta1, Theta2, Theta3, TransMat, ErrTxt)
- subroutine [sortunion](#) (Ary1, N1, Ary2, N2, Ary, N)
- real(reki) function [stddevfn](#) (Ary, AryLen, Mean)
- subroutine [addorsub2pi](#) (OldAngle, NewAngle)
- subroutine [bsortreal](#) (RealAry, NumPts)
- real(reki) function, dimension(3) [cross_product](#) (Vector1, Vector2)
- logical function [equalrealnos4](#) (ReNum1, ReNum2)
- logical function [equalrealnos8](#) (ReNum1, ReNum2)

- logical function [equalrealnos16](#) (ReNum1, ReNum2)
- real(reki) function, dimension(3) [getsmallrotangs](#) (DCMat, ErrStat)
- subroutine [gl_pts](#) (IPt, NPts, Loc, Wt, ErrStat)
- integer function [indexcharary](#) (CVal, CAry)
- complex(reki) function [interpbincomp](#) (XVal, XAry, YAry, ILo, AryLen)
- real(reki) function [interpbinreal](#) (XVal, XAry, YAry, ILo, AryLen)
- complex(reki) function [interpstpcomp](#) (XVal, XAry, YAry, Ind, AryLen)
- real(reki) function [interpstpreal](#) (XVal, XAry, YAry, Ind, AryLen)
- subroutine [locatebin](#) (XVal, XAry, Ind, AryLen)
- subroutine [locatestp](#) (XVal, XAry, Ind, AryLen)
- real(reki) function [mean](#) (Ary, AryLen)
- subroutine [mpi2pi](#) (Angle)
- subroutine [rombergint](#) (f, a, b, R, err, eps, ErrStat)
- subroutine [setconstants](#) ()
- subroutine [smallrottrans](#) (RotationType, Theta1, Theta2, Theta3, TransMat, ErrTxt)
- subroutine [sortunion](#) (Ary1, N1, Ary2, N2, Ary, N)
- real(reki) function [stddevfn](#) (Ary, AryLen, Mean)
- subroutine [addorsub2pi](#) (OldAngle, NewAngle)
- subroutine [bsortreal](#) (RealAry, NumPts)
- real(reki) function, dimension(3) [cross_product](#) (Vector1, Vector2)
- logical function [equalrealnos4](#) (ReNum1, ReNum2)
- logical function [equalrealnos8](#) (ReNum1, ReNum2)
- logical function [equalrealnos16](#) (ReNum1, ReNum2)
- real(reki) function, dimension(3) [getsmallrotangs](#) (DCMat, ErrStat)
- subroutine [gl_pts](#) (IPt, NPts, Loc, Wt, ErrStat)
- integer function [indexcharary](#) (CVal, CAry)
- complex(reki) function [interpbincomp](#) (XVal, XAry, YAry, ILo, AryLen)
- real(reki) function [interpbinreal](#) (XVal, XAry, YAry, ILo, AryLen)
- complex(reki) function [interpstpcomp](#) (XVal, XAry, YAry, Ind, AryLen)
- real(reki) function [interpstpreal](#) (XVal, XAry, YAry, Ind, AryLen)
- subroutine [locatebin](#) (XVal, XAry, Ind, AryLen)
- subroutine [locatestp](#) (XVal, XAry, Ind, AryLen)
- real(reki) function [mean](#) (Ary, AryLen)
- subroutine [mpi2pi](#) (Angle)
- subroutine [rombergint](#) (f, a, b, R, err, eps, ErrStat)
- subroutine [setconstants](#) ()
- subroutine [smallrottrans](#) (RotationType, Theta1, Theta2, Theta3, TransMat, ErrTxt)
- subroutine [sortunion](#) (Ary1, N1, Ary2, N2, Ary, N)
- real(reki) function [stddevfn](#) (Ary, AryLen, Mean)

Public Attributes

- real(dbki) [d2r_d](#)
- real(dbki) [inf_d](#)
- real(dbki) [nan_d](#)
- real(dbki) [pi_d](#)
- real(dbki) [piby2_d](#)
- real(dbki) [r2d_d](#)
- real(dbki) [rpm2rps_d](#)
- real(dbki) [rps2rpm_d](#)

- real(dbki) [twoby_pi_d](#)
- real(dbki) [twopi_d](#)
- real(reki) [d2r](#)
- real(reki) [inf](#)
- real(reki) [nan](#)
- real(reki) [pi](#)
- real(reki) [pi_by2](#)
- real(reki) [r2d](#)
- real(reki) [rpm2rps](#)
- real(reki) [rps2rpm](#)
- real(reki) [twoby_pi](#)
- real(reki) [twopi](#)
- integer, dimension(:, :),
allocatable [intindx](#)

3.29.1 Detailed Description

Definition at line 4429 of file tempassembled.f90.

3.29.2 Member Function/Subroutine Documentation

3.29.2.1 subroutine `nwtc_num::addorsub2pi` (`real(reki)`, intent(inout) *OldAngle*, `real(reki)`, intent(inout) *NewAngle*)

Definition at line 4524 of file tempassembled.f90.

3.29.2.2 subroutine `nwtc_num::addorsub2pi` (`real(reki)`, intent(inout) *OldAngle*, `real(reki)`, intent(inout) *NewAngle*)

Definition at line 18394 of file tempassembled.f90.

3.29.2.3 subroutine `nwtc_num::addorsub2pi` (`real(reki)`, intent(inout) *OldAngle*, `real(reki)`, intent(inout) *NewAngle*)

Definition at line 46134 of file tempassembled.f90.

3.29.2.4 subroutine `nwtc_num::addorsub2pi` (`real(reki)`, intent(inout) *OldAngle*, `real(reki)`, intent(inout) *NewAngle*)

Definition at line 32264 of file tempassembled.f90.

3.29.2.5 subroutine `nwtc_num::bsortreal` (`real(reki)`, dimension(numpts), intent(inout) *RealAry*, integer, intent(in) *NumPts*)

Definition at line 46184 of file tempassembled.f90.

3.29.2.6 subroutine `nwtc_num::bsortreal` (`real(reki)`, dimension(numpts), intent(inout) *RealAry*, integer, intent(in) *NumPts*)

Definition at line 4574 of file tempassembled.f90.

3.29.2.7 subroutine `nwtc_num::bsortreal` (`real(reki)`, dimension(numpts), intent(inout) *RealAry*, integer, intent(in) *NumPts*)

Definition at line 32314 of file tempassembled.f90.

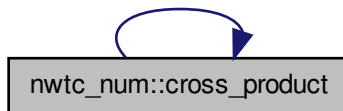
3.29.2.8 subroutine `nwtc_num::bsortreal` (`real(reki)`, dimension(numpts), intent(inout) *RealAry*, integer, intent(in) *NumPts*)

Definition at line 18444 of file tempassembled.f90.

3.29.2.9 `real(reki) function, dimension (3) nwtc_num::cross_product (real(reki), dimension (3), intent(in) Vector1, real(reki), dimension (3), intent(in) Vector2)`

Definition at line 46230 of file `tempassembled.f90`.

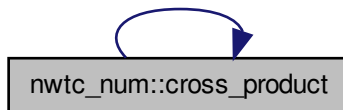
Here is the call graph for this function:



3.29.2.10 `real(reki) function, dimension (3) nwtc_num::cross_product (real(reki), dimension (3), intent(in) Vector1, real(reki), dimension (3), intent(in) Vector2)`

Definition at line 32360 of file `tempassembled.f90`.

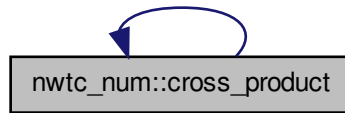
Here is the call graph for this function:



3.29.2.11 `real(reki) function, dimension (3) nwtc_num::cross_product (real(reki), dimension (3), intent(in) Vector1, real(reki), dimension (3), intent(in) Vector2)`

Definition at line 4620 of file `tempassembled.f90`.

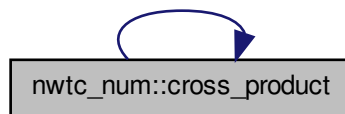
Here is the caller graph for this function:



3.29.2.12 `real(reki)` function, dimension (3) `nwtc_num::cross_product (real(reki), dimension (3), intent(in) Vector1, real(reki), dimension (3), intent(in) Vector2)`

Definition at line 18490 of file `tempassembled.f90`.

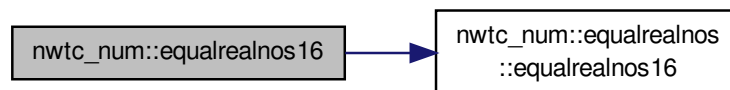
Here is the call graph for this function:



3.29.2.13 logical function `nwtc_num::equalrealnos16 (real(quki), intent(in) ReNum1, real(quki), intent(in) ReNum2)`

Definition at line 46374 of file `tempassembled.f90`.

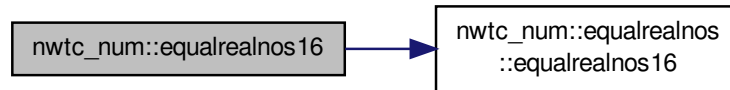
Here is the call graph for this function:



3.29.2.14 logical function `nwtc_num::equalrealnos16 (real(quki), intent(in) ReNum1, real(quki), intent(in) ReNum2)`

Definition at line 4764 of file `tempassembled.f90`.

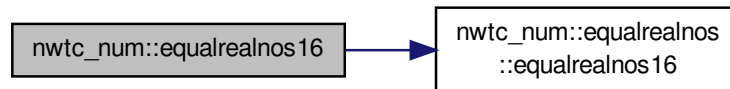
Here is the call graph for this function:



3.29.2.15 logical function `nwtc_num::equalrealnos16 (real(quki), intent(in) ReNum1, real(quki), intent(in) ReNum2)`

Definition at line 32504 of file `tempassembled.f90`.

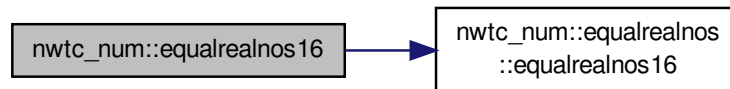
Here is the call graph for this function:



3.29.2.16 logical function `nwtc_num::equalrealnos16 (real(quki), intent(in) ReNum1, real(quki), intent(in) ReNum2)`

Definition at line 18634 of file `tempassembled.f90`.

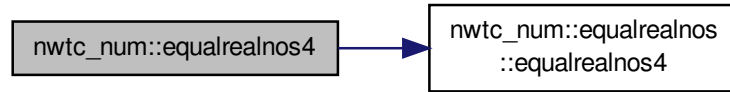
Here is the call graph for this function:



3.29.2.17 logical function `nwtc_num::equalrealnos4 (real(siki), intent(in) ReNum1, real(siki), intent(in) ReNum2)`

Definition at line 4690 of file `tempassembled.f90`.

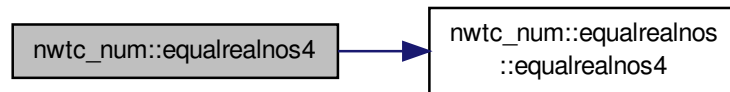
Here is the call graph for this function:



3.29.2.18 logical function `nwtc_num::equalrealnos4 (real(siki), intent(in) ReNum1, real(siki), intent(in) ReNum2)`

Definition at line 46300 of file `tempassembled.f90`.

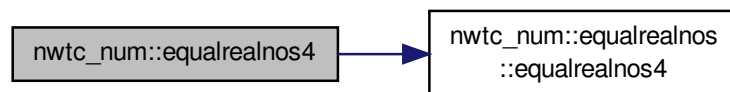
Here is the call graph for this function:



3.29.2.19 logical function `nwtc_num::equalrealnos4 (real(siki), intent(in) ReNum1, real(siki), intent(in) ReNum2)`

Definition at line 32430 of file `tempassembled.f90`.

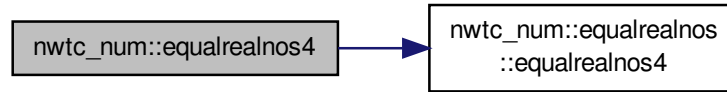
Here is the call graph for this function:



3.29.2.20 logical function `nwtc_num::equalrealnos4 (real(siki), intent(in) ReNum1, real(siki), intent(in) ReNum2)`

Definition at line 18560 of file `tempassembled.f90`.

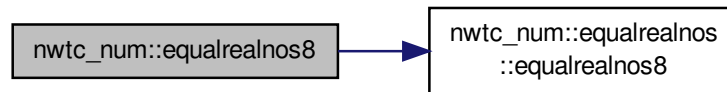
Here is the call graph for this function:



3.29.2.21 logical function nwtc_num::equalrealnos8 (real(r8ki), intent(in) *ReNum1*, real(r8ki), intent(in) *ReNum2*)

Definition at line 46337 of file tempassembled.f90.

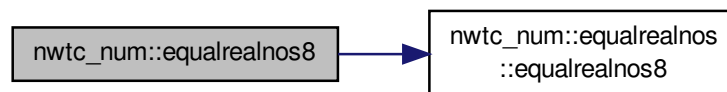
Here is the call graph for this function:



3.29.2.22 logical function nwtc_num::equalrealnos8 (real(r8ki), intent(in) *ReNum1*, real(r8ki), intent(in) *ReNum2*)

Definition at line 4727 of file tempassembled.f90.

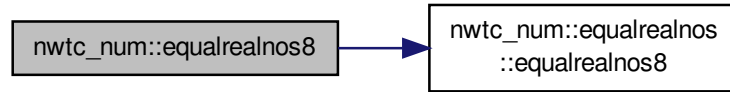
Here is the call graph for this function:



3.29.2.23 logical function nwtc_num::equalrealnos8 (real(r8ki), intent(in) *ReNum1*, real(r8ki), intent(in) *ReNum2*)

Definition at line 32467 of file tempassembled.f90.

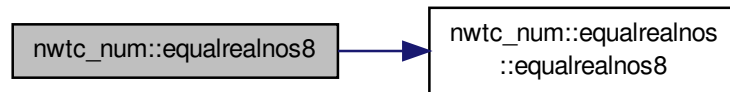
Here is the call graph for this function:



3.29.2.24 logical function nwtc_num::equalrealnos8 (real(r8ki), intent(in) *ReNum1*, real(r8ki), intent(in) *ReNum2*)

Definition at line 18597 of file tempassembled.f90.

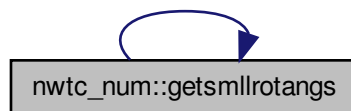
Here is the call graph for this function:



3.29.2.25 real(reki) function, dimension (3) nwtc_num::getsmllrotangs (real(reki), dimension (3,3), intent(in) *DCMat*, integer, intent(out) *ErrStat*)

Definition at line 46411 of file tempassembled.f90.

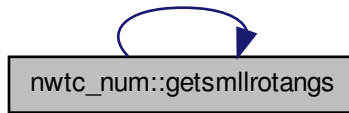
Here is the call graph for this function:



3.29.2.26 real(reki) function, dimension (3) nwtc_num::getsmllrotangs (real(reki), dimension (3,3), intent(in) *DCMat*, integer, intent(out) *ErrStat*)

Definition at line 32541 of file tempassembled.f90.

