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CONTENTS

Contents

1	Data	Type Index	1
	1.1	Data Types List	1
2	File I	Index	2
	2.1	File List	2
3	Data	Type Documentation	2
	3.1	nwtc_aero::aerodata Type Reference	2
		3.1.1 Detailed Description	3
		3.1.2 Member Data Documentation	3
	3.2	nwtc_aero::aerotable Type Reference	4
		3.2.1 Detailed Description	4
		3.2.2 Member Data Documentation	4
	3.3	nwtc_aero::alfindx Type Reference	6
		3.3.1 Detailed Description	6
		3.3.2 Member Data Documentation	6
	3.4	nwtc_io::allocary Interface Reference	6
		3.4.1 Detailed Description	7
		3.4.2 Member Function/Subroutine Documentation	7
	3.5	ctwind::ct_backgr Type Reference	15
		3.5.1 Detailed Description	15
		3.5.2 Member Data Documentation	15
	3.6	ctwind Module Reference	15
		3.6.1 Detailed Description	17
		3.6.2 Member Function/Subroutine Documentation	17
		3.6.3 Member Data Documentation	29
	3.7	ctwind::ctwindfiles Type Reference	32
		3.7.1 Detailed Description	32
		3.7.2 Member Data Documentation	32
	3.8	nwtc_io::dispnvd Interface Reference	33
		3.8.1 Detailed Description	33
		3.8.2 Member Function/Subroutine Documentation	33
	3.9	nwtc_aero::elmtable Type Reference	35
		3.9.1 Detailed Description	
		3.9.2 Member Data Documentation	
	3.10	nwtc_num::equalrealnos Interface Reference	

CONTENTS

	3.10.1	Detailed Description	. 36
	3.10.2	Member Function/Subroutine Documentation	. 36
3.11	nwtc_io:	::fastdatatype Type Reference	. 37
	3.11.1	Detailed Description	. 38
	3.11.2	Member Data Documentation	. 38
3.12	fdwind M	Module Reference	. 38
	3.12.1	Detailed Description	. 4
	3.12.2	Member Function/Subroutine Documentation	. 4
	3.12.3	Member Data Documentation	. 50
3.13	ffwind::ff	ff_getvalue Interface Reference	. 57
	3.13.1	Detailed Description	. 57
	3.13.2	Member Function/Subroutine Documentation	. 58
3.14	ffwind M	Module Reference	. 58
	3.14.1	Detailed Description	. 60
	3.14.2	Member Function/Subroutine Documentation	. 60
	3.14.3	Member Data Documentation	. 76
3.15	hawcwin	nd Module Reference	. 77
	3.15.1	Detailed Description	. 78
	3.15.2	Member Function/Subroutine Documentation	. 78
	3.15.3	Member Data Documentation	. 85
3.16	hhwind::	::hh_info Type Reference	. 86
	3.16.1	Detailed Description	. 86
	3.16.2	Member Data Documentation	. 86
3.17	hhwind I	Module Reference	. 86
	3.17.1	Detailed Description	. 87
	3.17.2	Member Function/Subroutine Documentation	. 88
	3.17.3	Member Data Documentation	. 94
3.18	inflowwir	ind::inflinitinfo Type Reference	. 95
	3.18.1	Detailed Description	. 95
	3.18.2	Member Data Documentation	. 95
3.19	sharedin	nflowdefns::inflintrpout Type Reference	. 95
	3.19.1	Detailed Description	. 96
	3.19.2	Member Data Documentation	. 96
3.20	inflowwir	ind Module Reference	. 96
	3.20.1	Detailed Description	. 97
	3.20.2	Member Function/Subroutine Documentation	. 97
	3.20.3	Member Data Documentation	. 11

CONTENTS

3.21	nwtc_num::interpbin Interface Reference	14
	3.21.1 Detailed Description	14
	3.21.2 Member Function/Subroutine Documentation	14
3.22	nwtc_num::interpstp Interface Reference	16
	3.22.1 Detailed Description	16
	3.22.2 Member Function/Subroutine Documentation	16
3.23	modmesh::meshtype Type Reference	17
	3.23.1 Detailed Description	19
	3.23.2 Member Data Documentation	19
3.24	modmesh Module Reference	22
	3.24.1 Detailed Description	22
	3.24.2 Member Data Documentation	22
3.25	nwtc_io::num2lstr Interface Reference	23
	3.25.1 Detailed Description	23
	3.25.2 Member Function/Subroutine Documentation	23
3.26	nwtc_aero Module Reference	26
	3.26.1 Detailed Description	27
	3.26.2 Member Function/Subroutine Documentation	27
	3.26.3 Member Data Documentation	34
3.27	nwtc_io Module Reference	34
	3.27.1 Detailed Description	39
	3.27.2 Member Function/Subroutine Documentation	39
	3.27.3 Member Data Documentation	99
3.28	nwtc_library Module Reference	00
	3.28.1 Detailed Description	01
	3.28.2 Member Function/Subroutine Documentation	01
3.29	nwtc_num Module Reference	02
	3.29.1 Detailed Description	04
	3.29.2 Member Function/Subroutine Documentation	05
	3.29.3 Member Data Documentation	22
3.30	precision Module Reference	23
	3.30.1 Detailed Description	24
	3.30.2 Member Data Documentation	24
3.31	nwtc_io::progdesc Type Reference	25
	3.31.1 Detailed Description	25
	3.31.2 Member Data Documentation	25
3.32	nwtc_io::readary Interface Reference	25

1 Data Type Index 1

		3.32.1	Detailed Description	. 226			
		3.32.2	Member Function/Subroutine Documentation	. 226			
	3.33	nwtc_io	c::readarylines Interface Reference	. 228			
		3.33.1	Detailed Description	. 229			
		3.33.2	Member Function/Subroutine Documentation	. 229			
	3.34	nwtc_io	c:readvar Interface Reference	. 231			
		3.34.1	Detailed Description	. 232			
		3.34.2	Member Function/Subroutine Documentation	. 232			
	3.35	sharedi	nflowdefns Module Reference	. 235			
		3.35.1	Detailed Description	. 235			
		3.35.2	Member Data Documentation	. 236			
	3.36	•	s Module Reference				
		3.36.1	Detailed Description	. 238			
		3.36.2	Member Function/Subroutine Documentation	. 238			
		3.36.3	Member Data Documentation	. 253			
	3.37	userwin	nd Module Reference	. 255			
		3.37.1	Detailed Description	. 256			
		3.37.2	Member Function/Subroutine Documentation	. 256			
		3.37.3	Member Data Documentation	. 263			
4	File I	Docume	entation	264			
	4.1	tempas	sembled.f90 File Reference	. 264			
		4.1.1	Function/Subroutine Documentation	. 266			
1	Dat	ta Type	e Index				
		,					
1.1	Da	ta Types	s List				
He	re are	the data	a types with brief descriptions:				
				•			
	nwtc	_aero::a	nerodata e e e e e e e e e e e e e e e e e e	2			
	nwtc	_aero::a	aerotable	4			
	nwtc	_aero::a	alfindx	6			
	nwtc_io::allocary						
	ctwir	nd::ct_b	ackgr	15			
							
	ctwir	าส		15			
	ctwir	nd::ctwi	ndfiles	32			

nwtc_io::dispnvd	33
nwtc_aero::elmtable	35
nwtc_num::equalrealnos	35
nwtc_io::fastdatatype	37
fdwind	38
ffwind::ff_getvalue	57
ffwind	58
hawcwind	77
hhwind::hh_info	86
hhwind	86
inflowwind::inflinitinfo	95
sharedinflowdefns::inflintrpout	95
inflowwind	96
nwtc_num::interpbin	114
nwtc_num::interpstp	116
modmesh::meshtype	117
modmesh	122
nwtc_io::num2lstr	123
nwtc_aero	126
nwtc_io	134
nwtc_library	200
nwtc_num	202
precision	223
nwtc_io::progdesc	225
nwtc_io::readary	225
nwtc_io::readarylines	228
nwtc_io::readvar	231
sharedinflowdefns	235
syssubs	236
userwind	255

2 File Index 3

2 File Index

2.1 File List

Here is a list of all files with brief descriptions:

tempassembled.f90 264

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) cnsl
- 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::aerotable 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 cpmin
- 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::aerotable::alfastal

Definition at line 5994 of file tempassembled.f90.