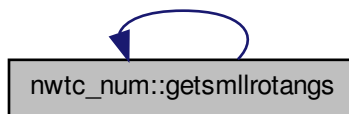
Here is the call graph for this function:



3.29.2.27 `real(reki)` function, dimension (3) `nwtc_num::getsmllrotangs (real(reki), dimension (3,3), intent(in) DCMat, integer, intent(out) ErrStat)`

Definition at line 4801 of file `tempassembled.f90`.

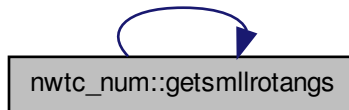
Here is the caller graph for this function:



3.29.2.28 `real(reki)` function, dimension (3) `nwtc_num::getsmllrotangs (real(reki), dimension (3,3), intent(in) DCMat, integer, intent(out) ErrStat)`

Definition at line 18671 of file `tempassembled.f90`.

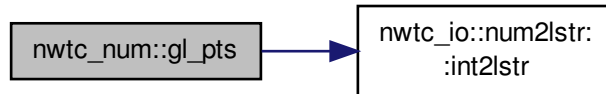
Here is the call graph for this function:



3.29.2.29 subroutine `nwtc_num::gl_pts` (integer, intent(inout) *IPt*, integer, intent(inout) *NPts*, real(reki) *Loc*, real(reki) *Wt*, integer, intent(out), optional *ErrStat*)

Definition at line 4852 of file `tempassembled.f90`.

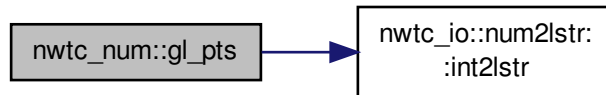
Here is the call graph for this function:



3.29.2.30 subroutine `nwtc_num::gl_pts` (integer, intent(inout) *IPt*, integer, intent(inout) *NPts*, real(reki) *Loc*, real(reki) *Wt*, integer, intent(out), optional *ErrStat*)

Definition at line 46462 of file `tempassembled.f90`.

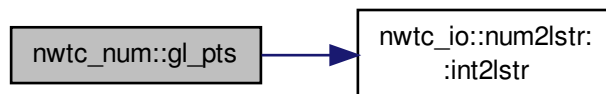
Here is the call graph for this function:



3.29.2.31 subroutine `nwtc_num::gl_pts` (integer, intent(inout) *IPt*, integer, intent(inout) *NPts*, real(reki) *Loc*, real(reki) *Wt*, integer, intent(out), optional *ErrStat*)

Definition at line 32592 of file `tempassembled.f90`.

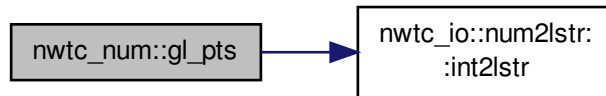
Here is the call graph for this function:



3.29.2.32 subroutine `nwtc_num::gl_pts` (integer, intent(inout) *IPt*, integer, intent(inout) *NPts*, real(reki) *Loc*, real(reki) *Wt*, integer, intent(out), optional *ErrStat*)

Definition at line 18722 of file `tempassembled.f90`.

Here is the call graph for this function:



3.29.2.33 integer function `nwtc_num::indexcharary` (character(*), intent(in) *CVal*, character(*), dimension(:), intent(in) *CAry*)

Definition at line 4978 of file `tempassembled.f90`.

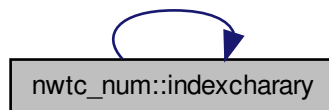
Here is the caller graph for this function:



3.29.2.34 integer function `nwtc_num::indexcharary` (character(*), intent(in) *CVal*, character(*), dimension(:), intent(in) *CAry*)

Definition at line 46588 of file `tempassembled.f90`.

Here is the call graph for this function:



3.29.2.35 integer function nwtc_num::indexcharary (character(*), intent(in) CVal, character(*), dimension(:), intent(in) CAry)

Definition at line 32718 of file tempassembled.f90.

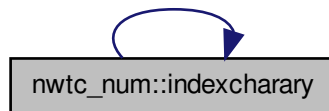
Here is the call graph for this function:



3.29.2.36 integer function nwtc_num::indexcharary (character(*), intent(in) CVal, character(*), dimension(:), intent(in) CAry)

Definition at line 18848 of file tempassembled.f90.

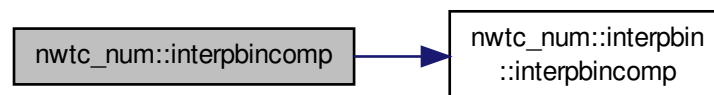
Here is the call graph for this function:



3.29.2.37 complex(reki) function nwtc_num::interpbincomp (real(reki), intent(in) XVal, real(reki), dimension (arylen), intent(in) XAry, complex(reki), dimension (arylen), intent(in) YAry, integer, intent(inout) ILo, integer, intent(in) AryLen)

Definition at line 18916 of file tempassembled.f90.

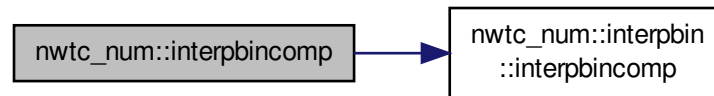
Here is the call graph for this function:



3.29.2.38 `complex(reki) function nwtc_num::interpbincomp (real(reki), intent(in) XVal, real(reki), dimension (arylen), intent(in) XAry, complex(reki), dimension (arylen), intent(in) YAry, integer, intent(inout) ILo, integer, intent(in) AryLen)`

Definition at line 46656 of file tempassembled.f90.

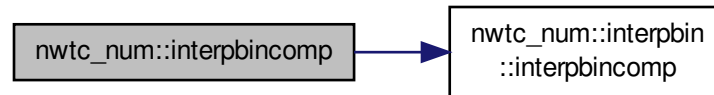
Here is the call graph for this function:



3.29.2.39 `complex(reki) function nwtc_num::interpbincomp (real(reki), intent(in) XVal, real(reki), dimension (arylen), intent(in) XAry, complex(reki), dimension (arylen), intent(in) YAry, integer, intent(inout) ILo, integer, intent(in) AryLen)`

Definition at line 5046 of file tempassembled.f90.

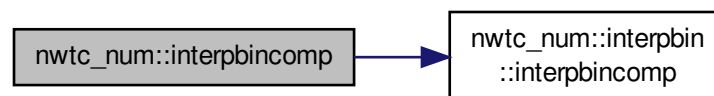
Here is the call graph for this function:



3.29.2.40 `complex(reki) function nwtc_num::interpbincomp (real(reki), intent(in) XVal, real(reki), dimension (arylen), intent(in) XAry, complex(reki), dimension (arylen), intent(in) YAry, integer, intent(inout) ILo, integer, intent(in) AryLen)`

Definition at line 32786 of file tempassembled.f90.

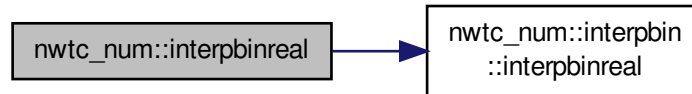
Here is the call graph for this function:



3.29.2.41 `real(reki) function nwtc_num::interpbinreal (real(reki), intent(in) XVal, real(reki), dimension (arylen), intent(in) XAry, real(reki), dimension (arylen), intent(in) YAry, integer, intent(inout) ILo, integer, intent(in) AryLen)`

Definition at line 18985 of file tempassembled.f90.

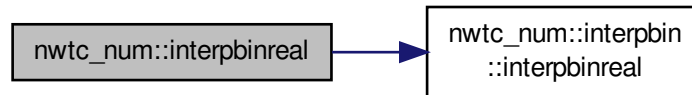
Here is the call graph for this function:



3.29.2.42 `real(reki) function nwtc_num::interpbinreal (real(reki), intent(in) XVal, real(reki), dimension (arylen), intent(in) XAry, real(reki), dimension (arylen), intent(in) YAry, integer, intent(inout) ILo, integer, intent(in) AryLen)`

Definition at line 46725 of file tempassembled.f90.

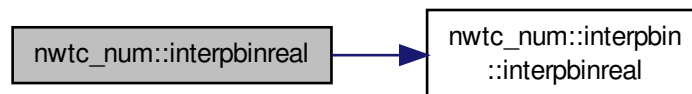
Here is the call graph for this function:



3.29.2.43 `real(reki) function nwtc_num::interpbinreal (real(reki), intent(in) XVal, real(reki), dimension (arylen), intent(in) XAry, real(reki), dimension (arylen), intent(in) YAry, integer, intent(inout) ILo, integer, intent(in) AryLen)`

Definition at line 5115 of file tempassembled.f90.

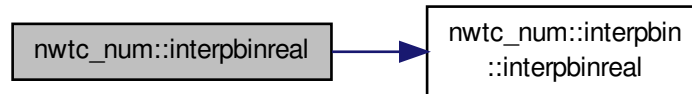
Here is the call graph for this function:



3.29.2.44 `real(reki) function nwtc_num::interpbinreal (real(reki), intent(in) XVal, real(reki), dimension (arylen), intent(in) XAry, real(reki), dimension (arylen), intent(in) YAry, integer, intent(inout) ILo, integer, intent(in) AryLen)`

Definition at line 32855 of file tempassembled.f90.

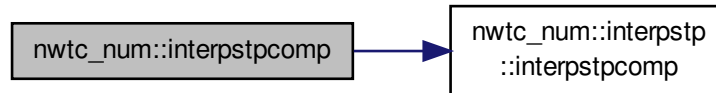
Here is the call graph for this function:



3.29.2.45 `complex(reki) function nwtc_num::interpstpcomp (real(reki), intent(in) XVal, real(reki), dimension (arylen), intent(in) XAry, complex(reki), dimension (arylen), intent(in) YAry, integer, intent(inout) Ind, integer, intent(in) AryLen)`

Definition at line 19053 of file tempassembled.f90.

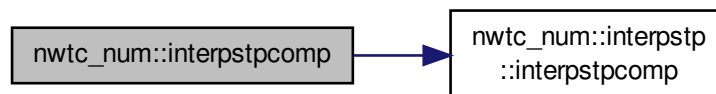
Here is the call graph for this function:



3.29.2.46 `complex(reki) function nwtc_num::interpstpcomp (real(reki), intent(in) XVal, real(reki), dimension (arylen), intent(in) XAry, complex(reki), dimension (arylen), intent(in) YAry, integer, intent(inout) Ind, integer, intent(in) AryLen)`

Definition at line 46793 of file tempassembled.f90.

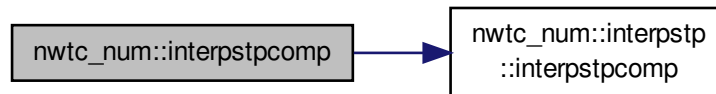
Here is the call graph for this function:



3.29.2.47 `complex(reki) function nwtc_num::interpstpcomp (real(reki), intent(in) XVal, real(reki), dimension (arylen), intent(in) XAry, complex(reki), dimension (arylen), intent(in) YAry, integer, intent(inout) Ind, integer, intent(in) AryLen)`

Definition at line 5183 of file tempassembled.f90.

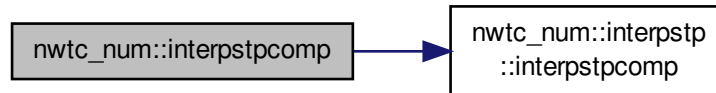
Here is the call graph for this function:



3.29.2.48 `complex(reki) function nwtc_num::interpstpcomp (real(reki), intent(in) XVal, real(reki), dimension (arylen), intent(in) XAry, complex(reki), dimension (arylen), intent(in) YAry, integer, intent(inout) Ind, integer, intent(in) AryLen)`

Definition at line 32923 of file tempassembled.f90.

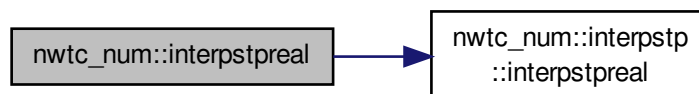
Here is the call graph for this function:



3.29.2.49 `real(reki) function nwtc_num::interpstpreal (real(reki), intent(in) XVal, real(reki), dimension (arylen), intent(in) XAry, real(reki), dimension (arylen), intent(in) YAry, integer, intent(inout) Ind, integer, intent(in) AryLen)`

Definition at line 19123 of file tempassembled.f90.

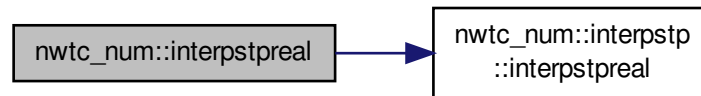
Here is the call graph for this function:



3.29.2.50 `real(reki) function nwtc_num::interpstpreal (real(reki), intent(in) XVal, real(reki), dimension (arylen), intent(in) XAry, real(reki), dimension (arylen), intent(in) YAry, integer, intent(inout) Ind, integer, intent(in) AryLen)`

Definition at line 46863 of file tempassembled.f90.

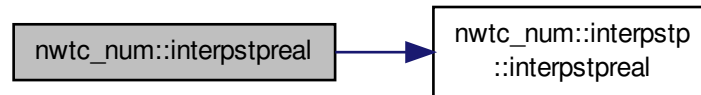
Here is the call graph for this function:



3.29.2.51 `real(reki) function nwtc_num::interpstpreal (real(reki), intent(in) XVal, real(reki), dimension (arylen), intent(in) XAry, real(reki), dimension (arylen), intent(in) YAry, integer, intent(inout) Ind, integer, intent(in) AryLen)`

Definition at line 5253 of file tempassembled.f90.

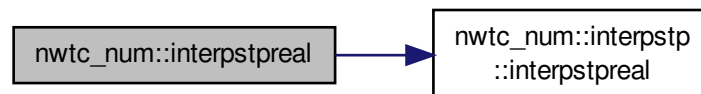
Here is the call graph for this function:



3.29.2.52 `real(reki) function nwtc_num::interpstpreal (real(reki), intent(in) XVal, real(reki), dimension (arylen), intent(in) XAry, real(reki), dimension (arylen), intent(in) YAry, integer, intent(inout) Ind, integer, intent(in) AryLen)`

Definition at line 32993 of file tempassembled.f90.

Here is the call graph for this function:



3.29.2.53 subroutine nwtc_num::locatebin (real(reki), intent(in) *XVal*, real(reki), dimension (arylen), intent(in) *XAry*, integer, intent(out) *Ind*, integer, intent(in) *AryLen*)

Definition at line 19191 of file tempassembled.f90.

3.29.2.54 subroutine nwtc_num::locatebin (real(reki), intent(in) *XVal*, real(reki), dimension (arylen), intent(in) *XAry*, integer, intent(out) *Ind*, integer, intent(in) *AryLen*)

Definition at line 5321 of file tempassembled.f90.

3.29.2.55 subroutine nwtc_num::locatebin (real(reki), intent(in) *XVal*, real(reki), dimension (arylen), intent(in) *XAry*, integer, intent(out) *Ind*, integer, intent(in) *AryLen*)

Definition at line 46931 of file tempassembled.f90.

3.29.2.56 subroutine nwtc_num::locatebin (real(reki), intent(in) *XVal*, real(reki), dimension (arylen), intent(in) *XAry*, integer, intent(out) *Ind*, integer, intent(in) *AryLen*)

Definition at line 33061 of file tempassembled.f90.

3.29.2.57 subroutine nwtc_num::locatestp (real(reki), intent(in) *XVal*, real(reki), dimension (arylen), intent(in) *XAry*, integer, intent(inout) *Ind*, integer, intent(in) *AryLen*)

Definition at line 46988 of file tempassembled.f90.

3.29.2.58 subroutine nwtc_num::locatestp (real(reki), intent(in) *XVal*, real(reki), dimension (arylen), intent(in) *XAry*, integer, intent(inout) *Ind*, integer, intent(in) *AryLen*)

Definition at line 19248 of file tempassembled.f90.

3.29.2.59 subroutine nwtc_num::locatestp (real(reki), intent(in) *XVal*, real(reki), dimension (arylen), intent(in) *XAry*, integer, intent(inout) *Ind*, integer, intent(in) *AryLen*)

Definition at line 33118 of file tempassembled.f90.

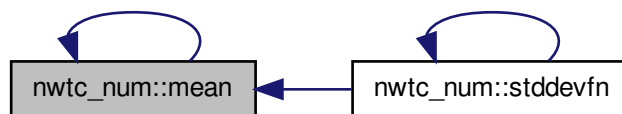
3.29.2.60 subroutine nwtc_num::locatestp (real(reki), intent(in) *XVal*, real(reki), dimension (arylen), intent(in) *XAry*, integer, intent(inout) *Ind*, integer, intent(in) *AryLen*)

Definition at line 5378 of file tempassembled.f90.

3.29.2.61 real(reki) function nwtc_num::mean (real(reki), dimension (arylen), intent(in) *Ary*, integer, intent(in) *AryLen*)

Definition at line 5438 of file tempassembled.f90.

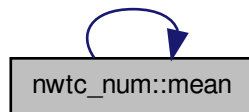
Here is the caller graph for this function:



3.29.2.62 `real(reki) function nwtc_num::mean (real(reki), dimension (arylen), intent(in) Ary, integer, intent(in) AryLen)`

Definition at line 19308 of file tempassembled.f90.

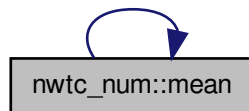
Here is the call graph for this function:



3.29.2.63 `real(reki) function nwtc_num::mean (real(reki), dimension (arylen), intent(in) Ary, integer, intent(in) AryLen)`

Definition at line 33178 of file tempassembled.f90.

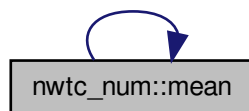
Here is the call graph for this function:



3.29.2.64 `real(reki) function nwtc_num::mean (real(reki), dimension (arylen), intent(in) Ary, integer, intent(in) AryLen)`

Definition at line 47048 of file tempassembled.f90.

Here is the call graph for this function:



3.29.2.65 subroutine nwtc_num::mpi2pi (real(reki), intent(inout) *Angle*)

Definition at line 19344 of file tempassembled.f90.

3.29.2.66 subroutine nwtc_num::mpi2pi (real(reki), intent(inout) *Angle*)

Definition at line 33214 of file tempassembled.f90.

3.29.2.67 subroutine nwtc_num::mpi2pi (real(reki), intent(inout) *Angle*)

Definition at line 5474 of file tempassembled.f90.

3.29.2.68 subroutine nwtc_num::mpi2pi (real(reki), intent(inout) *Angle*)

Definition at line 47084 of file tempassembled.f90.

3.29.2.69 subroutine nwtc_num::rombergint (real(reki), external *f*, real(reki), intent(in) *a*, real(reki), intent(in) *b*, real(reki), intent(out) *R*, real(reki), intent(out) *err*, real(reki), intent(in) *eps*, integer, intent(out), optional *ErrStat*)

Definition at line 5501 of file tempassembled.f90.

3.29.2.70 subroutine nwtc_num::rombergint (real(reki), external *f*, real(reki), intent(in) *a*, real(reki), intent(in) *b*, real(reki), intent(out) *R*, real(reki), intent(out) *err*, real(reki), intent(in) *eps*, integer, intent(out), optional *ErrStat*)

Definition at line 47111 of file tempassembled.f90.

3.29.2.71 subroutine nwtc_num::rombergint (real(reki), external *f*, real(reki), intent(in) *a*, real(reki), intent(in) *b*, real(reki), intent(out) *R*, real(reki), intent(out) *err*, real(reki), intent(in) *eps*, integer, intent(out), optional *ErrStat*)

Definition at line 19371 of file tempassembled.f90.

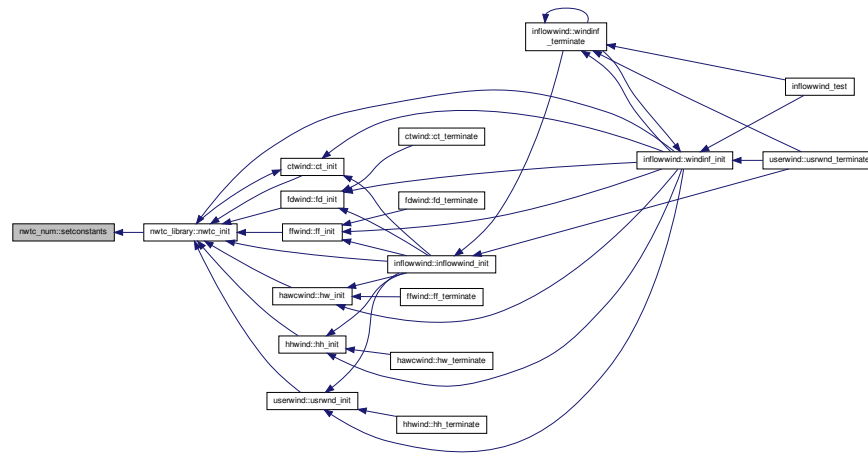
3.29.2.72 subroutine nwtc_num::rombergint (real(reki), external *f*, real(reki), intent(in) *a*, real(reki), intent(in) *b*, real(reki), intent(out) *R*, real(reki), intent(out) *err*, real(reki), intent(in) *eps*, integer, intent(out), optional *ErrStat*)

Definition at line 33241 of file tempassembled.f90.

3.29.2.73 subroutine nwtc_num::setconstants ()

Definition at line 5599 of file tempassembled.f90.

Here is the caller graph for this function:



3.29.2.74 subroutine nwtc_num::setconstants ()

Definition at line 19469 of file tempassembled.f90.

3.29.2.75 subroutine nwtc_num::setconstants ()

Definition at line 47209 of file tempassembled.f90.

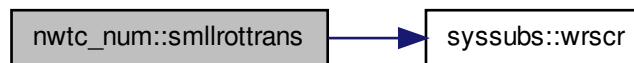
3.29.2.76 subroutine nwtc_num::setconstants ()

Definition at line 33339 of file tempassembled.f90.

3.29.2.77 subroutine nwtc_num::smllrottrans (character(*), intent(in) *RotationType*, real(reki), intent(in) *Theta1*, real(reki), intent(in) *Theta2*, real(reki), intent(in) *Theta3*, real(reki), dimension (3,3), intent(out) *TransMat*, character(*), intent(in), optional *ErrMsg*)

Definition at line 33393 of file tempassembled.f90.

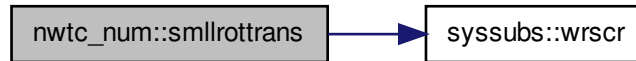
Here is the call graph for this function:



3.29.2.78 subroutine nwtc_num::smlrottrans (character(*), intent(in) *RotationType*, real(reki), intent(in) *Theta1*, real(reki), intent(in) *Theta2*, real(reki), intent(in) *Theta3*, real(reki), dimension (3,3), intent(out) *TransMat*, character(*), intent(in), optional *ErrTxt*)

Definition at line 47263 of file tempassembled.f90.

Here is the call graph for this function:



3.29.2.79 subroutine nwtc_num::smlrottrans (character(*), intent(in) *RotationType*, real(reki), intent(in) *Theta1*, real(reki), intent(in) *Theta2*, real(reki), intent(in) *Theta3*, real(reki), dimension (3,3), intent(out) *TransMat*, character(*), intent(in), optional *ErrTxt*)

Definition at line 5653 of file tempassembled.f90.

Here is the call graph for this function:



3.29.2.80 subroutine nwtc_num::smlrottrans (character(*), intent(in) *RotationType*, real(reki), intent(in) *Theta1*, real(reki), intent(in) *Theta2*, real(reki), intent(in) *Theta3*, real(reki), dimension (3,3), intent(out) *TransMat*, character(*), intent(in), optional *ErrTxt*)

Definition at line 19523 of file tempassembled.f90.

Here is the call graph for this function:



3.29.2.81 subroutine nwtc_num::sortunion (real(reki), dimension(n1), intent(in) *Ary1*, integer, intent(in) *N1*, real(reki), dimension(n2), intent(in) *Ary2*, integer, intent(in) *N2*, real(reki), dimension(n1+n2), intent(out) *Ary*, integer, intent(out) *N*)

Definition at line 33521 of file tempassembled.f90.

3.29.2.82 subroutine nwtc_num::sortunion (real(reki), dimension(n1), intent(in) *Ary1*, integer, intent(in) *N1*, real(reki), dimension(n2), intent(in) *Ary2*, integer, intent(in) *N2*, real(reki), dimension(n1+n2), intent(out) *Ary*, integer, intent(out) *N*)

Definition at line 19651 of file tempassembled.f90.

3.29.2.83 subroutine nwtc_num::sortunion (real(reki), dimension(n1), intent(in) *Ary1*, integer, intent(in) *N1*, real(reki), dimension(n2), intent(in) *Ary2*, integer, intent(in) *N2*, real(reki), dimension(n1+n2), intent(out) *Ary*, integer, intent(out) *N*)

Definition at line 47391 of file tempassembled.f90.

3.29.2.84 subroutine nwtc_num::sortunion (real(reki), dimension(n1), intent(in) *Ary1*, integer, intent(in) *N1*, real(reki), dimension(n2), intent(in) *Ary2*, integer, intent(in) *N2*, real(reki), dimension(n1+n2), intent(out) *Ary*, integer, intent(out) *N*)

Definition at line 5781 of file tempassembled.f90.

3.29.2.85 real(reki) function nwtc_num::stddevfn (real(reki), dimension (arylen), intent(in) *Ary*, integer, intent(in) *AryLen*, real(reki), intent(in) *Mean*)

Definition at line 47459 of file tempassembled.f90.

Here is the call graph for this function:



3.29.2.86 real(reki) function nwtc_num::stddevfn (real(reki), dimension (arylen), intent(in) *Ary*, integer, intent(in) *AryLen*, real(reki), intent(in) *Mean*)

Definition at line 19719 of file tempassembled.f90.

Here is the call graph for this function:



3.29.2.87 `real(reki) function nwtc_num::stddevfn (real(reki), dimension (arylen), intent(in) Ary, integer, intent(in) AryLen, real(reki), intent(in) Mean)`

Definition at line 33589 of file tempassembled.f90.

Here is the call graph for this function:



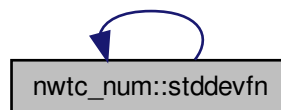
3.29.2.88 `real(reki) function nwtc_num::stddevfn (real(reki), dimension (arylen), intent(in) Ary, integer, intent(in) AryLen, real(reki), intent(in) Mean)`

Definition at line 5849 of file tempassembled.f90.

Here is the call graph for this function:



Here is the caller graph for this function:



3.29.3 Member Data Documentation

3.29.3.1 `real(reki) nwtc_num::d2r`

Definition at line 4480 of file tempassembled.f90.

3.29.3.2 `real(dbki) nwtc_num::d2r_d`

Definition at line 4468 of file tempassembled.f90.

3.29.3.3 `real(reki) nwtc_num::inf`

Definition at line 4481 of file tempassembled.f90.

3.29.3.4 `real(dbki) nwtc_num::inf_d`

Definition at line 4469 of file tempassembled.f90.

3.29.3.5 `integer, dimension (:,:), allocatable nwtc_num::intindx`

Definition at line 4491 of file tempassembled.f90.

3.29.3.6 `real(reki) nwtc_num::nan`

Definition at line 4482 of file tempassembled.f90.

3.29.3.7 `real(dbki) nwtc_num::nan_d`

Definition at line 4470 of file tempassembled.f90.

3.29.3.8 `real(reki) nwtc_num::pi`

Definition at line 4483 of file tempassembled.f90.

3.29.3.9 `real(dbki) nwtc_num::pi_d`

Definition at line 4471 of file tempassembled.f90.

3.29.3.10 `real(reki) nwtc_num::piy2`

Definition at line 4484 of file tempassembled.f90.

3.29.3.11 `real(dbki) nwtc_num::piy2_d`

Definition at line 4472 of file tempassembled.f90.

3.29.3.12 `real(reki) nwtc_num::r2d`

Definition at line 4485 of file tempassembled.f90.

3.29.3.13 `real(dbki) nwtc_num::r2d_d`

Definition at line 4473 of file tempassembled.f90.

3.29.3.14 `real(reki) nwtc_num::rpm2rps`

Definition at line 4486 of file tempassembled.f90.

3.29.3.15 `real(dbki) nwtc_num::rpm2rps_d`

Definition at line 4474 of file tempassembled.f90.

3.29.3.16 `real(reki) nwtc_num::rps2rpm`

Definition at line 4487 of file `tempassembled.f90`.

3.29.3.17 `real(dbki) nwtc_num::rps2rpm_d`

Definition at line 4475 of file `tempassembled.f90`.

3.29.3.18 `real(reki) nwtc_num::twobypi`

Definition at line 4488 of file `tempassembled.f90`.

3.29.3.19 `real(dbki) nwtc_num::twobypi_d`

Definition at line 4476 of file `tempassembled.f90`.

3.29.3.20 `real(reki) nwtc_num::twopi`

Definition at line 4489 of file `tempassembled.f90`.

3.29.3.21 `real(dbki) nwtc_num::twopi_d`

Definition at line 4477 of file `tempassembled.f90`.

The documentation for this module was generated from the following file:

- [tempassembled.f90](#)

3.30 precision Module Reference**Public Attributes**

- integer, parameter `b1ki` = `SELECTED_INT_KIND(2)`
- integer, parameter `b2ki` = `SELECTED_INT_KIND(4)`
- integer, parameter `b4ki` = `SELECTED_INT_KIND(9)`
- integer, parameter `b8ki` = `SELECTED_INT_KIND(18)`
- integer, parameter `quki` = `SELECTED_REAL_KIND(20, 500)`
- integer, parameter `r8ki` = `SELECTED_REAL_KIND(14, 300)`
- integer, parameter `siki` = `SELECTED_REAL_KIND(6, 30)`
- integer, parameter `intki` = `B4Ki`
- integer, parameter `reki` = `SiKi`
- integer, parameter `dbki` = `R8Ki`
- integer(`intki`), parameter `bytesperreki` = 4
- integer(`intki`), parameter `bytesperdbki` = 8
- integer(`intki`), parameter `bytesperintki` = 4

3.30.1 Detailed Description

Definition at line 77 of file `tempassembled.f90`.

3.30.2 Member Data Documentation

3.30.2.1 integer parameter precision::b1ki = SELECTED_INT_KIND(2)

Definition at line 86 of file tempassembled.f90.