3.2.2.2 real(reki), dimension (:), allocatable nwtc_aero::aerotable::alpha

Definition at line 6005 of file tempassembled.f90.

3.2.2.3 real(reki) nwtc_aero::aerotable::aod

Definition at line 5995 of file tempassembled.f90.

3.2.2.4 real(reki) nwtc_aero::aerotable::aol

Definition at line 5996 of file tempassembled.f90.

3.2.2.5 real(reki), dimension (:), allocatable nwtc_aero::aerotable::cd

Definition at line 6007 of file tempassembled.f90.

3.2.2.6 real(reki) nwtc_aero::aerotable::cd0

Definition at line 5997 of file tempassembled.f90.

3.2.2.7 real(reki), dimension (:), allocatable nwtc_aero::aerotable::cl

Definition at line 6006 of file tempassembled.f90.

3.2.2.8 real(reki), dimension (:), allocatable nwtc_aero::aerotable::cm

Definition at line 6008 of file tempassembled.f90.

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

Definition at line 5998 of file tempassembled.f90.

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

Definition at line 5999 of file tempassembled.f90.

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

Definition at line 6000 of file tempassembled.f90.

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

Definition at line 6009 of file tempassembled.f90.

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

Definition at line 6002 of file tempassembled.f90.

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

Definition at line 6010 of file tempassembled.f90.

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

Definition at line 6011 of file tempassembled.f90.

3.2.2.16 integer nwtc_aero::aerotable::ind = 0

Definition at line 6003 of file tempassembled.f90.

3.2.2.17 integer nwtc_aero::aerotable::numalf

Definition at line 6004 of file tempassembled.f90.

3.2.2.18 real(reki) nwtc_aero::aerotable::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 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)

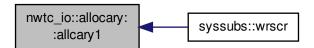
3.4.1 Detailed Description

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*)

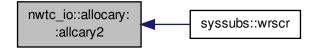
Definition at line 15030 of file tempassembled.f90.

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 28900 of file tempassembled.f90.

3.4.2.4 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.



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 15063 of file tempassembled.f90.

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 28933 of file tempassembled.f90.

3.4.2.7 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.

3.4.2.8 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.

3.4.2.9 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*)

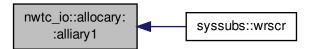
Definition at line 1226 of file tempassembled.f90.



3.4.2.10 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:



3.4.2.11 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.

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

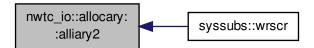
Definition at line 29002 of file tempassembled.f90.

3.4.2.13 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.

3.4.2.14 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.



3.4.2.15 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.

3.4.2.16 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.

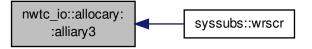
3.4.2.17 subroutine nwtc_io::allocary::alliary3 (integer, dimension (:,:,:), allocatable *Ary*, integer, intent(in) *AryDim1*, integer, intent(in) *AryDim2*, integer, intent(in) *AryDim3*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 15197 of file tempassembled.f90.

3.4.2.18 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 1327 of file tempassembled.f90.

Here is the caller graph for this function:



3.4.2.19 subroutine nwtc_io::allocary::alllary1 (logical, dimension (:), allocatable *Ary,* integer, intent(in) *AryDim,* character(*), intent(in) *Descr,* integer, intent(out), optional *ErrStat*)

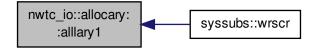
Definition at line 29102 of file tempassembled.f90.

3.4.2.20 subroutine nwtc_io::allocary::alllary1 (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.

3.4.2.21 subroutine nwtc_io::allocary::alllary1 (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.



3.4.2.22 subroutine nwtc_io::allocary::alllary2 (logical, dimension (:,:), allocatable *Ary,* integer, intent(in) *AryDim1,* integer, intent(in) *Descr,* integer, intent(out), optional *ErrStat*)

Definition at line 29136 of file tempassembled.f90.

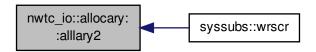
3.4.2.23 subroutine nwtc_io::allocary::alllary2 (logical, dimension (:,:), allocatable *Ary,* integer, intent(in) *AryDim1,* integer, intent(in) *Descr,* integer, intent(out), optional *ErrStat*)

Definition at line 15266 of file tempassembled.f90.

3.4.2.24 subroutine nwtc_io::allocary::alllary2 (logical, dimension (:,:), allocatable *Ary,* integer, intent(in) *AryDim1,* integer, intent(in) *Descr,* integer, intent(out), optional *ErrStat*)

Definition at line 1396 of file tempassembled.f90.

Here is the caller graph for this function:

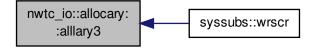


3.4.2.25 subroutine nwtc_io::allocary::alllary3 (logical, dimension (:,;,;), allocatable *Ary,* integer, intent(in) *AryDim1,* integer, intent(in) *AryDim2,* integer, intent(in) *AryDim3,* character(*), intent(in) *Descr,* integer, intent(out), optional *ErrStat*)

Definition at line 29171 of file tempassembled.f90.

3.4.2.26 subroutine nwtc_io::allocary::alllary3 (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.



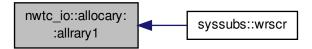
3.4.2.27 subroutine nwtc_io::allocary::alllary3 (logical, dimension (:,:,:), allocatable *Ary*, integer, intent(in) *AryDim1*, integer, intent(in) *AryDim2*, integer, intent(in) *AryDim3*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 15301 of file tempassembled.f90.

3.4.2.28 subroutine nwtc_io::allocary::allrary1 (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:



3.4.2.29 subroutine nwtc_io::allocary::allrary1 (real(reki), dimension (:), allocatable *Ary,* integer, intent(in) *AryDim,* character(*), intent(in) *Descr,* integer, intent(out), optional *ErrStat*)

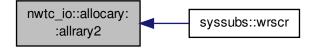
Definition at line 29207 of file tempassembled.f90.

3.4.2.30 subroutine nwtc_io::allocary::allrary1 (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.

3.4.2.31 subroutine nwtc_io::allocary::allrary2 (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.



3.4.2.32 subroutine nwtc_io::allocary::allrary2 (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.

3.4.2.33 subroutine nwtc_io::allocary::allrary2 (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.

3.4.2.34 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 29276 of file tempassembled.f90.

3.4.2.35 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.

3.4.2.36 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*)

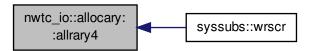
Definition at line 1536 of file tempassembled.f90.



3.4.2.37 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:



3.4.2.38 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.

3.4.2.39 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.

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)

Private Member Functions

- subroutine readctdata (UnWind, CTFileNo, Itime, ErrStat)
- subroutine loadctdata (UnWind, FileName, ITime, IComp, Vel, ErrStat)
- subroutine readctp (UnWind, FileName, CTPscaling, ErrStat)
- subroutine readctts (UnWind, FileName, CT_SC_ext, ErrStat)
- subroutine readctscales (UnWind, FileName, ErrStat)
- subroutine readctdata (UnWind, CTFileNo, Itime, ErrStat)
- subroutine loadctdata (UnWind, FileName, ITime, IComp, Vel, ErrStat)
- subroutine readctp (UnWind, FileName, CTPscaling, ErrStat)
- subroutine readctts (UnWind, FileName, CT SC ext, ErrStat)
- subroutine readctscales (UnWind, FileName, ErrStat)
- subroutine readctdata (UnWind, CTFileNo, Itime, ErrStat)
- subroutine loadctdata (UnWind, FileName, ITime, IComp, Vel, ErrStat)
- subroutine readctp (UnWind, FileName, CTPscaling, ErrStat)
- subroutine readctts (UnWind, FileName, CT_SC_ext, ErrStat)
- subroutine readctscales (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) ctscalevel
- real(reki), dimension(:), allocatable tdata
- real(reki) ct zref
- · real(reki) ctyhwid
- real(reki) ctymax
- real(reki) ctyt
- real(reki) ctzmax
- real(reki) invmctws
- integer ct_df_y
- integer ct_df_z
- integer, dimension(2) ctvel_files
- · integer indct_hi
- integer indct lo
- integer numctt
- 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.

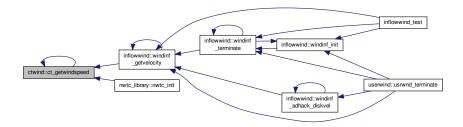
- 3.6.2 Member Function/Subroutine Documentation
- 3.6.2.1 type(inflintrpout) function, public ctwind::ct_getwindspeed (real(reki), intent(in) *Time*, real(reki), dimension(3), intent(in) *InputPosition*, integer, intent(out) *ErrStat*)

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*)

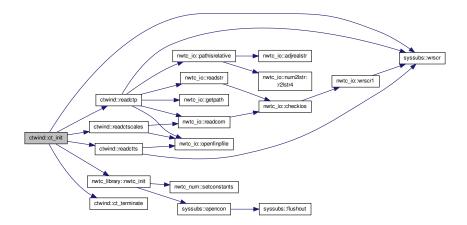
Definition at line 21380 of file tempassembled.f90.



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

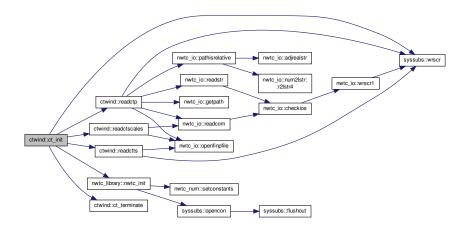
Definition at line 35045 of file tempassembled.f90.

Here is the call graph for this function:



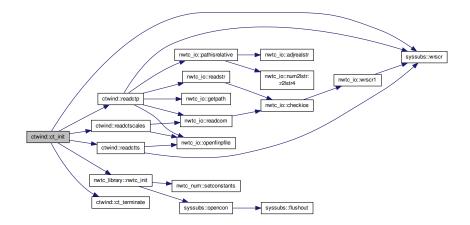
3.6.2.5 subroutine, public ctwind::ct_init (integer, intent(in) *UnWind,* character(*), intent(in) *WindFile,* type(ct_backgr), intent(out) *BackGrndValues,* integer, intent(out) *ErrStat*)

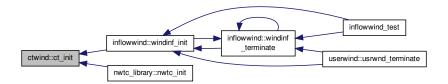
Definition at line 21175 of file tempassembled.f90.



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 7305 of file tempassembled.f90.





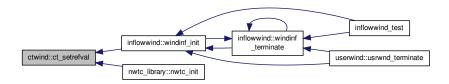
3.6.2.7 subroutine, public ctwind::ct_setrefval (real(reki), intent(in) *Height,* real(reki), intent(in), optional *HWidth,* integer, intent(out) *ErrStat*)

Definition at line 7456 of file tempassembled.f90.

Here is the call graph for this function:



Here is the caller graph for this function:



3.6.2.8 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.



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 21326 of file tempassembled.f90.

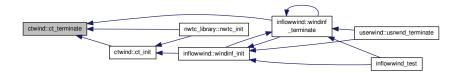
Here is the call graph for this function:



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

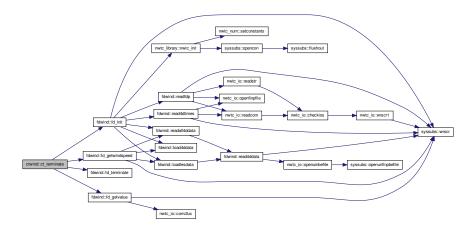
Definition at line 8190 of file tempassembled.f90.

Here is the caller graph for this function:



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

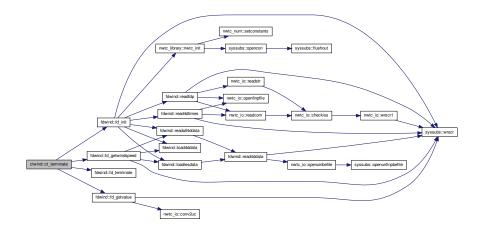
Definition at line 22060 of file tempassembled.f90.



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

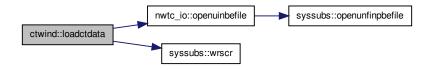
Definition at line 35930 of file tempassembled.f90.

Here is the call graph for this function:

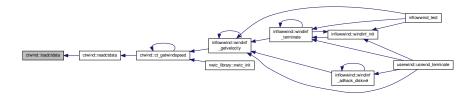


3.6.2.13 subroutine ctwind::loadctdata (integer, intent(in) *UnWind*, character(*), intent(in) *FileName*, integer, intent(in) *ITime*, integer, intent(in) *IComp*, real(reki), dimension (numctyd,numctzd,2), intent(inout) *Vel*, integer, intent(out) *ErrStat*) [private]

Definition at line 7840 of file tempassembled.f90.



Here is the caller graph for this function:



3.6.2.14 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:



3.6.2.15 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.



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

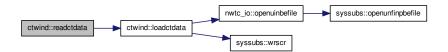
Definition at line 21657 of file tempassembled.f90.

Here is the call graph for this function:



3.6.2.17 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.





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

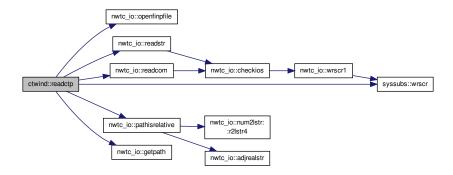
Definition at line 35527 of file tempassembled.f90.

Here is the call graph for this function:



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

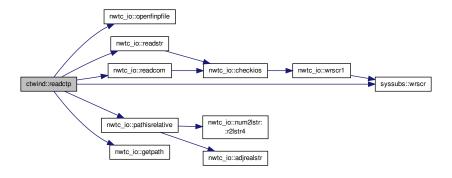
Definition at line 35648 of file tempassembled.f90.



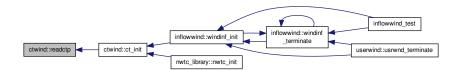
3.6.2.20 subroutine ctwind::readctp (integer, intent(in) *UnWind*, character(*), intent(in) *FileName*, type(ctwindfiles), intent(out) *CTPscaling*, integer, intent(out) *ErrStat*) [private]

Definition at line 7908 of file tempassembled.f90.

Here is the call graph for this function:

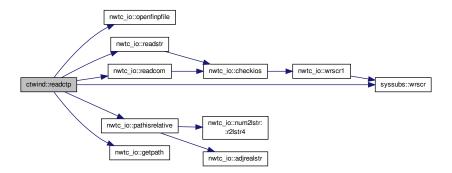


Here is the caller graph for this function:



3.6.2.21 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.



3.6.2.22 subroutine ctwind::readctscales (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:



3.6.2.23 subroutine ctwind::readctscales (integer, intent(in) *UnWind*, character(*), intent(in) *FileName*, integer, intent(out) *ErrStat*)

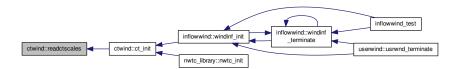
[private]

Definition at line 8130 of file tempassembled.f90.