3.30.2.2 integer parameter precision::b2ki = SELECTED_INT_KIND(4)

Definition at line 87 of file tempassembled.f90.

3.30.2.3 integer parameter precision::b4ki = SELECTED_INT_KIND(9)

Definition at line 88 of file tempassembled.f90.

3.30.2.4 integer parameter precision::b8ki = SELECTED_INT_KIND(18)

Definition at line 89 of file tempassembled.f90.

3.30.2.5 integer(intki), parameter precision::bytesperdbki = 8

Definition at line 106 of file tempassembled.f90.

3.30.2.6 integer(intki), parameter precision::bytesperintki = 4

Definition at line 107 of file tempassembled.f90.

3.30.2.7 integer(intki), parameter precision::bytesperreki = 4

Definition at line 105 of file tempassembled.f90.

3.30.2.8 integer parameter precision::dbki = R8Ki

Definition at line 100 of file tempassembled.f90.

3.30.2.9 integer parameter precision::intki = B4Ki

Definition at line 98 of file tempassembled.f90.

3.30.2.10 integer parameter precision::quki = SELECTED_REAL_KIND(20, 500)

Definition at line 91 of file tempassembled.f90.

3.30.2.11 integer parameter precision::r8ki = SELECTED_REAL_KIND(14, 300)

Definition at line 92 of file tempassembled.f90.

3.30.2.12 integer parameter precision::reki = SiKi

Definition at line 99 of file tempassembled.f90.

3.30.2.13 integer parameter precision::siki = SELECTED_REAL_KIND(6, 30)

Definition at line 93 of file tempassembled.f90.

The documentation for this module was generated from the following file:

- [tempassembled.f90](#)

3.31 `nwtc_io::progdsc` Type Reference

Public Attributes

- character(24) [name](#)
- character(99) [ver](#)
- character(24) [date](#)

3.31.1 Detailed Description

Definition at line 998 of file `tempassembled.f90`.

3.31.2 Member Data Documentation

3.31.2.1 `character(24) nwtc_io::progdsc::date`

Definition at line 1001 of file `tempassembled.f90`.

3.31.2.2 `character(24) nwtc_io::progdsc::name`

Definition at line 999 of file `tempassembled.f90`.

3.31.2.3 `character(99) nwtc_io::progdsc::ver`

Definition at line 1000 of file `tempassembled.f90`.

The documentation for this type was generated from the following file:

- [tempassembled.f90](#)

3.32 `nwtc_io::readary` Interface Reference

Public Member Functions

- subroutine [readcary](#) (UnIn, Fil, CharAry, AryLen, AryName, AryDescr, ErrStat)
- subroutine [readiary](#) (UnIn, Fil, IntAry, AryLen, AryName, AryDescr, ErrStat)
- subroutine [readlary](#) (UnIn, Fil, LogAry, AryLen, AryName, AryDescr, ErrStat)
- subroutine [readrary](#) (UnIn, Fil, RealAry, AryLen, AryName, AryDescr, ErrStat)
- subroutine [readcary](#) (UnIn, Fil, CharAry, AryLen, AryName, AryDescr, ErrStat)
- subroutine [readiary](#) (UnIn, Fil, IntAry, AryLen, AryName, AryDescr, ErrStat)
- subroutine [readlary](#) (UnIn, Fil, LogAry, AryLen, AryName, AryDescr, ErrStat)
- subroutine [readrary](#) (UnIn, Fil, RealAry, AryLen, AryName, AryDescr, ErrStat)
- subroutine [readcary](#) (UnIn, Fil, CharAry, AryLen, AryName, AryDescr, ErrStat)
- subroutine [readiary](#) (UnIn, Fil, IntAry, AryLen, AryName, AryDescr, ErrStat)
- subroutine [readlary](#) (UnIn, Fil, LogAry, AryLen, AryName, AryDescr, ErrStat)
- subroutine [readrary](#) (UnIn, Fil, RealAry, AryLen, AryName, AryDescr, ErrStat)
- subroutine [readcary](#) (UnIn, Fil, CharAry, AryLen, AryName, AryDescr, ErrStat)
- subroutine [readiary](#) (UnIn, Fil, IntAry, AryLen, AryName, AryDescr, ErrStat)
- subroutine [readlary](#) (UnIn, Fil, LogAry, AryLen, AryName, AryDescr, ErrStat)
- subroutine [readrary](#) (UnIn, Fil, RealAry, AryLen, AryName, AryDescr, ErrStat)

3.32.1 Detailed Description

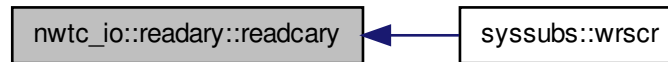
Definition at line 1077 of file tempassembled.f90.

3.32.2 Member Function/Subroutine Documentation

3.32.2.1 subroutine nwtc_io::readary (integer, intent(in) *UnIn*, character(*), intent(in) *Fil*, character(*), dimension(arylen), intent(out) *CharAry*, integer, intent(in) *AryLen*, character(*), intent(in) *AryName*, character(*), intent(in) *AryDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 2999 of file tempassembled.f90.

Here is the caller graph for this function:



3.32.2.2 subroutine nwtc_io::readary::readcary (integer, intent(in) *UnIn*, character(*), intent(in) *Fil*, character(*), dimension(arylen), intent(out) *CharAry*, integer, intent(in) *AryLen*, character(*), intent(in) *AryName*, character(*), intent(in) *AryDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 16869 of file tempassembled.f90.

3.32.2.3 subroutine nwtc_io::readary::readcary (integer, intent(in) *UnIn*, character(*), intent(in) *Fil*, character(*), dimension(arylen), intent(out) *CharAry*, integer, intent(in) *AryLen*, character(*), intent(in) *AryName*, character(*), intent(in) *AryDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 30739 of file tempassembled.f90.

3.32.2.4 subroutine nwtc_io::readary::readcary (integer, intent(in) *UnIn*, character(*), intent(in) *Fil*, character(*), dimension(arylen), intent(out) *CharAry*, integer, intent(in) *AryLen*, character(*), intent(in) *AryName*, character(*), intent(in) *AryDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 44609 of file tempassembled.f90.

3.32.2.5 subroutine nwtc_io::readary::readiary (integer, intent(in) *UnIn*, character(*), intent(in) *Fil*, integer, dimension(arylen), intent(out) *IntAry*, integer, intent(in) *AryLen*, character(*), intent(in) *AryName*, character(*), intent(in) *AryDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 3504 of file tempassembled.f90.

Here is the caller graph for this function:



3.32.2.6 subroutine `nwtc_io::readary::readary` (integer, intent(in) *UnIn*, character(*), intent(in) *Fil*, integer, dimension(arylen), intent(out) *IntAry*, integer, intent(in) *AryLen*, character(*), intent(in) *AryName*, character(*), intent(in) *AryDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 31244 of file `tempassembled.f90`.

3.32.2.7 subroutine `nwtc_io::readary::readary` (integer, intent(in) *UnIn*, character(*), intent(in) *Fil*, integer, dimension(arylen), intent(out) *IntAry*, integer, intent(in) *AryLen*, character(*), intent(in) *AryName*, character(*), intent(in) *AryDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 17374 of file `tempassembled.f90`.

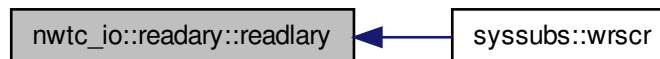
3.32.2.8 subroutine `nwtc_io::readary::readary` (integer, intent(in) *UnIn*, character(*), intent(in) *Fil*, integer, dimension(arylen), intent(out) *IntAry*, integer, intent(in) *AryLen*, character(*), intent(in) *AryName*, character(*), intent(in) *AryDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 45114 of file `tempassembled.f90`.

3.32.2.9 subroutine `nwtc_io::readary::readlary` (integer, intent(in) *UnIn*, character(*), intent(in) *Fil*, logical, dimension(arylen), intent(out) *LogAry*, integer, intent(in) *AryLen*, character(*), intent(in) *AryName*, character(*), intent(in) *AryDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 3600 of file `tempassembled.f90`.

Here is the caller graph for this function:



3.32.2.10 subroutine `nwtc_io::readary::readlary` (integer, intent(in) *UnIn*, character(*), intent(in) *Fil*, logical, dimension(arylen), intent(out) *LogAry*, integer, intent(in) *AryLen*, character(*), intent(in) *AryName*, character(*), intent(in) *AryDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 45210 of file `tempassembled.f90`.

3.32.2.11 subroutine nwtc_io::readary (integer, intent(in) *UnIn*, character(*), intent(in) *Fil*, logical, dimension(arylen), intent(out) *LogAry*, integer, intent(in) *AryLen*, character(*), intent(in) *AryName*, character(*), intent(in) *AryDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 31340 of file tempassembled.f90.

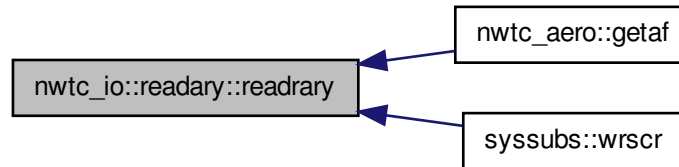
3.32.2.12 subroutine nwtc_io::readary (integer, intent(in) *UnIn*, character(*), intent(in) *Fil*, logical, dimension(arylen), intent(out) *LogAry*, integer, intent(in) *AryLen*, character(*), intent(in) *AryName*, character(*), intent(in) *AryDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 17470 of file tempassembled.f90.

3.32.2.13 subroutine nwtc_io::readary (integer, intent(in) *UnIn*, character(*), intent(in) *Fil*, real(reki), dimension(arylen), intent(inout) *RealAry*, integer, intent(in) *AryLen*, character(*), intent(in) *AryName*, character(*), intent(in) *AryDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 3830 of file tempassembled.f90.

Here is the caller graph for this function:



3.32.2.14 subroutine nwtc_io::readary (integer, intent(in) *UnIn*, character(*), intent(in) *Fil*, real(reki), dimension(arylen), intent(inout) *RealAry*, integer, intent(in) *AryLen*, character(*), intent(in) *AryName*, character(*), intent(in) *AryDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 45440 of file tempassembled.f90.

3.32.2.15 subroutine nwtc_io::readary (integer, intent(in) *UnIn*, character(*), intent(in) *Fil*, real(reki), dimension(arylen), intent(inout) *RealAry*, integer, intent(in) *AryLen*, character(*), intent(in) *AryName*, character(*), intent(in) *AryDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 31570 of file tempassembled.f90.

3.32.2.16 subroutine nwtc_io::readary (integer, intent(in) *UnIn*, character(*), intent(in) *Fil*, real(reki), dimension(arylen), intent(inout) *RealAry*, integer, intent(in) *AryLen*, character(*), intent(in) *AryName*, character(*), intent(in) *AryDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 17700 of file tempassembled.f90.

The documentation for this interface was generated from the following file:

- [tempassembled.f90](#)

3.33 nwtc_io::readarylines Interface Reference

Public Member Functions

- subroutine [readcarylines](#) (UnIn, Fil, CharAry, AryLen, AryName, AryDescr, ErrStat)
- subroutine [readarylines4](#) (UnIn, Fil, RealAry, AryLen, AryName, AryDescr, ErrStat)
- subroutine [readarylines8](#) (UnIn, Fil, RealAry, AryLen, AryName, AryDescr, ErrStat)
- subroutine [readarylines16](#) (UnIn, Fil, RealAry, AryLen, AryName, AryDescr, ErrStat)
- subroutine [readcarylines](#) (UnIn, Fil, CharAry, AryLen, AryName, AryDescr, ErrStat)
- subroutine [readarylines4](#) (UnIn, Fil, RealAry, AryLen, AryName, AryDescr, ErrStat)
- subroutine [readarylines8](#) (UnIn, Fil, RealAry, AryLen, AryName, AryDescr, ErrStat)
- subroutine [readarylines16](#) (UnIn, Fil, RealAry, AryLen, AryName, AryDescr, ErrStat)
- subroutine [readcarylines](#) (UnIn, Fil, CharAry, AryLen, AryName, AryDescr, ErrStat)
- subroutine [readarylines4](#) (UnIn, Fil, RealAry, AryLen, AryName, AryDescr, ErrStat)
- subroutine [readarylines8](#) (UnIn, Fil, RealAry, AryLen, AryName, AryDescr, ErrStat)
- subroutine [readarylines16](#) (UnIn, Fil, RealAry, AryLen, AryName, AryDescr, ErrStat)
- subroutine [readcarylines](#) (UnIn, Fil, CharAry, AryLen, AryName, AryDescr, ErrStat)
- subroutine [readarylines4](#) (UnIn, Fil, RealAry, AryLen, AryName, AryDescr, ErrStat)
- subroutine [readarylines8](#) (UnIn, Fil, RealAry, AryLen, AryName, AryDescr, ErrStat)
- subroutine [readarylines16](#) (UnIn, Fil, RealAry, AryLen, AryName, AryDescr, ErrStat)

3.33.1 Detailed Description

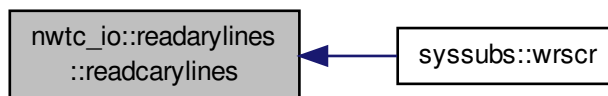
Definition at line 1085 of file tempassembled.f90.

3.33.2 Member Function/Subroutine Documentation

- 3.33.2.1 subroutine `nwtc_io::readarylines::readcarylines` (integer, intent(in) *UnIn*, character(*), intent(in) *Fil*, character(*), dimension(arylen), intent(out) *CharAry*, integer, intent(in) *AryLen*, character(*), intent(in) *AryName*, character(*), intent(in) *AryDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 3043 of file tempassembled.f90.

Here is the caller graph for this function:



- 3.33.2.2 subroutine `nwtc_io::readarylines::readcarylines` (integer, intent(in) *UnIn*, character(*), intent(in) *Fil*, character(*), dimension(arylen), intent(out) *CharAry*, integer, intent(in) *AryLen*, character(*), intent(in) *AryName*, character(*), intent(in) *AryDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 16913 of file tempassembled.f90.

3.33.2.3 subroutine nwtc_io::readarylines::readcarylines (integer, intent(in) *UnIn*, character(*), intent(in) *Fil*, character(*), dimension(arylen), intent(out) *CharAry*, integer, intent(in) *AryLen*, character(*), intent(in) *AryName*, character(*), intent(in) *AryDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 30783 of file tempassembled.f90.

3.33.2.4 subroutine nwtc_io::readarylines::readcarylines (integer, intent(in) *UnIn*, character(*), intent(in) *Fil*, character(*), dimension(arylen), intent(out) *CharAry*, integer, intent(in) *AryLen*, character(*), intent(in) *AryName*, character(*), intent(in) *AryDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 44653 of file tempassembled.f90.

3.33.2.5 subroutine nwtc_io::readarylines::readrarraylines16 (integer, intent(in) *UnIn*, character(*), intent(in) *Fil*, real(quki), dimension(arylen), intent(out) *RealAry*, integer, intent(in) *AryLen*, character(*), intent(in) *AryName*, character(*), intent(in) *AryDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 45628 of file tempassembled.f90.