Here is the call graph for this function:



Here is the caller graph for this function:



3.6.2.24 subroutine ctwind::readctscales (integer, intent(in) *UnWind*, character(*), intent(in) *FileName*, integer, intent(out) *ErrStat*) [private]

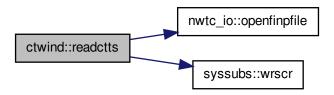
Definition at line 22000 of file tempassembled.f90.



3.6.2.25 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.

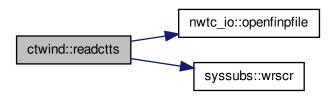
Here is the call graph for this function:



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

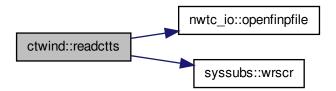
Definition at line 35728 of file tempassembled.f90.

Here is the call graph for this function:

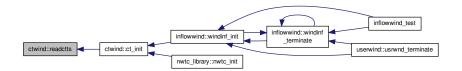


3.6.2.27 subroutine ctwind::readctts (integer, intent(in) *UnWind*, character(*), intent(in) *FileName*, character(3), intent(out) *CT_SC_ext*, integer, intent(out) *ErrStat*) [private]

Definition at line 7988 of file tempassembled.f90.



Here is the 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::ctscalevel [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.
```

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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::invmctws [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)

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 29677 of file tempassembled.f90.

3.8.2.4 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:



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

Definition at line 29691 of file tempassembled.f90.

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

Definition at line 15821 of file tempassembled.f90.

3.8.2.7 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:



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

Definition at line 29709 of file tempassembled.f90.

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

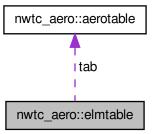
Definition at line 15839 of file tempassembled.f90.

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

• tempassembled.f90

3.9 nwtc_aero::elmtable Type Reference

Collaboration diagram for nwtc_aero::elmtable:



Public Attributes

- integer numtabs
- type(aerotable), 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::elmtable::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

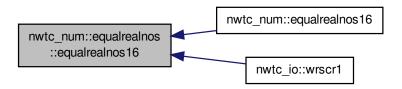
- logical function equalrealnos4 (ReNum1, ReNum2)
- logical function equalrealnos8 (ReNum1, ReNum2)
- logical function equalrealnos16 (ReNum1, ReNum2)
- logical function equalrealnos4 (ReNum1, ReNum2)
- logical function equalrealnos8 (ReNum1, ReNum2)
- logical function equalrealnos16 (ReNum1, ReNum2)
- logical function equalrealnos4 (ReNum1, ReNum2)
- logical function equalrealnos8 (ReNum1, ReNum2)
- logical function equalrealnos16 (ReNum1, ReNum2)

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.



- 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*)

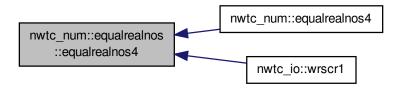
 Definition at line 18634 of file tempassembled.f90.
- 3.10.2.4 logical function nwtc_num::equalrealnos::equalrealnos4 (real(siki), intent(in) ReNum1, real(siki), intent(in) ReNum2)

 Definition at line 32430 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 18560 of file tempassembled.f90.
- 3.10.2.6 logical function nwtc_num::equalrealnos::equalrealnos4 (real(siki), intent(in) ReNum1, real(siki), intent(in) ReNum2)

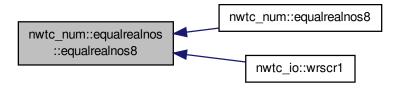
 Definition at line 4690 of file tempassembled.f90.

 Here is the caller graph for this function:



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

Definition at line 4727 of file tempassembled.f90.



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

Definition at line 18597 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.

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)

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 (InpIndx)
- 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 (InpIndx)
- 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 (InpIndx)

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) Iz
- 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

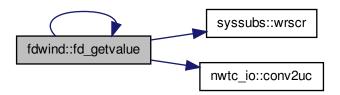
- · real(reki) ymax
- real(reki) yt
- real(reki) zmax
- · real(reki) zt
- real(reki) zref
- integer fd_df_x
- integer fd_df_y
- integer fd df z
- · integer fdfileno
- integer fdrecl
- integer ind4dadv
- integer ind4dnew
- integer ind4dold
- integer num4dt
- integer, parameter num4dtd = 2
- integer num4dx
- 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

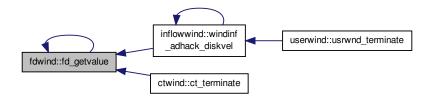
Definition at line 8212 of file tempassembled.f90.

- 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.



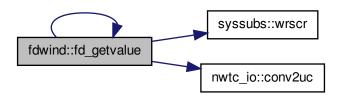
Here is the caller graph for this function:



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

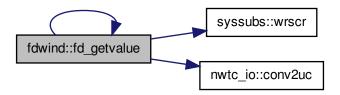
Definition at line 22941 of file tempassembled.f90.

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)

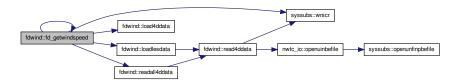
Definition at line 36811 of file tempassembled.f90.



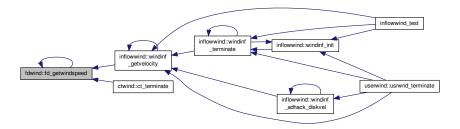
3.12.2.4 type(inflintrpout) function, public fdwind::fd_getwindspeed (real(reki), intent(in) *Time*, real(reki), dimension(3), intent(in) *InputPosition*, integer, intent(out) *ErrStat*)

Definition at line 9117 of file tempassembled.f90.

Here is the call graph for this function:

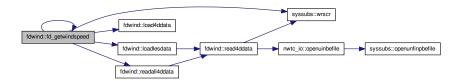


Here is the caller graph for this function:



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

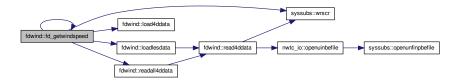
Definition at line 22987 of file tempassembled.f90.



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 36857 of file tempassembled.f90.

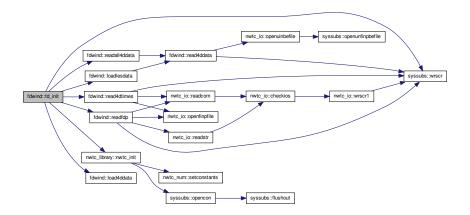
Here is the call graph for this function:

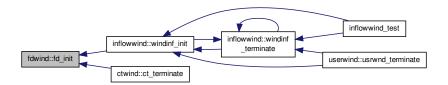


3.12.2.7 subroutine, public fdwind::fd_init (integer, intent(in) *UnWind*, character(*), intent(in) *WindFile*, real(reki), intent(in) *RefHt*, integer, intent(out) *ErrStat*)

Definition at line 8304 of file tempassembled.f90.

Here is the call graph for this function:

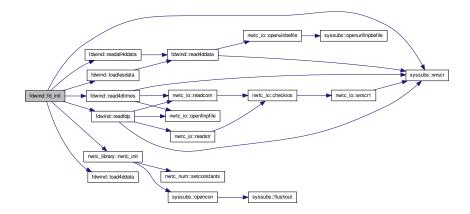




3.12.2.8 subroutine, public fdwind::fd_init (integer, intent(in) *UnWind*, character(*), intent(in) *WindFile*, real(reki), intent(in) *RefHt*, integer, intent(out) *ErrStat*)

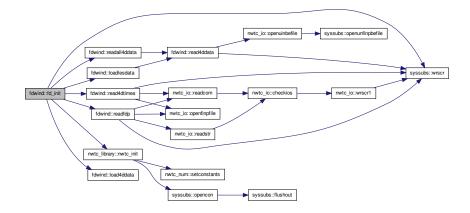
Definition at line 22174 of file tempassembled.f90.

Here is the call graph for this function:



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

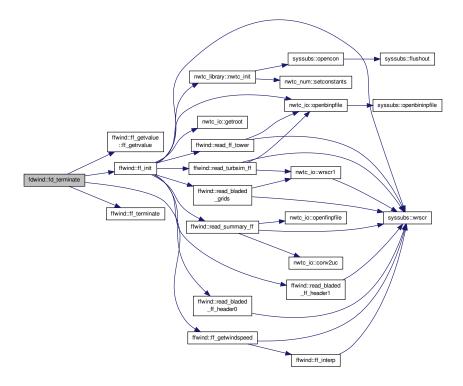
Definition at line 36044 of file tempassembled.f90.



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

Definition at line 23319 of file tempassembled.f90.

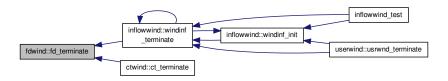
Here is the call graph for this function:



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

Definition at line 9449 of file tempassembled.f90.

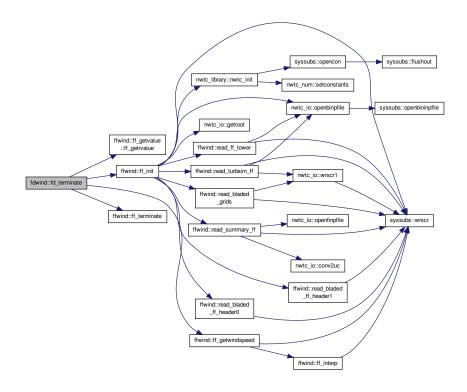
Here is the caller graph for this function:



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

Definition at line 37189 of file tempassembled.f90.

Here is the call graph for this function:



3.12.2.13 subroutine fdwind::load4ddata (integer, intent(in) Inplndx) [private]

Definition at line 22914 of file tempassembled.f90.

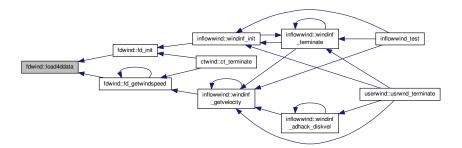
3.12.2.14 subroutine fdwind::load4ddata (integer, intent(in) Inplndx) [private]

Definition at line 36784 of file tempassembled.f90.

3.12.2.15 subroutine fdwind::load4ddata (integer, intent(in) Inplndx) [private]

Definition at line 9044 of file tempassembled.f90.

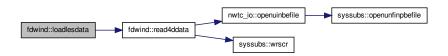
Here is the caller graph for this function:



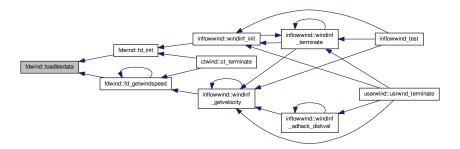
3.12.2.16 subroutine fdwind::loadlesdata (integer, intent(in) *UnWind*, integer, intent(in) *FileNo*, integer, intent(in) *Indx*, integer, intent(out) *ErrStat*) [private]

Definition at line 8922 of file tempassembled.f90.

Here is the call graph for this function:



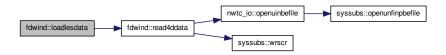
Here is the caller graph for this function:



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

Definition at line 36662 of file tempassembled.f90.

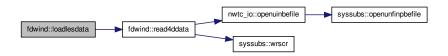
Here is the call graph for this function:



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

Definition at line 22792 of file tempassembled.f90.

Here is the call graph for this function:



3.12.2.19 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]

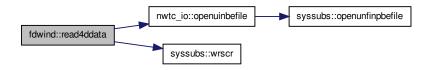
Definition at line 36699 of file tempassembled.f90.

Here is the call graph for this function:



3.12.2.20 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]

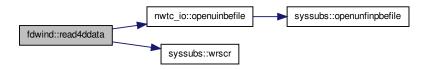
Definition at line 22829 of file tempassembled.f90.



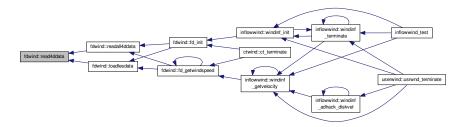
3.12.2.21 subroutine fdwind::read4ddata (integer, intent(in) *UnWind*, character(*), intent(in) *FileName*, real(reki), dimension (:,:,:,:), intent(inout) *Comp*, integer, intent(in) *Indx4*, real(reki), intent(in) *Scale*, real(reki), intent(in) *Offset*, integer, intent(out) *ErrStat*) [private]

Definition at line 8959 of file tempassembled.f90.

Here is the call graph for this function:



Here is the caller graph for this function:



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

Definition at line 36548 of file tempassembled.f90.



3.12.2.23 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:



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

Definition at line 22678 of file tempassembled.f90.

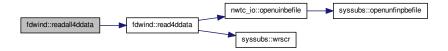
Here is the call graph for this function:



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

Definition at line 36627 of file tempassembled.f90.

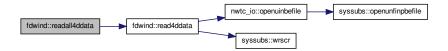
Here is the call graph for this function:



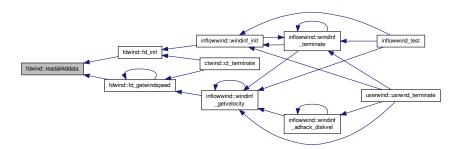
3.12.2.26 subroutine fdwind::readall4ddata (integer, intent(in) UnWind, integer, intent(out) ErrStat) [private]

Definition at line 8887 of file tempassembled.f90.

Here is the call graph for this function:

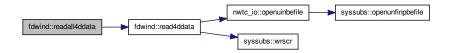


Here is the caller graph for this function:



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

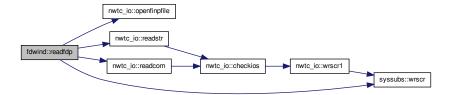
Definition at line 22757 of file tempassembled.f90.



3.12.2.28 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.

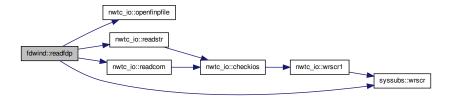
Here is the call graph for this function:



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

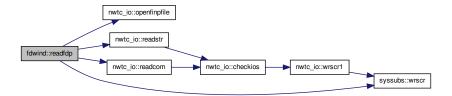
Definition at line 22417 of file tempassembled.f90.

Here is the call graph for this function:

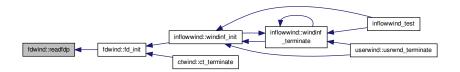


3.12.2.30 subroutine fdwind::readfdp (integer, intent(in) *UnWind*, character(*), intent(in) *FileName*, character(*), intent(out) *FDTSfile*, integer, intent(out) *ErrStat*) [private]

Definition at line 8547 of file tempassembled.f90.



Here is the caller 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.

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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_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.

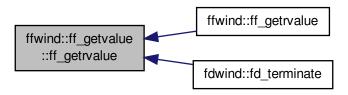
3.13.2 Member Function/Subroutine Documentation

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 38818 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 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)

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)

Private Attributes

- real(reki), dimension(:,:,:,:), allocatable ffdata
- real(reki), dimension(:,:,:), allocatable fftower