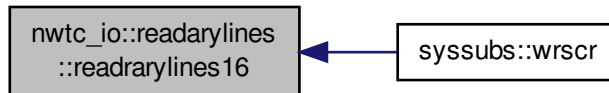
3.33.2.6 subroutine nwtc_io::readarylines::readrarraylines16 (integer, intent(in) *UnIn*, character(*), intent(in) *Fil*, real(quki), dimension(arylen), intent(out) *RealAry*, integer, intent(in) *AryLen*, character(*), intent(in) *AryName*, character(*), intent(in) *AryDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 17888 of file tempassembled.f90.

3.33.2.7 subroutine nwtc_io::readarylines::readrarraylines16 (integer, intent(in) *UnIn*, character(*), intent(in) *Fil*, real(quki), dimension(arylen), intent(out) *RealAry*, integer, intent(in) *AryLen*, character(*), intent(in) *AryName*, character(*), intent(in) *AryDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 4018 of file tempassembled.f90.

Here is the caller graph for this function:



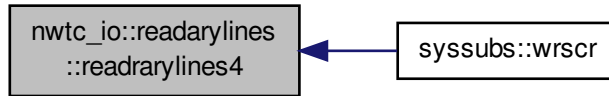
3.33.2.8 subroutine nwtc_io::readarylines::readrarraylines16 (integer, intent(in) *UnIn*, character(*), intent(in) *Fil*, real(quki), dimension(arylen), intent(out) *RealAry*, integer, intent(in) *AryLen*, character(*), intent(in) *AryName*, character(*), intent(in) *AryDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 31758 of file tempassembled.f90.

3.33.2.9 subroutine nwtc_io::readarylines::readrarraylines4 (integer, intent(in) *UnIn*, character(*), intent(in) *Fil*, real(siki), dimension(arylen), intent(out) *RealAry*, integer, intent(in) *AryLen*, character(*), intent(in) *AryName*, character(*), intent(in) *AryDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 3924 of file tempassembled.f90.

Here is the caller graph for this function:



3.33.2.10 subroutine nwtc_io::readarylines::readarylines4 (integer, intent(in) *UnIn*, character(*), intent(in) *Fil*, real(siki), dimension(arylen), intent(out) *RealAry*, integer, intent(in) *AryLen*, character(*), intent(in) *AryName*, character(*), intent(in) *AryDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 31664 of file tempassembled.f90.

3.33.2.11 subroutine nwtc_io::readarylines::readarylines4 (integer, intent(in) *UnIn*, character(*), intent(in) *Fil*, real(siki), dimension(arylen), intent(out) *RealAry*, integer, intent(in) *AryLen*, character(*), intent(in) *AryName*, character(*), intent(in) *AryDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 45534 of file tempassembled.f90.

3.33.2.12 subroutine nwtc_io::readarylines::readarylines4 (integer, intent(in) *UnIn*, character(*), intent(in) *Fil*, real(siki), dimension(arylen), intent(out) *RealAry*, integer, intent(in) *AryLen*, character(*), intent(in) *AryName*, character(*), intent(in) *AryDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 17794 of file tempassembled.f90.

3.33.2.13 subroutine nwtc_io::readarylines::readarylines8 (integer, intent(in) *UnIn*, character(*), intent(in) *Fil*, real(r8ki), dimension(arylen), intent(out) *RealAry*, integer, intent(in) *AryLen*, character(*), intent(in) *AryName*, character(*), intent(in) *AryDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 45581 of file tempassembled.f90.

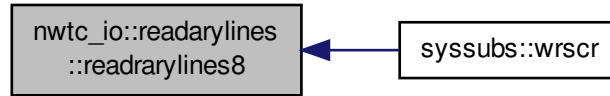
3.33.2.14 subroutine nwtc_io::readarylines::readarylines8 (integer, intent(in) *UnIn*, character(*), intent(in) *Fil*, real(r8ki), dimension(arylen), intent(out) *RealAry*, integer, intent(in) *AryLen*, character(*), intent(in) *AryName*, character(*), intent(in) *AryDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 31711 of file tempassembled.f90.

3.33.2.15 subroutine nwtc_io::readarylines::readarylines8 (integer, intent(in) *UnIn*, character(*), intent(in) *Fil*, real(r8ki), dimension(arylen), intent(out) *RealAry*, integer, intent(in) *AryLen*, character(*), intent(in) *AryName*, character(*), intent(in) *AryDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 3971 of file tempassembled.f90.

Here is the caller graph for this function:



3.33.2.16 subroutine `nwtc_io::readarylines::readarylines8` (integer, intent(in) *UnIn*, character(*), intent(in) *Fil*, real(r8ki), dimension(arylen), intent(out) *RealAry*, integer, intent(in) *AryLen*, character(*), intent(in) *AryName*, character(*), intent(in) *AryDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 17841 of file `tempassembled.f90`.

The documentation for this interface was generated from the following file:

- [tempassembled.f90](#)

3.34 nwtc_io::readvar Interface Reference

Public Member Functions

- subroutine [readcvar](#) (UnIn, Fil, CharVar, VarName, VarDescr, ErrStat)
- subroutine [readivar](#) (UnIn, Fil, IntVar, VarName, VarDescr, ErrStat)
- subroutine [readlvar](#) (UnIn, Fil, LogVar, VarName, VarDescr, ErrStat)
- subroutine [readr4var](#) (UnIn, Fil, RealVar, VarName, VarDescr, ErrStat)
- subroutine [readr8var](#) (UnIn, Fil, RealVar, VarName, VarDescr, ErrStat)
- subroutine [readr16var](#) (UnIn, Fil, RealVar, VarName, VarDescr, ErrStat)
- subroutine [readcvar](#) (UnIn, Fil, CharVar, VarName, VarDescr, ErrStat)
- subroutine [readivar](#) (UnIn, Fil, IntVar, VarName, VarDescr, ErrStat)
- subroutine [readlvar](#) (UnIn, Fil, LogVar, VarName, VarDescr, ErrStat)
- subroutine [readr4var](#) (UnIn, Fil, RealVar, VarName, VarDescr, ErrStat)
- subroutine [readr8var](#) (UnIn, Fil, RealVar, VarName, VarDescr, ErrStat)
- subroutine [readr16var](#) (UnIn, Fil, RealVar, VarName, VarDescr, ErrStat)
- subroutine [readcvar](#) (UnIn, Fil, CharVar, VarName, VarDescr, ErrStat)
- subroutine [readivar](#) (UnIn, Fil, IntVar, VarName, VarDescr, ErrStat)
- subroutine [readlvar](#) (UnIn, Fil, LogVar, VarName, VarDescr, ErrStat)
- subroutine [readr4var](#) (UnIn, Fil, RealVar, VarName, VarDescr, ErrStat)
- subroutine [readr8var](#) (UnIn, Fil, RealVar, VarName, VarDescr, ErrStat)
- subroutine [readr16var](#) (UnIn, Fil, RealVar, VarName, VarDescr, ErrStat)
- subroutine [readcvar](#) (UnIn, Fil, CharVar, VarName, VarDescr, ErrStat)
- subroutine [readivar](#) (UnIn, Fil, IntVar, VarName, VarDescr, ErrStat)
- subroutine [readlvar](#) (UnIn, Fil, LogVar, VarName, VarDescr, ErrStat)
- subroutine [readr4var](#) (UnIn, Fil, RealVar, VarName, VarDescr, ErrStat)
- subroutine [readr8var](#) (UnIn, Fil, RealVar, VarName, VarDescr, ErrStat)
- subroutine [readr16var](#) (UnIn, Fil, RealVar, VarName, VarDescr, ErrStat)

3.34.1 Detailed Description

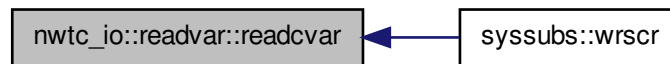
Definition at line 1065 of file tempassembled.f90.

3.34.2 Member Function/Subroutine Documentation

3.34.2.1 subroutine nwtc_io::readvar::readcvar (integer, intent(in) *UnIn*, character(*), intent(in) *Fil*, character(*), intent(out) *CharVar*, character(*), intent(in) *VarName*, character(*), intent(in) *VarDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 3129 of file tempassembled.f90.

Here is the caller graph for this function:



3.34.2.2 subroutine nwtc_io::readvar::readcvar (integer, intent(in) *UnIn*, character(*), intent(in) *Fil*, character(*), intent(out) *CharVar*, character(*), intent(in) *VarName*, character(*), intent(in) *VarDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 44739 of file tempassembled.f90.

3.34.2.3 subroutine nwtc_io::readvar::readcvar (integer, intent(in) *UnIn*, character(*), intent(in) *Fil*, character(*), intent(out) *CharVar*, character(*), intent(in) *VarName*, character(*), intent(in) *VarDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 16999 of file tempassembled.f90.

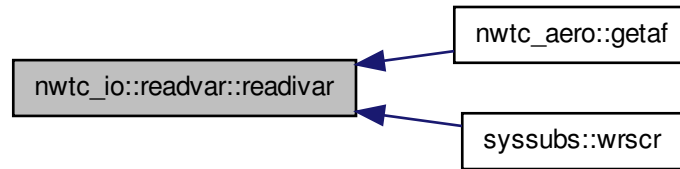
3.34.2.4 subroutine nwtc_io::readvar::readcvar (integer, intent(in) *UnIn*, character(*), intent(in) *Fil*, character(*), intent(out) *CharVar*, character(*), intent(in) *VarName*, character(*), intent(in) *VarDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 30869 of file tempassembled.f90.

3.34.2.5 subroutine nwtc_io::readvar::readivar (integer, intent(in) *UnIn*, character(*), intent(in) *Fil*, integer, intent(out) *IntVar*, character(*), intent(in) *VarName*, character(*), intent(in) *VarDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 3550 of file tempassembled.f90.

Here is the caller graph for this function:



3.34.2.6 subroutine `nwtc_io::readvar::readivar` (integer, intent(in) *UnIn*, character(*), intent(in) *Fil*, integer, intent(out) *IntVar*, character(*), intent(in) *VarName*, character(*), intent(in) *VarDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 17420 of file `tempassembled.f90`.

3.34.2.7 subroutine `nwtc_io::readvar::readivar` (integer, intent(in) *UnIn*, character(*), intent(in) *Fil*, integer, intent(out) *IntVar*, character(*), intent(in) *VarName*, character(*), intent(in) *VarDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 45160 of file `tempassembled.f90`.

3.34.2.8 subroutine `nwtc_io::readvar::readivar` (integer, intent(in) *UnIn*, character(*), intent(in) *Fil*, integer, intent(out) *IntVar*, character(*), intent(in) *VarName*, character(*), intent(in) *VarDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 31290 of file `tempassembled.f90`.

3.34.2.9 subroutine `nwtc_io::readvar::readlvar` (integer, intent(in) *UnIn*, character(*), intent(in) *Fil*, logical, intent(out) *LogVar*, character(*), intent(in) *VarName*, character(*), intent(in) *VarDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 17517 of file `tempassembled.f90`.

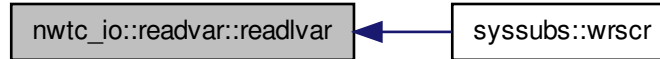
3.34.2.10 subroutine `nwtc_io::readvar::readlvar` (integer, intent(in) *UnIn*, character(*), intent(in) *Fil*, logical, intent(out) *LogVar*, character(*), intent(in) *VarName*, character(*), intent(in) *VarDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 45257 of file `tempassembled.f90`.

3.34.2.11 subroutine `nwtc_io::readvar::readlvar` (integer, intent(in) *UnIn*, character(*), intent(in) *Fil*, logical, intent(out) *LogVar*, character(*), intent(in) *VarName*, character(*), intent(in) *VarDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 3647 of file `tempassembled.f90`.

Here is the caller graph for this function:



3.34.2.12 subroutine `nwtc_io::readvar::readlvar` (integer, intent(in) *Unln*, character(*), intent(in) *Fil*, logical, intent(out) *LogVar*, character(*), intent(in) *VarName*, character(*), intent(in) *VarDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 31387 of file `tempassembled.f90`.

3.34.2.13 subroutine `nwtc_io::readvar::readr16var` (integer, intent(in) *Unln*, character(*) , intent(in) *Fil*, real(quki), intent(out) *RealVar*, character(*) , intent(in) *VarName*, character(*) , intent(in) *VarDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 45829 of file `tempassembled.f90`.

3.34.2.14 subroutine `nwtc_io::readvar::readr16var` (integer, intent(in) *Unln*, character(*) , intent(in) *Fil*, real(quki), intent(out) *RealVar*, character(*) , intent(in) *VarName*, character(*) , intent(in) *VarDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 31959 of file `tempassembled.f90`.

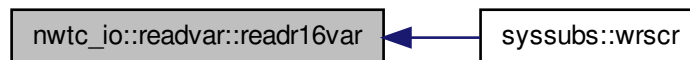
3.34.2.15 subroutine `nwtc_io::readvar::readr16var` (integer, intent(in) *Unln*, character(*) , intent(in) *Fil*, real(quki), intent(out) *RealVar*, character(*) , intent(in) *VarName*, character(*) , intent(in) *VarDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 18089 of file `tempassembled.f90`.

3.34.2.16 subroutine `nwtc_io::readvar::readr16var` (integer, intent(in) *Unln*, character(*) , intent(in) *Fil*, real(quki), intent(out) *RealVar*, character(*) , intent(in) *VarName*, character(*) , intent(in) *VarDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 4219 of file `tempassembled.f90`.

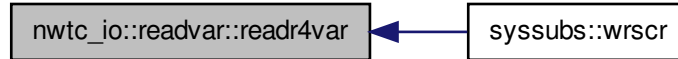
Here is the caller graph for this function:



3.34.2.17 subroutine `nwtc_io::readvar::readr4var` (integer, intent(in) *Unln*, character(*) , intent(in) *Fil*, real(siki), intent(out) *RealVar*, character(*) , intent(in) *VarName*, character(*) , intent(in) *VarDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 4117 of file `tempassembled.f90`.

Here is the caller graph for this function:



3.34.2.18 subroutine nwtc_io::readvar::readr4var (integer, intent(in) *UnIn*, character(*) , intent(in) *Fil*, real(siki), intent(out) *RealVar*, character(*) , intent(in) *VarName*, character(*) , intent(in) *VarDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 31857 of file tempassembled.f90.

3.34.2.19 subroutine nwtc_io::readvar::readr4var (integer, intent(in) *UnIn*, character(*) , intent(in) *Fil*, real(siki), intent(out) *RealVar*, character(*) , intent(in) *VarName*, character(*) , intent(in) *VarDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 45727 of file tempassembled.f90.

3.34.2.20 subroutine nwtc_io::readvar::readr4var (integer, intent(in) *UnIn*, character(*) , intent(in) *Fil*, real(siki), intent(out) *RealVar*, character(*) , intent(in) *VarName*, character(*) , intent(in) *VarDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 17987 of file tempassembled.f90.

3.34.2.21 subroutine nwtc_io::readvar::readr8var (integer, intent(in) *UnIn*, character(*) , intent(in) *Fil*, real(r8ki), intent(out) *RealVar*, character(*) , intent(in) *VarName*, character(*) , intent(in) *VarDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 18038 of file tempassembled.f90.

3.34.2.22 subroutine nwtc_io::readvar::readr8var (integer, intent(in) *UnIn*, character(*) , intent(in) *Fil*, real(r8ki), intent(out) *RealVar*, character(*) , intent(in) *VarName*, character(*) , intent(in) *VarDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 45778 of file tempassembled.f90.