- real(reki) ffdtime
- 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

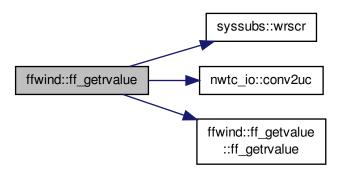
Definition at line 9475 of file tempassembled.f90.

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.

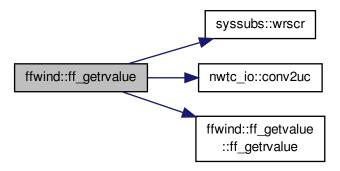
Here is the call graph for this function:



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.

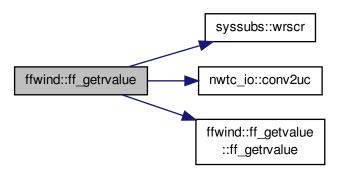
Here is the call graph for this function:



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

Definition at line 38818 of file tempassembled.f90.

Here is the call graph for this function:

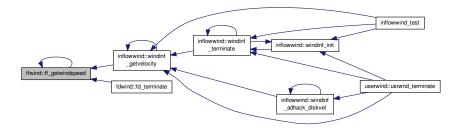


3.14.2.4 type(inflintrpout) function, public ffwind::ff_getwindspeed (real(reki), intent(in) *Time*, real(reki), dimension(3), intent(in) *InputPosition*, integer, intent(out) *ErrStat*)

Definition at line 11133 of file tempassembled.f90.

Here is the call graph for this function:





3.14.2.5 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 25003 of file tempassembled.f90.

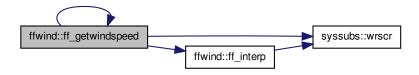
Here is the call graph for this function:



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

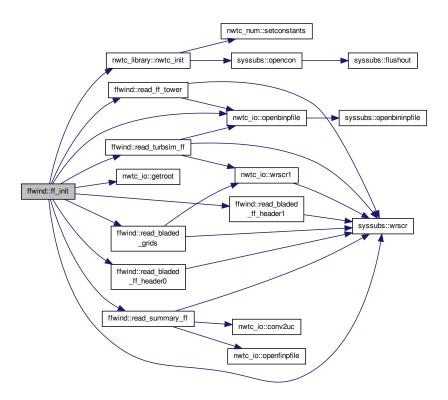
Definition at line 38873 of file tempassembled.f90.

Here is the call graph for this function:

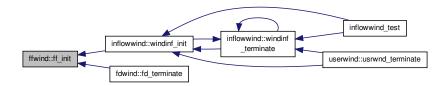


3.14.2.7 subroutine, public ffwind::ff_init (integer, intent(in) *UnWind*, character(*), intent(in) *BinFile*, integer, intent(out) *ErrStat*)

Definition at line 9535 of file tempassembled.f90.

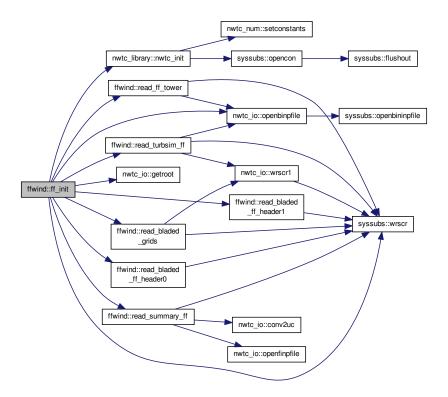


Here is the caller graph for this function:



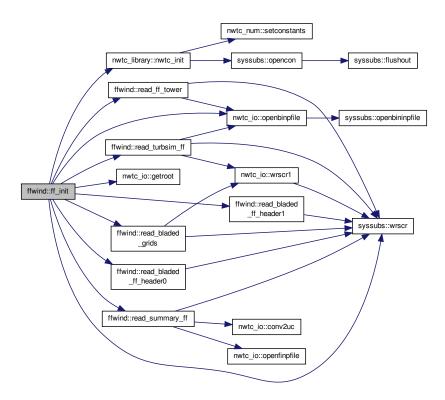
3.14.2.8 subroutine, public ffwind::ff_init (integer, intent(in) *UnWind*, character(*), intent(in) *BinFile*, integer, intent(out) *ErrStat*)

Definition at line 37275 of file tempassembled.f90.



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

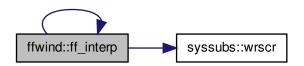
Definition at line 23405 of file tempassembled.f90.



3.14.2.10 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]

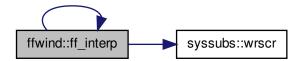
Definition at line 38935 of file tempassembled.f90.

Here is the call graph for this function:

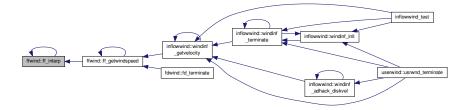


3.14.2.11 real(reki) function, dimension(3) ffwind::ff_interp (real(reki), intent(in) *Time*, real(reki), dimension(3), intent(in) *Position*, integer, intent(out) *ErrStat*) [private]

Definition at line 11195 of file tempassembled.f90.



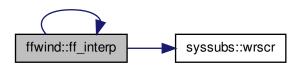
Here is the caller graph for this function:



3.14.2.12 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]

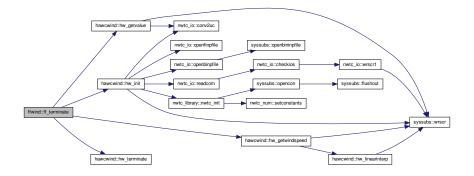
Definition at line 25065 of file tempassembled.f90.

Here is the call graph for this function:



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

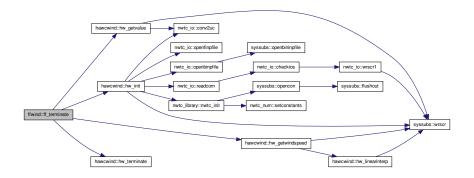
Definition at line 39236 of file tempassembled.f90.



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

Definition at line 25366 of file tempassembled.f90.

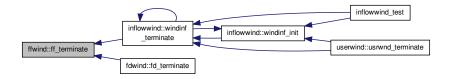
Here is the call graph for this function:



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

Definition at line 11496 of file tempassembled.f90.

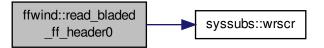
Here is the caller graph for this function:



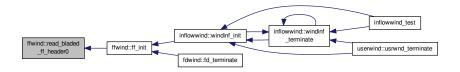
 $\textbf{3.14.2.16} \quad \textbf{subroutine ffwind::read_bladed_ff_header0 (integer, intent(in) \textit{UnWind,} integer, intent(out) \textit{ErrStat}) \quad [\texttt{private}]$

Definition at line 9715 of file tempassembled.f90.

Here is the call graph for this function:



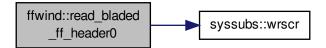
Here is the caller graph for this function:



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

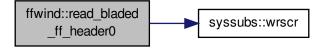
Definition at line 23585 of file tempassembled.f90.

Here is the call graph for this function:



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

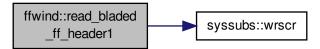
Definition at line 37455 of file tempassembled.f90.



3.14.2.19 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.

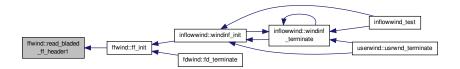
Here is the call graph for this function:



3.14.2.20 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.

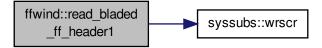




3.14.2.21 subroutine ffwind::read_bladed_ff_header1 (integer, intent(in) *UnWind*, real(reki), dimension(3), intent(out) *TI*, integer, intent(out) *ErrStat*) [private]

Definition at line 23725 of file tempassembled.f90.

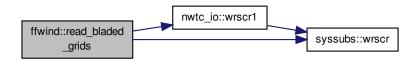
Here is the call graph for this function:



3.14.2.22 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 24065 of file tempassembled.f90.

Here is the call graph for this function:

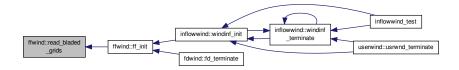


3.14.2.23 subroutine ffwind::read_bladed_grids (integer, intent(in) *UnWind*, logical, intent(in) *CWise*, real(reki), dimension (3), intent(in) *TI*, integer, intent(out) *ErrStat*) [private]

Definition at line 10195 of file tempassembled.f90.



Here is the caller graph for this function:



3.14.2.24 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]

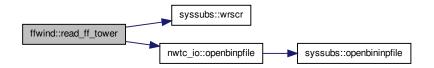
Definition at line 37935 of file tempassembled.f90.

Here is the call graph for this function:



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

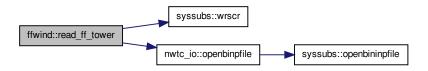
Definition at line 24743 of file tempassembled.f90.



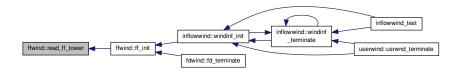
3.14.2.26 subroutine ffwind::read_ff_tower (integer, intent(in) *UnWind*, character(*), intent(in) *WindFile*, integer, intent(out) *ErrStat*) [private]

Definition at line 10873 of file tempassembled.f90.

Here is the call graph for this function:

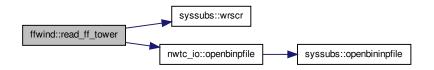