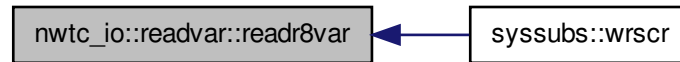
3.34.2.23 subroutine nwtc_io::readvar::readr8var (integer, intent(in) *UnIn*, character(*) , intent(in) *Fil*, real(r8ki), intent(out) *RealVar*, character(*) , intent(in) *VarName*, character(*) , intent(in) *VarDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 31908 of file tempassembled.f90.

3.34.2.24 subroutine nwtc_io::readvar::readr8var (integer, intent(in) *UnIn*, character(*) , intent(in) *Fil*, real(r8ki), intent(out) *RealVar*, character(*) , intent(in) *VarName*, character(*) , intent(in) *VarDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 4168 of file tempassembled.f90.

Here is the caller graph for this function:



The documentation for this interface was generated from the following file:

- [tempassembled.f90](#)

3.35 sharedinflowdefns Module Reference

Data Types

- type [inflintrpout](#)

Public Attributes

- integer, parameter, public [default_wind](#) = -1
- integer, parameter, public [undef_wind](#) = 0
- integer, parameter, public [hh_wind](#) = 1
- integer, parameter, public [ff_wind](#) = 2
- integer, parameter, public [ud_wind](#) = 3
- integer, parameter, public [fd_wind](#) = 4
- integer, parameter, public [ctp_wind](#) = 5
- integer, parameter, public [hawc_wind](#) = 6

3.35.1 Detailed Description

Definition at line 7179 of file tempassembled.f90.

3.35.2 Member Data Documentation

3.35.2.1 integer parameter public sharedinflowdefns::ctp_wind = 5

Definition at line 7210 of file tempassembled.f90.

3.35.2.2 integer parameter public sharedinflowdefns::default_wind = -1

Definition at line 7204 of file tempassembled.f90.

3.35.2.3 integer parameter public sharedinflowdefns::fd_wind = 4

Definition at line 7209 of file tempassembled.f90.

3.35.2.4 integer parameter public sharedinflowdefns::ff_wind = 2

Definition at line 7207 of file tempassembled.f90.

3.35.2.5 integer parameter public sharedinflowdefns::hwc_wind = 6

Definition at line 7211 of file tempassembled.f90.

3.35.2.6 integer parameter public sharedinflowdefns::hh_wind = 1

Definition at line 7206 of file tempassembled.f90.

3.35.2.7 integer parameter public sharedinflowdefns::ud_wind = 3

Definition at line 7208 of file tempassembled.f90.

3.35.2.8 integer parameter public sharedinflowdefns::undef_wind = 0

Definition at line 7205 of file tempassembled.f90.

The documentation for this module was generated from the following file:

- [tempassembled.f90](#)

3.36 syssubs Module Reference

Public Member Functions

- subroutine [flushout](#) (Unit)
- subroutine [get_arg](#) (Arg_Num, Arg, Error)
- subroutine [get_arg_num](#) (Arg_Num)
- subroutine [get_command](#) (Command, Length, Status)
- subroutine [get_command_argument](#) (Number, Value, Length, Status)
- subroutine [get_cwd](#) (DirName, Status)
- character(500) function [get_env](#) (EnvVar)
- character(maxlen) function [get_environment_variable](#) (Name, Value, Length, Status, Trim_Name)
- logical function [is_nan](#) (DbNum)
- subroutine [openbinfile](#) (Un, OutFile, RecLen, Error)
- subroutine [openbininfile](#) (Un, InFile, Error)
- subroutine [opencon](#)
- subroutine [openunfinpbefile](#) (Un, InFile, RecLen, Error)
- subroutine [progexit](#) (StatCode)
- subroutine [usralarm](#)
- subroutine [wrnr](#) (Str)
- subroutine [wrover](#) (Str)
- subroutine, dimension() [wrscr](#) (Str)
- subroutine [flushout](#) (Unit)
- subroutine [get_arg](#) (Arg_Num, Arg, Error)
- subroutine [get_arg_num](#) (Arg_Num)
- subroutine [get_command](#) (Command, Length, Status)
- subroutine [get_command_argument](#) (Number, Value, Length, Status)
- subroutine [get_cwd](#) (DirName, Status)
- character(500) function [get_env](#) (EnvVar)

- character(maxlen) function [get_environment_variable](#) (Name, Value, Length, Status, Trim_Name)
- logical function [is_nan](#) (DblNum)
- subroutine [openbinfile](#) (Un, OutFile, RecLen, Error)
- subroutine [openbininfile](#) (Un, InFile, Error)
- subroutine [opencon](#)
- subroutine [openunfinpbefile](#) (Un, InFile, RecLen, Error)
- subroutine [progexit](#) (StatCode)
- subroutine [usralarm](#)
- subroutine [wrnr](#) (Str)
- subroutine [wrover](#) (Str)
- subroutine, dimension() [wrscr](#) (Str)
- subroutine [flushout](#) (Unit)
- subroutine [get_arg](#) (Arg_Num, Arg, Error)
- subroutine [get_arg_num](#) (Arg_Num)
- subroutine [get_command](#) (Command, Length, Status)
- subroutine [get_command_argument](#) (Number, Value, Length, Status)
- subroutine [get_cwd](#) (DirName, Status)
- character(500) function [get_env](#) (EnvVar)
- character(maxlen) function [get_environment_variable](#) (Name, Value, Length, Status, Trim_Name)
- logical function [is_nan](#) (DblNum)
- subroutine [openbinfile](#) (Un, OutFile, RecLen, Error)
- subroutine [openbininfile](#) (Un, InFile, Error)
- subroutine [opencon](#)
- subroutine [openunfinpbefile](#) (Un, InFile, RecLen, Error)
- subroutine [progexit](#) (StatCode)
- subroutine [usralarm](#)
- subroutine [wrnr](#) (Str)
- subroutine [wrover](#) (Str)
- subroutine, dimension() [wrscr](#) (Str)
- subroutine [flushout](#) (Unit)
- subroutine [get_arg](#) (Arg_Num, Arg, Error)
- subroutine [get_arg_num](#) (Arg_Num)
- subroutine [get_command](#) (Command, Length, Status)
- subroutine [get_command_argument](#) (Number, Value, Length, Status)
- subroutine [get_cwd](#) (DirName, Status)
- character(500) function [get_env](#) (EnvVar)
- character(maxlen) function [get_environment_variable](#) (Name, Value, Length, Status, Trim_Name)
- logical function [is_nan](#) (DblNum)
- subroutine [openbinfile](#) (Un, OutFile, RecLen, Error)
- subroutine [openbininfile](#) (Un, InFile, Error)
- subroutine [opencon](#)
- subroutine [openunfinpbefile](#) (Un, InFile, RecLen, Error)
- subroutine [progexit](#) (StatCode)
- subroutine [usralarm](#)
- subroutine [wrnr](#) (Str)
- subroutine [wrover](#) (Str)
- subroutine, dimension() [wrscr](#) (Str)

Public Attributes

- integer `conrecl` = 120
- integer `cu` = 6
- integer `nl_len` = 2
- character(10) `endian` = 'BIG_ENDIAN'
- character(1) `pathsep` = '\' ! The path separator. CHARACTER(1) :: SwChar = '/' ! The switch character for command-line options. 20110512 jm changed from 'BINARY' to 'UNFORMATTED' because 'BINARY' is not standard and caused problems in OPEN statements in NWTC_iO.f90 that use this definition CHARACTER(11) :: UnfForm = 'UNFORMATTED' ! The string to specify unformatted I/O files. CONTAINS!
===== F-
FUNCTION COMMAND_ARGUMENT_COUNT() ! This routine returns the number of arguments entered on the command line. ! Note: This routine will be available intrinsically in Fortran 2000. ! Function declaration. INTEGER :: COMMAND_ARGUMENT_COUNT ! This function. The command line. ! Determine the number of arguments. Load the program name into the result. COMMAND_ARGUMENT_COUNT = IArgC() RETURN END FUNCTION COMMAND_ARGUMENT_COUNT !
()!
===== SUBROUTINE
FileSiz (FileName, Size) ! This routine calls the routine Stat to obtain the file size ! corresponding to a file name or returns -1 on error. ! mlb: WARNING!!! ! The standard version of the routine uses the file unit instead of file name. ! We need fix the routines that call this one. ! Argument declarations: INTEGER, INTENT(OUT) :: Size CHARACTER(*), INTENT(IN) :: FileName ! Intrinsic declarations: INTEGER(KIND=1) :: Stat ! Local declarations: INTEGER :: StatArray(12) INTEGER :: Status Status = Stat(FileName, StatArray) IF (Status /= 0) THEN Size = -1 ELSE Size = StatArray(8) END IF RETURN END SUBROUTINE FileSiz ! (FileName, Size)!
===== SUBROUTINE
FindLine (Str , MaxLen , StrEnd) ! This routine finds one line of text with a maximum length of MaxLen from the Str. ! It tries to break the line at a blank. ! This routine isn't system specific
- character(1) `but`
- character(1) `it`
- character(1) `is`
- character(1) `called`
- character(1) `by`
- character(1), dimension() `wrscr`
- character(1) `which`
- character(1) `so`
- character(1) `must`
- character(1) `be`
- character(1) `here`
- integer, intent(in) `maxlen`
- integer, intent(out) `strend`
- character(*), intent(in) `str`
- integer `ic`

3.36.1 Detailed Description

Definition at line 111 of file `tempassembled.f90`.

3.36.2 Member Function/Subroutine Documentation

3.36.2.1 subroutine `syssubs::flushout` (integer, intent(in) *Unit*)

Definition at line 287 of file `tempassembled.f90`.

Definition at line 14157 of file tempassembled.f90.

Definition at line 28027 of file tempassembled.f90.

Definition at line 41897 of file tempassembled.f90.

Definition at line 306 of file tempassembled.f90.

```
graph LR; nwtc_io::checkargs --> syssubs::get_arg
```

Definition at line 28046 of file tempassembled.f90.

Definition at line 14176 of file tempassembled.f90.

3.36.2.8 subroutine syssubs::get_arg (integer, intent(in) *Arg_Num*, character(*), intent(out) *Arg*, logical, intent(out) *Error*)

Definition at line 41916 of file tempassembled.f90.

3.36.2.9 subroutine syssubs::get_arg_num (integer, intent(out) *Arg_Num*)

Definition at line 28081 of file tempassembled.f90.

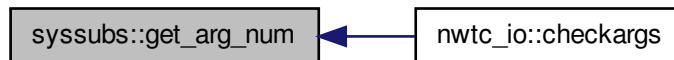
3.36.2.10 subroutine syssubs::get_arg_num (integer, intent(out) *Arg_Num*)

Definition at line 14211 of file tempassembled.f90.

3.36.2.11 subroutine syssubs::get_arg_num (integer, intent(out) *Arg_Num*)

Definition at line 341 of file tempassembled.f90.

Here is the caller graph for this function:



3.36.2.12 subroutine syssubs::get_arg_num (integer, intent(out) *Arg_Num*)

Definition at line 41951 of file tempassembled.f90.

3.36.2.13 subroutine syssubs::get_command (character(*), intent(out), optional *Command*, integer, intent(out), optional *Length*, integer, intent(out), optional *Status*)

Definition at line 361 of file tempassembled.f90.

3.36.2.14 subroutine syssubs::get_command (character(*), intent(out), optional *Command*, integer, intent(out), optional *Length*, integer, intent(out), optional *Status*)

Definition at line 28101 of file tempassembled.f90.

3.36.2.15 subroutine syssubs::get_command (character(*), intent(out), optional *Command*, integer, intent(out), optional *Length*, integer, intent(out), optional *Status*)

Definition at line 14231 of file tempassembled.f90.

3.36.2.16 subroutine syssubs::get_command (character(*), intent(out), optional *Command*, integer, intent(out), optional *Length*, integer, intent(out), optional *Status*)

Definition at line 41971 of file tempassembled.f90.

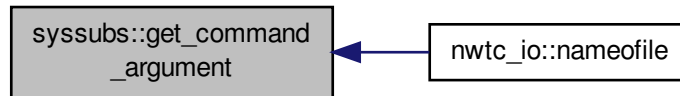
3.36.2.17 subroutine syssubs::get_command_argument (integer, intent(in) *Number*, character(*), intent(out), optional *Value*, integer, intent(out), optional *Length*, integer, intent(out), optional *Status*)

Definition at line 28154 of file tempassembled.f90.

3.36.2.18 subroutine `syssubs::get_command_argument` (integer, intent(in) *Number*, character(*), intent(out), optional *Value*, integer, intent(out), optional *Length*, integer, intent(out), optional *Status*)

Definition at line 414 of file `tempassembled.f90`.

Here is the caller graph for this function:



3.36.2.19 subroutine `syssubs::get_command_argument` (integer, intent(in) *Number*, character(*), intent(out), optional *Value*, integer, intent(out), optional *Length*, integer, intent(out), optional *Status*)

Definition at line 14284 of file `tempassembled.f90`.

3.36.2.20 subroutine `syssubs::get_command_argument` (integer, intent(in) *Number*, character(*), intent(out), optional *Value*, integer, intent(out), optional *Length*, integer, intent(out), optional *Status*)

Definition at line 42024 of file `tempassembled.f90`.

3.36.2.21 subroutine `syssubs::get_cwd` (character(*), intent(out) *DirName*, integer, intent(out) *Status*)

Definition at line 28199 of file `tempassembled.f90`.

3.36.2.22 subroutine `syssubs::get_cwd` (character(*), intent(out) *DirName*, integer, intent(out) *Status*)

Definition at line 14329 of file `tempassembled.f90`.

3.36.2.23 subroutine `syssubs::get_cwd` (character(*), intent(out) *DirName*, integer, intent(out) *Status*)

Definition at line 459 of file `tempassembled.f90`.

3.36.2.24 subroutine `syssubs::get_cwd` (character(*), intent(out) *DirName*, integer, intent(out) *Status*)

Definition at line 42069 of file `tempassembled.f90`.

3.36.2.25 character(500) function `syssubs::get_env` (character(*), intent(in) *EnvVar*)

Definition at line 28219 of file `tempassembled.f90`.

Here is the call graph for this function:



3.36.2.26 `character(500) function syssubs::get_env (character(*), intent(in) EnvVar)`

Definition at line 14349 of file `tempassembled.f90`.

Here is the call graph for this function:



3.36.2.27 `character(500) function syssubs::get_env (character(*), intent(in) EnvVar)`

Definition at line 479 of file `tempassembled.f90`.

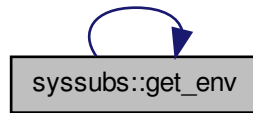
Here is the caller graph for this function:



3.36.2.28 `character(500) function syssubs::get_env (character(*), intent(in) EnvVar)`

Definition at line 42089 of file `tempassembled.f90`.

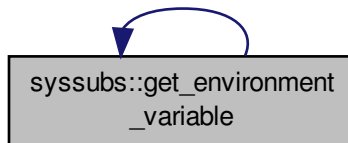
Here is the call graph for this function:



3.36.2.29 `character(maxlen)` function `syssubs::get_environment_variable (character(*), intent(in) Name, character(*), intent(out), optional Value, integer, intent(out), optional Length, integer, intent(out), optional Status, logical, intent(in), optional Trim_Name)`

Definition at line 505 of file `tempassembled.f90`.

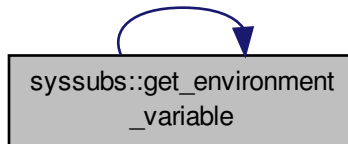
Here is the caller graph for this function:



3.36.2.30 `character(maxlen)` function `syssubs::get_environment_variable (character(*), intent(in) Name, character(*), intent(out), optional Value, integer, intent(out), optional Length, integer, intent(out), optional Status, logical, intent(in), optional Trim_Name)`

Definition at line 28245 of file `tempassembled.f90`.

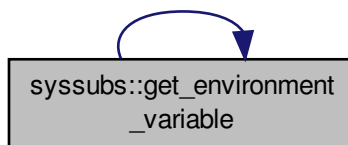
Here is the call graph for this function:



3.36.2.31 `character(maxlen)` function `syssubs::get_environment_variable` (`character(*)`, `intent(in)` *Name*, `character(*)`, `intent(out)`, optional *Value*, `integer`, `intent(out)`, optional *Length*, `integer`, `intent(out)`, optional *Status*, `logical`, `intent(in)`, optional *Trim_Name*)

Definition at line 14375 of file `tempassembled.f90`.

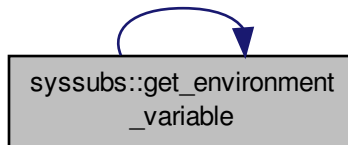
Here is the call graph for this function:



3.36.2.32 `character(maxlen)` function `syssubs::get_environment_variable` (`character(*)`, `intent(in)` *Name*, `character(*)`, `intent(out)`, optional *Value*, `integer`, `intent(out)`, optional *Length*, `integer`, `intent(out)`, optional *Status*, `logical`, `intent(in)`, optional *Trim_Name*)

Definition at line 42115 of file `tempassembled.f90`.

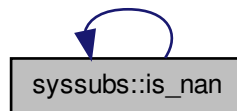
Here is the call graph for this function:



3.36.2.33 logical function `syssubs::is_nan (real(dbki), intent(in) DbINum)`

Definition at line 575 of file `tempassembled.f90`.

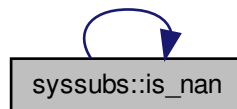
Here is the caller graph for this function:



3.36.2.34 logical function `syssubs::is_nan (real(dbki), intent(in) DbINum)`

Definition at line 14445 of file `tempassembled.f90`.

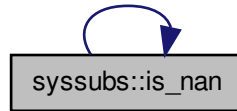
Here is the call graph for this function:



3.36.2.35 logical function `syssubs::is_nan (real(dbki), intent(in) DbINum)`

Definition at line 28315 of file `tempassembled.f90`.

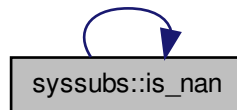
Here is the call graph for this function:



3.36.2.36 logical function `syssubs::is_nan (real(dbki), intent(in) DbINum)`

Definition at line 42185 of file `tempassembled.f90`.

Here is the call graph for this function:



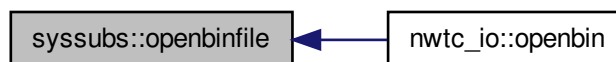
3.36.2.37 subroutine `syssubs::openbinfile (integer, intent(in) Un, character(*), intent(in) OutFile, integer, intent(in) RecLen, logical, intent(out) Error)`

Definition at line 42212 of file `tempassembled.f90`.

3.36.2.38 subroutine `syssubs::openbinfile (integer, intent(in) Un, character(*), intent(in) OutFile, integer, intent(in) RecLen, logical, intent(out) Error)`

Definition at line 602 of file `tempassembled.f90`.

Here is the caller graph for this function:



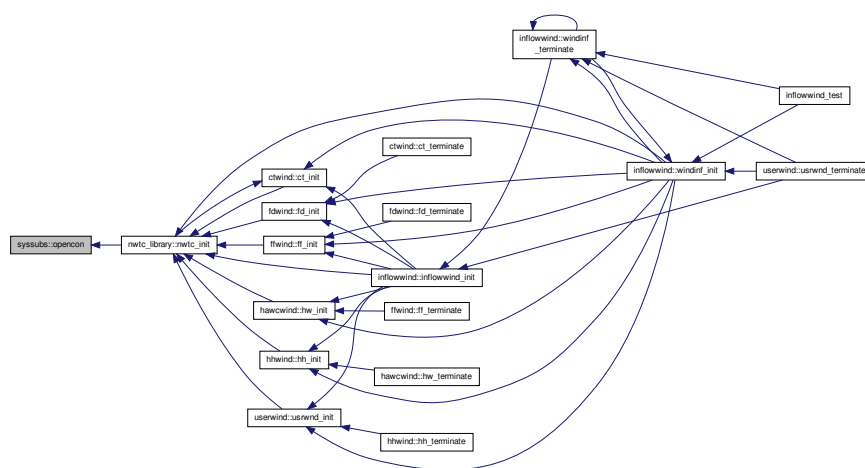
Here is the call graph for this function:



Here is the call graph for this function:



Here is the caller graph for this function:



3.36.2.48 subroutine syssubs::opencon ()

Definition at line 28421 of file tempassembled.f90.

Here is the call graph for this function:

3.36.2.49 subroutine syssubs::openunfinpbefile (integer, intent(in) *Un*, character(*), intent(in) *InFile*, integer, intent(in) *RecLen*, logical, intent(out) *Error*)

Definition at line 28436 of file tempassembled.f90.

3.36.2.50 subroutine syssubs::openunfinpbefile (integer, intent(in) *Un*, character(*), intent(in) *InFile*, integer, intent(in) *RecLen*, logical, intent(out) *Error*)

Definition at line 42306 of file tempassembled.f90.

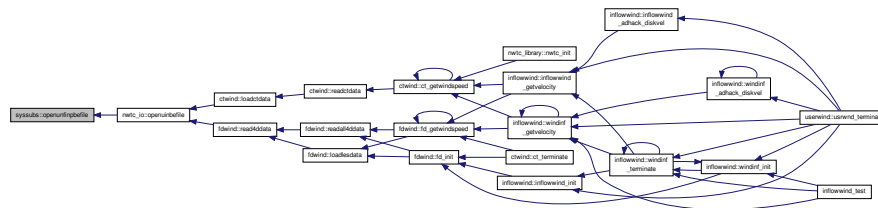
3.36.2.51 subroutine syssubs::openunfinpbefile (integer, intent(in) *Un*, character(*), intent(in) *InFile*, integer, intent(in) *RecLen*, logical, intent(out) *Error*)

Definition at line 14566 of file tempassembled.f90.

3.36.2.52 subroutine syssubs::openunfinpbefile (integer, intent(in) *Un*, character(*), intent(in) *InFile*, integer, intent(in) *RecLen*, logical, intent(out) *Error*)

Definition at line 696 of file tempassembled.f90.

Here is the caller graph for this function:

3.36.2.53 subroutine syssubs::progexit (integer, intent(in) *StatCode*)

Definition at line 42354 of file tempassembled.f90.

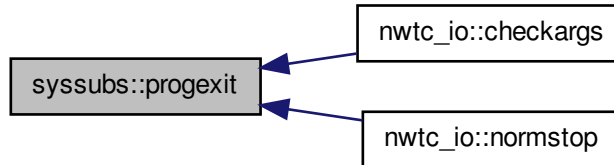
3.36.2.54 subroutine syssubs::progexit (integer, intent(in) *StatCode*)

Definition at line 14614 of file tempassembled.f90.

3.36.2.55 subroutine syssubs::progexit (integer, intent(in) *StatCode*)

Definition at line 744 of file tempassembled.f90.

Here is the caller graph for this function:

**3.36.2.56** subroutine syssubs::progexit (integer, intent(in) *StatCode*)

Definition at line 28484 of file tempassembled.f90.

3.36.2.57 subroutine syssubs::usralarm ()

Definition at line 42383 of file tempassembled.f90.

Here is the call graph for this function:

**3.36.2.58** subroutine syssubs::usralarm ()

Definition at line 14643 of file tempassembled.f90.

Here is the call graph for this function:



3.36.2.59 subroutine syssubs::usralarm ()

Definition at line 773 of file tempassembled.f90.

Here is the call graph for this function:



Here is the caller graph for this function:



3.36.2.60 subroutine syssubs::usralarm ()

Definition at line 28513 of file tempassembled.f90.

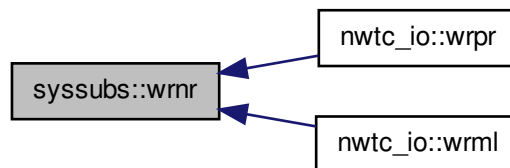
Here is the call graph for this function:



3.36.2.61 subroutine syssubs::wnr (character(*), intent(in) *Str*)

Definition at line 814 of file tempassembled.f90.

Here is the caller graph for this function:



3.36.2.62 subroutine syssubs::wnr (character(*), intent(in) *Str*)

Definition at line 28554 of file tempassembled.f90.

3.36.2.63 subroutine syssubs::wnr (character(*), intent(in) *Str*)

Definition at line 14684 of file tempassembled.f90.

3.36.2.64 subroutine syssubs::wnr (character(*), intent(in) *Str*)

Definition at line 42424 of file tempassembled.f90.

3.36.2.65 subroutine syssubs::wrover (character(*), intent(in) *Str*)

Definition at line 14702 of file tempassembled.f90.

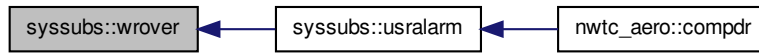
3.36.2.66 subroutine syssubs::wrover (character(*), intent(in) *Str*)

Definition at line 28572 of file tempassembled.f90.

3.36.2.67 subroutine syssubs::wrover (character(*), intent(in) *Str*)

Definition at line 832 of file tempassembled.f90.

Here is the caller graph for this function:



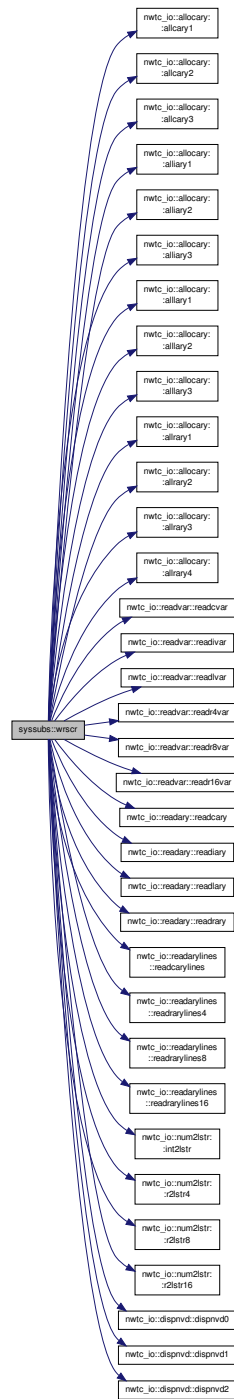
3.36.2.68 subroutine `syssubs::wrover` (`character(*)`, `intent(in) Str`)

Definition at line 42442 of file `tempassembled.f90`.

3.36.2.69 subroutine, `dimension()` `syssubs::wrscr` (`character(*)`, `intent(in) Str`)

Definition at line 42460 of file `tempassembled.f90`.

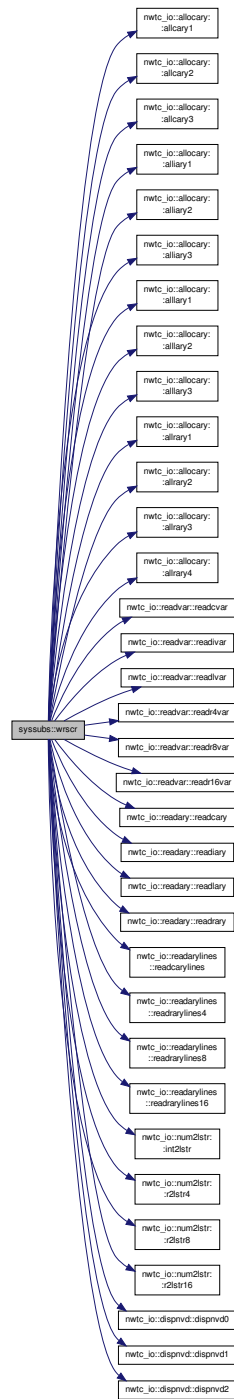
Here is the call graph for this function:



3.36.2.70 subroutine, dimension() syssubs::wrscr (character(*), intent(in) Str)

Definition at line 14720 of file tempassembled.f90.

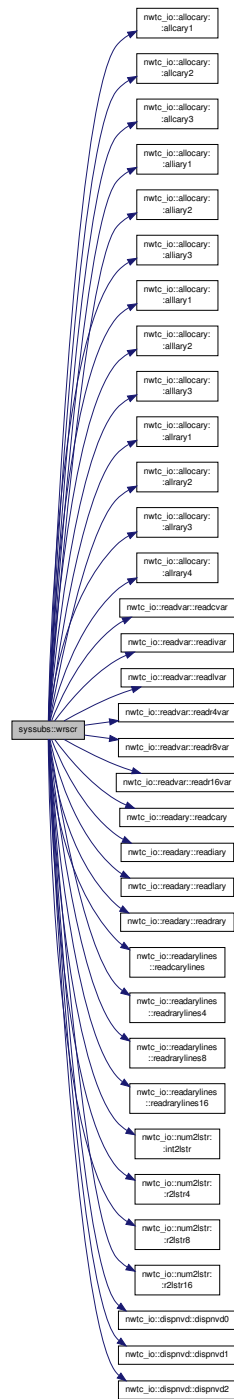
Here is the call graph for this function:



3.36.2.71 subroutine, dimension() syssubs::wrcr (character(*), intent(in) Str)

Definition at line 28590 of file tempassembled.f90.

Here is the call graph for this function:



3.36.2.72 subroutine, dimension() syssubs::wrsr (character(*), intent(in) Str)

Definition at line 850 of file tempassembled.f90.

The graph illustrates a complex network of nodes and their relationships. The nodes are arranged in a hierarchical structure, with many nodes having multiple incoming and outgoing edges. The nodes are labeled with text, often followed by a suffix like '_id', '_name', or '_value'. The graph is dense, with many edges connecting different parts of the hierarchy.

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3.36.3.1 character(1) syssubs::be

Definition at line 242 of file tempassembled.f90.

3.36.3.2 character(1) syssubs::but

Definition at line 242 of file tempassembled.f90.

3.36.3.3 character(1) syssubs::by

Definition at line 242 of file tempassembled.f90.

3.36.3.4 character(1) syssubs::called

Definition at line 242 of file tempassembled.f90.

3.36.3.5 integer syssubs::conrecl = 120

Definition at line 156 of file tempassembled.f90.

3.36.3.6 integer syssubs::cu = 6

Definition at line 157 of file tempassembled.f90.

3.36.3.7 character(10) syssubs::endian = 'BIG_ENDIAN'

Definition at line 160 of file tempassembled.f90.

3.36.3.8 character(1) syssubs::here

Definition at line 242 of file tempassembled.f90.