Here is the caller graph for this function:



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

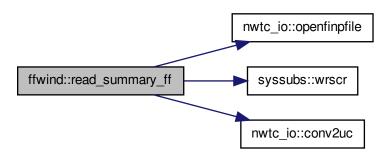
Definition at line 38613 of file tempassembled.f90.



3.14.2.28 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]

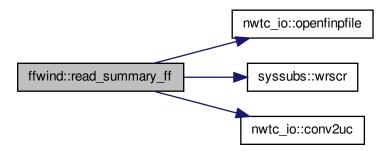
Definition at line 24203 of file tempassembled.f90.

Here is the call graph for this function:



3.14.2.29 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]

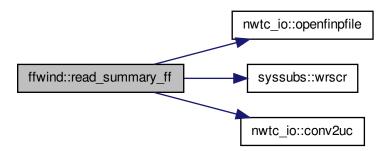
Definition at line 38073 of file tempassembled.f90.

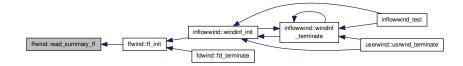


3.14.2.30 subroutine ffwind::read_summary_ff (integer, intent(in) *UnWind*, character(*), intent(in) *FileName*, logical, intent(out) *CWise*, real(reki), intent(out) *ZCenter*, real(reki), dimension (3), intent(out) *TI*, integer, intent(out) *ErrStat*) [private]

Definition at line 10333 of file tempassembled.f90.

Here is the call graph for this function:

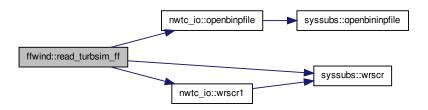




3.14.2.31 subroutine ffwind::read_turbsim_ff (integer, intent(in) *UnWind,* character(*), intent(in) *WindFile,* integer, intent(out) *ErrStat*) [private]

Definition at line 24437 of file tempassembled.f90.

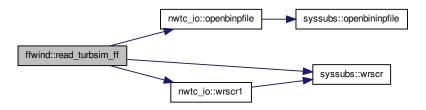
Here is the call graph for this function:



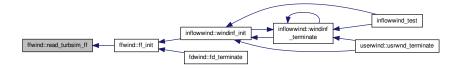
3.14.2.32 subroutine ffwind::read_turbsim_ff (integer, intent(in) *UnWind*, character(*), intent(in) *WindFile*, integer, intent(out) *ErrStat*) [private]

Definition at line 10567 of file tempassembled.f90.

Here is the call graph for this function:

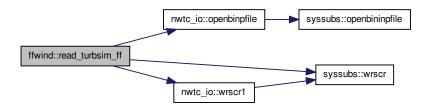


Here is the caller graph for this function:



3.14.2.33 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.



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::ffdtime [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.

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3.14.3.11 real(reki) ffwind::invffzd [private]
Definition at line 9508 of file tempassembled.f90.
3.14.3.12 real(reki) ffwind::invmffws [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.
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• 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)

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

- 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)

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.

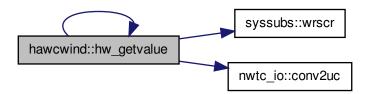
3.15.1 Detailed Description

Definition at line 11515 of file tempassembled.f90.

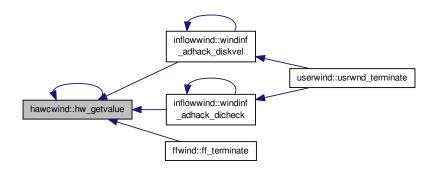
3.15.2 Member Function/Subroutine Documentation

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.

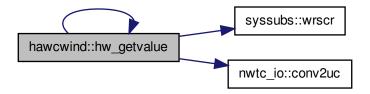


Here is the caller graph for this function:



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

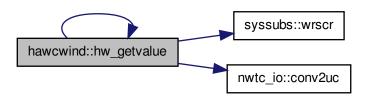
Definition at line 25754 of file tempassembled.f90.



3.15.2.3 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:



3.15.2.4 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:



3.15.2.5 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 39679 of file tempassembled.f90.



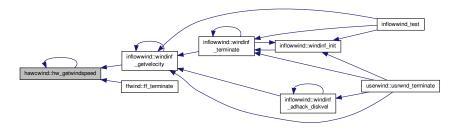
3.15.2.6 type(inflintrpout) function, public hawcwind::hw_getwindspeed (real(reki), intent(in) *Time*, real(reki), dimension(3), intent(in) *InputPosition*, integer, intent(out) *ErrStat*)

Definition at line 11939 of file tempassembled.f90.

Here is the call graph for this function:

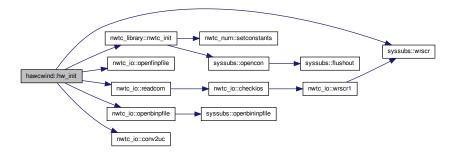


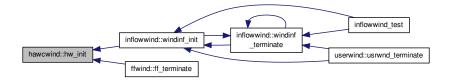
Here is the caller graph for this function:



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

Definition at line 11563 of file tempassembled.f90.

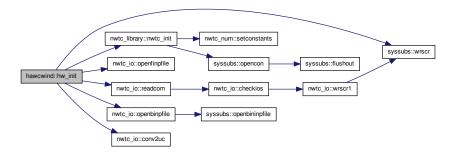




3.15.2.8 subroutine, public hawcwind::hw_init (integer, intent(in) *UnWind*, character(*), intent(in) *InpFileName*, integer, intent(out) *ErrStat*)

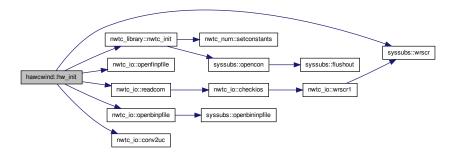
Definition at line 39303 of file tempassembled.f90.

Here is the call graph for this function:



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

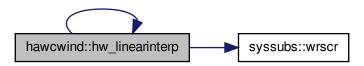
Definition at line 25433 of file tempassembled.f90.



3.15.2.10 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:



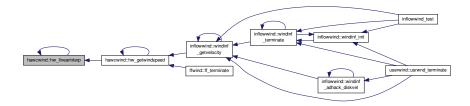
3.15.2.11 real(reki) function, dimension(3) hawcwind::hw_linearinterp (real(reki), intent(in) *Time*, real(reki), dimension(3), intent(in) *Position*, integer, intent(out) *ErrStat*) [private]

Definition at line 11973 of file tempassembled.f90.

Here is the call graph for this function:



Here is the caller graph for this function:



3.15.2.12 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]

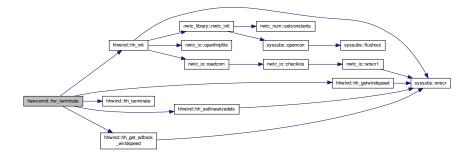
Definition at line 39713 of file tempassembled.f90.



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

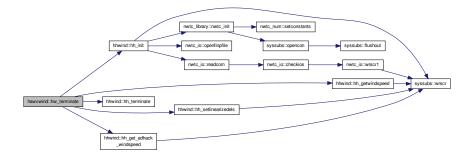
Definition at line 39918 of file tempassembled.f90.

Here is the call graph for this function:



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

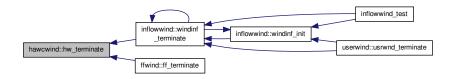
Definition at line 26048 of file tempassembled.f90.



3.15.2.15 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:



3.15.3 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 hawcwind::initialized = .FALSE. [private]

Definition at line 11553 of file tempassembled.f90.

3.15.3.6 real(reki) hawcwind::lengthx [private]

Definition at line 11547 of file tempassembled.f90.

3.15.3.7 real(reki) hawcwind::lengthyhalf [private]

Definition at line 11548 of file tempassembled.f90.

3.15.3.8 integer parameter hawcwind::nc = 3 [private]

Definition at line 11541 of file tempassembled.f90.

3.15.3.9 integer hawcwind::nx [private]

Definition at line 11542 of file tempassembled.f90.

3.15.3.10 integer hawcwind::ny [private]