3.36.3.9 integer syssubs::ic

Definition at line 258 of file tempassembled.f90.

3.36.3.10 character(1) syssubs::is

Definition at line 242 of file tempassembled.f90.

3.36.3.11 character(1) syssubs::it

Definition at line 242 of file tempassembled.f90.

3.36.3.12 integer, intent(in) syssubs::maxlen

Definition at line 250 of file tempassembled.f90.

3.36.3.13 character(1) syssubs::must

Definition at line 242 of file tempassembled.f90.

3.36.3.14 integer syssubs::nl_len = 2

Definition at line 158 of file tempassembled.f90.

3.36.3.15 `character(1) syssubs::pathsep = '\'` ! The path separator. `CHARACTER(1) :: SwChar = '/'` ! The switch character for command-line options. 20110512 jm changed from 'BINARY' to 'UNFORMATTED' because 'BINARY' is not standard and caused problems in OPEN statements in NWTC_IO.f90 that use this definition `CHARACTER(11) :: UnfForm = 'UNFORMATTED'` ! The string to specify unformatted I/O files. CONTAINS!===== FUNCTION `COMMAND_ARGUMENT_COUNT()` ! This routine returns the number of arguments entered on the command line. ! Note: This routine will be available intrinsically in Fortran 2000. ! Function declaration. `INTEGER :: COMMAND_ARGUMENT_COUNT` ! This function. The command line. ! Determine the number of arguments. Load the program name into the result. `COMMAND_ARGUMENT_COUNT = IArgC()` RETURN END FUNCTION `COMMAND_ARGUMENT_COUNT` !()!===== SUBROUTINE `FileSize (FileName, Size)` ! This routine calls the routine `Stat` to obtain the file size ! corresponding to a file name or returns -1 on error. ! mlb: WARNING!!! ! The standard version of the routine uses the file unit instead of file name. ! We need fix the routines that call this one. ! Argument declarations: `INTEGER, INTENT(OUT) :: Size` `CHARACTER(*)`, `INTENT(IN) :: FileName` ! Intrinsic declarations: `INTEGER(KIND=1) :: Stat` ! Local declarations: `INTEGER :: StatArray(12)` `INTEGER :: Status` `Status = Stat(FileName, StatArray)` IF (`Status /= 0`) THEN `Size = -1` ELSE `Size = StatArray(8)` END IF RETURN END SUBROUTINE `FileSize` ! (`FileName, Size`)!===== SUBROUTINE `FindLine (Str , MaxLen , StrEnd)` ! This routine finds one line of text with a maximum length of `MaxLen` from the `Str`. ! It tries to break the line at a blank. ! This routine isn't system specific

Definition at line 161 of file `tempassembled.f90`.

3.36.3.16 `character(1) syssubs::so`

Definition at line 242 of file `tempassembled.f90`.

3.36.3.17 `character(*)`, `intent(in) syssubs::str`

Definition at line 253 of file `tempassembled.f90`.

3.36.3.18 `integer`, `intent(out) syssubs::strend`

Definition at line 251 of file `tempassembled.f90`.

3.36.3.19 `character(1) syssubs::which`

Definition at line 242 of file `tempassembled.f90`.

3.36.3.20 `character(1)`, `dimension()` `syssubs::wscr`

Definition at line 242 of file `tempassembled.f90`.

The documentation for this module was generated from the following file:

- [tempassembled.f90](#)

3.37 userwind Module Reference

Public Member Functions

- subroutine, public `usrwnd_init` (`ErrStat`)
- real(reki) function, public `usrwnd_getvalue` (`VarName`, `ErrStat`)
- type(inflintrpout) function, public `usrwnd_getwindspeed` (`Time`, `InputPosition`, `ErrStat`)
- subroutine, public `usrwnd_terminate` (`ErrStat`)
- subroutine, public `usrwnd_init` (`ErrStat`)

- real(reki) function, public [usrwnd_getvalue](#) (VarName, ErrStat)
- type(inflintrpout) function, public [usrwnd_getwindspeed](#) (Time, InputPosition, ErrStat)
- subroutine, public [usrwnd_terminate](#) (ErrStat)
- subroutine, public [usrwnd_init](#) (ErrStat)
- real(reki) function, public [usrwnd_getvalue](#) (VarName, ErrStat)
- type(inflintrpout) function, public [usrwnd_getwindspeed](#) (Time, InputPosition, ErrStat)
- subroutine, public [usrwnd_terminate](#) (ErrStat)
- subroutine, public [usrwnd_init](#) (ErrStat)
- real(reki) function, public [usrwnd_getvalue](#) (VarName, ErrStat)
- type(inflintrpout) function, public [usrwnd_getwindspeed](#) (Time, InputPosition, ErrStat)
- subroutine, public [usrwnd_terminate](#) (ErrStat)

Private Attributes

- logical, save [initialized](#) = .FALSE.
- real(reki) [uwmeanu](#)
- real(reki) [uwmeanv](#)
- real(reki) [uwmeanw](#)

3.37.1 Detailed Description

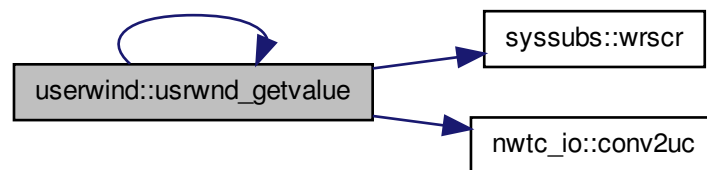
Definition at line 12812 of file tempassembled.f90.

3.37.2 Member Function/Subroutine Documentation

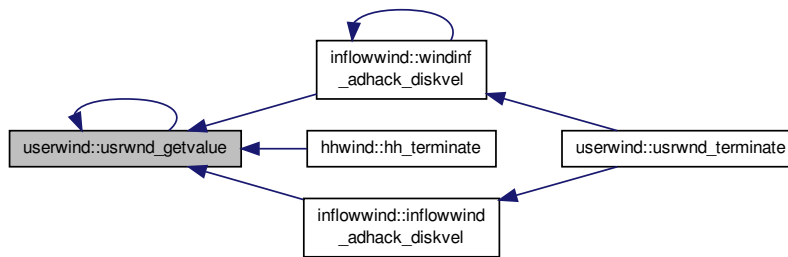
3.37.2.1 real(reki) function, public userwind::usrwnd_getvalue (character(*), intent(in) *VarName*, integer, intent(out) *ErrStat*)

Definition at line 12885 of file tempassembled.f90.

Here is the call graph for this function:



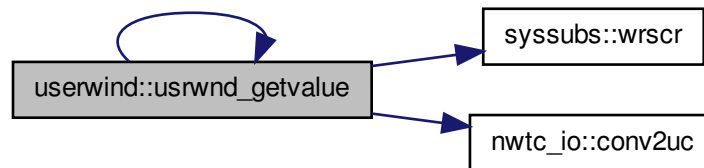
Here is the caller graph for this function:



3.37.2.2 `real(reki)` function, public `userwind::usrwnd_getvalue` (`character(*)`, `intent(in) VarName`, `integer`, `intent(out) ErrStat`)

Definition at line 40625 of file `tempassembled.f90`.

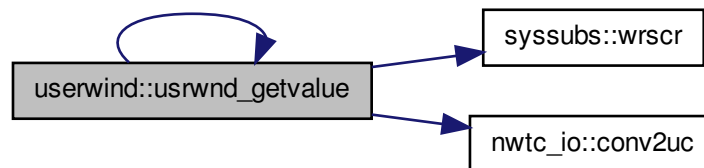
Here is the call graph for this function:



3.37.2.3 `real(reki)` function, public `userwind::usrwnd_getvalue` (`character(*)`, `intent(in) VarName`, `integer`, `intent(out) ErrStat`)

Definition at line 26755 of file `tempassembled.f90`.

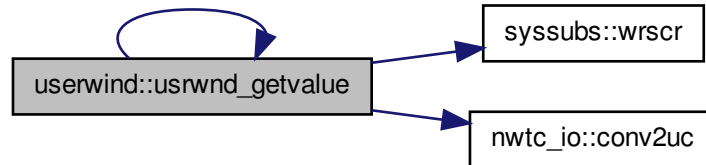
Here is the call graph for this function:



3.37.2.4 `real(reki)` function, public `userwind::usrwnd_getvalue (character(*), intent(in) VarName, integer, intent(out) ErrStat)`

Definition at line 54507 of file `tempassembled.f90`.

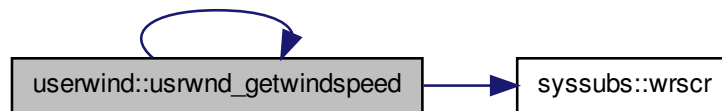
Here is the call graph for this function:



3.37.2.5 `type(inflintrpout)` function, public `userwind::usrwnd_getwindspeed (real(reki), intent(in) Time, real(reki), dimension(3), intent(in) InputPosition, integer, intent(out) ErrStat)`

Definition at line 40679 of file `tempassembled.f90`.

Here is the call graph for this function:

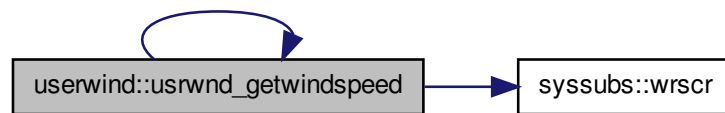


3.37.2.6 `type(inflintrpout)` function, public `userwind::usrwnd_getwindspeed (real(reki), intent(in) Time, real(reki), dimension(3), intent(in) InputPosition, integer, intent(out) ErrStat)`

Definition at line 26809 of file `tempassembled.f90`.

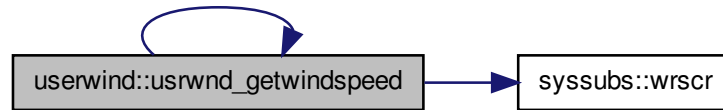
```
graph LR
    A[userwind::usrwnd_getwindspeed] --> A
    A --> B[syssubs::wrscr]
```

Here is the call graph for this function:



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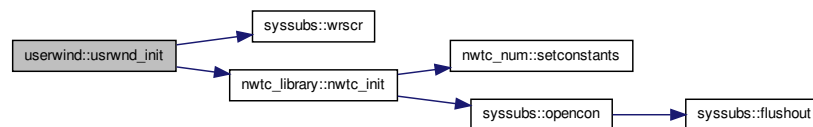
Here is the call graph for this function:



3.37.2.9 subroutine, public `userwind::usrwnd_init (integer, intent(out) ErrStat)`

Definition at line 54463 of file `tempassembled.f90`.

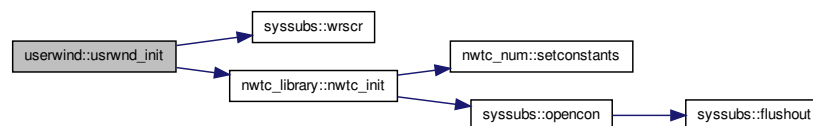
Here is the call graph for this function:



3.37.2.10 subroutine, public `userwind::usrwnd_init (integer, intent(out) ErrStat)`

Definition at line 40581 of file `tempassembled.f90`.

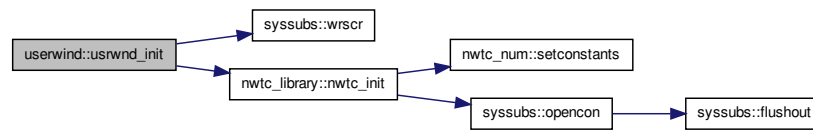
Here is the call graph for this function:



3.37.2.11 subroutine, public `userwind::usrwnd_init (integer, intent(out) ErrStat)`

Definition at line 26711 of file `tempassembled.f90`.

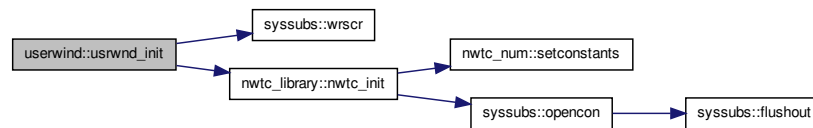
Here is the call graph for this function:



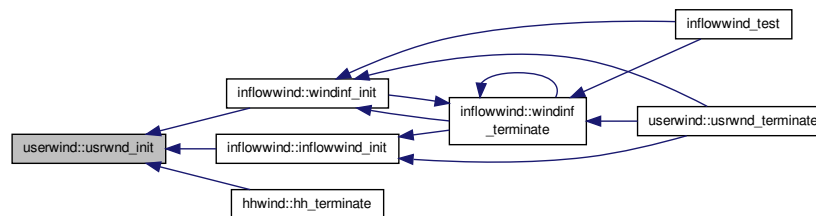
3.37.2.12 subroutine, public userwind::usrwnd_init (integer, intent(out) ErrStat)

Definition at line 12841 of file tempassembled.f90.

Here is the call graph for this function:



Here is the caller graph for this function:



3.37.2.13 subroutine, public userwind::usrwnd_terminate (integer, intent(out) ErrStat)

Definition at line 26850 of file tempassembled.f90.

Definition at line 12980 of file tempassembled.f90.

```

graph LR
    A[inflowwind:inflowwind_init] -- "inflowwind:inflowwind_init" --> B[inflowwind:inflowwind_terminate]
    B -- "inflowwind:inflowwind_terminate" --> C[inflowwind:inflowwind_terminate]
    C -- "inflowwind:inflowwind_terminate" --> D[inflowwind:inflowwind_terminate]
    D -- "inflowwind:inflowwind_terminate" --> E[inflowwind:inflowwind_terminate]
    E -- "inflowwind:inflowwind_terminate" --> A
    E -- "inflowwind:inflowwind_init" --> B
    E -- "inflowwind:inflowwind_terminate" --> C
    E -- "inflowwind:inflowwind_terminate" --> D
    E -- "inflowwind:inflowwind_terminate" --> E
  
```

Definition at line 40720 of file tempassembled.f90.

[illegible]

Definition at line 54602 of file tempassembled.f90.

3.37.3.1 logical save userwind::initialized = .FALSE. [private]

3.37.3.2 real(reki) userwind::uwmeanu [private]

3.37.3.3 real(reki) userwind::uwmeanv [private]

Generated on Tue Dec 11 2012 16:27:28 for Wave by Doxygen

3.37.3.4 `real(reki) userwind::uwmeanw [private]`

Definition at line 12829 of file `tempassembled.f90`.

The documentation for this module was generated from the following file:

- [tempassembled.f90](#)

4 File Documentation

4.1 tempassembled.f90 File Reference

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- module [syssubs](#)
- module [nwtc_io](#)
- type [nwtc_io::progdsc](#)
- type [nwtc_io::fastdatatype](#)
- interface [nwtc_io::allocary](#)
- interface [nwtc_io::readvar](#)
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Functions/Subroutines

- program [inflowwind_test](#)
- subroutine [exitthisroutine](#) (ErrID, Msg)

4.1.1 Function/Subroutine Documentation

4.1.1.1 subroutine [exitthisroutine](#) (integer(intki), intent(in) *ErrID*, character(*), intent(in) *Msg*)

Definition at line 3460 of file tempassembled.f90.

Here is the caller graph for this function:



4.1.1.2 program [inflowwind_test](#) ()

Definition at line 7 of file tempassembled.f90.

[illegible]

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