Definition at line 11543 of file tempassembled.f90.

3.15.3.11 integer hawcwind::nz [private]

Definition at line 11544 of file tempassembled.f90.

3.15.3.12 real(reki) hawcwind::refht [private]

Definition at line 11549 of file tempassembled.f90.

3.15.3.13 real(reki) hawcwind::uref [private]

Definition at line 11550 of file tempassembled.f90.

3.15.3.14 real(reki), dimension (;,;;;), allocatable hawcwind::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)

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.

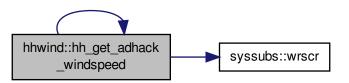
3.17.1 Detailed Description

Definition at line 12195 of file tempassembled.f90.

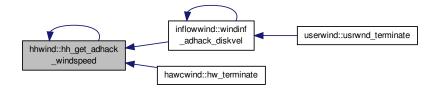
- 3.17.2 Member Function/Subroutine Documentation
- 3.17.2.1 type(inflintrpout) function, public hhwind::hh_get_adhack_windspeed (real(reki), intent(in) *Time*, real(reki), dimension(3), intent(in) *InputPosition*, integer, intent(out) *ErrStat*)

Definition at line 12655 of file tempassembled.f90.

Here is the call graph for this function:

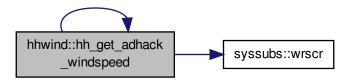


Here is the caller graph for this function:



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*)

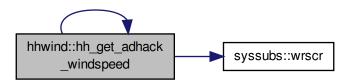
Definition at line 26525 of file tempassembled.f90.



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 40395 of file tempassembled.f90.

Here is the call graph for this function:

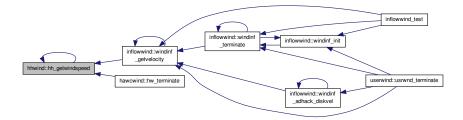


3.17.2.4 type(inflintrpout) function, public hhwind::hh_getwindspeed (real(reki), intent(in) *Time*, real(reki), dimension(3), intent(in) *InputPosition*, integer, intent(out) *ErrStat*)

Definition at line 12524 of file tempassembled.f90.

Here is the call graph for this function:

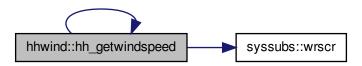




3.17.2.5 type(inflintrpout) function, public hhwind::hh_getwindspeed (real(reki), intent(in) *Time*, real(reki), dimension(3), intent(in) *InputPosition*, integer, intent(out) *ErrStat*)

Definition at line 40264 of file tempassembled.f90.

Here is the call graph for this function:



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

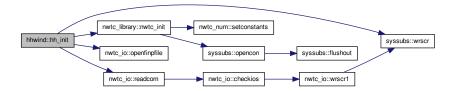
Definition at line 26394 of file tempassembled.f90.

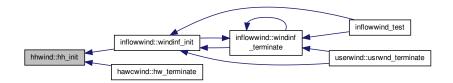
Here is the call graph for this function:



3.17.2.7 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.

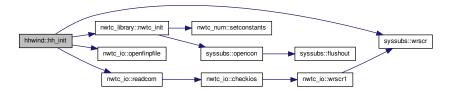




3.17.2.8 subroutine, public hhwind::hh_init (integer, intent(in) *UnWind*, character(*), intent(in) *WindFile*, type(hh_info), intent(in) *WindInfo*, integer, intent(out) *ErrStat*)

Definition at line 39997 of file tempassembled.f90.

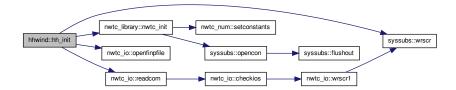
Here is the call graph for this function:



3.17.2.9 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 26127 of file tempassembled.f90.

Here is the call graph for this function:



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

Definition at line 26618 of file tempassembled.f90.



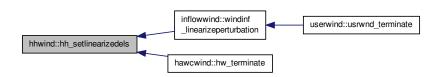
3.17.2.11 subroutine, public hhwind::hh_setlinearizedels (real(reki), dimension(7), intent(in) *Perturbations,* integer, intent(out) *ErrStat*)

Definition at line 12748 of file tempassembled.f90.

Here is the call graph for this function:



Here is the caller graph for this function:



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

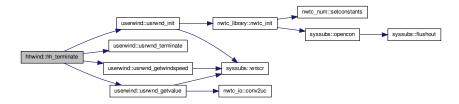
Definition at line 40488 of file tempassembled.f90.



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

Definition at line 40514 of file tempassembled.f90.

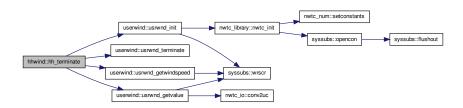
Here is the call graph for this function:



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

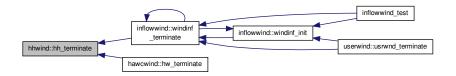
Definition at line 26644 of file tempassembled.f90.

Here is the call graph for this function:



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

Definition at line 12774 of file tempassembled.f90.



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(inflintrpout) 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(inflintrpout) 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(inflintrpout) 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)

Public Attributes

• character(99), parameter windinfver = '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)

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.

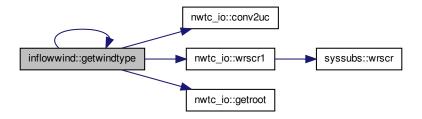
3.20.2 Member Function/Subroutine Documentation

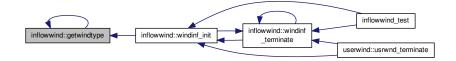
3.20.2.1 integer function inflowwind::getwindtype (character(*), intent(inout) FileName, integer, intent(out) ErrStat)

[private]

Definition at line 13273 of file tempassembled.f90.

Here is the call graph for this function:



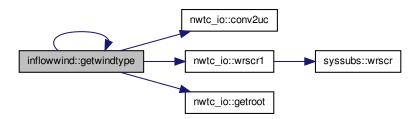


3.20.2.2 integer function inflowwind::getwindtype (character(*), intent(inout) FileName, integer, intent(out) ErrStat)

[private]

Definition at line 27143 of file tempassembled.f90.

Here is the call graph for this function:

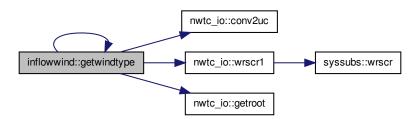


3.20.2.3 integer function inflowwind::getwindtype (character(*), intent(inout) FileName, integer, intent(out) ErrStat)

[private]

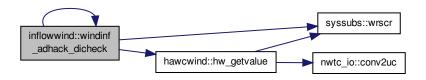
Definition at line 41013 of file tempassembled.f90.

Here is the call graph for this function:



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

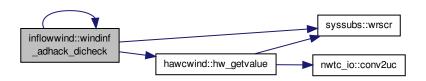
Definition at line 41283 of file tempassembled.f90.



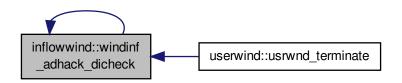
3.20.2.5 real(reki) function, public inflowwind::windinf_adhack_dicheck (integer, intent(out) ErrStat)

Definition at line 13543 of file tempassembled.f90.

Here is the call graph for this function:

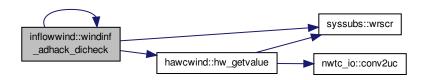


Here is the caller graph for this function:



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

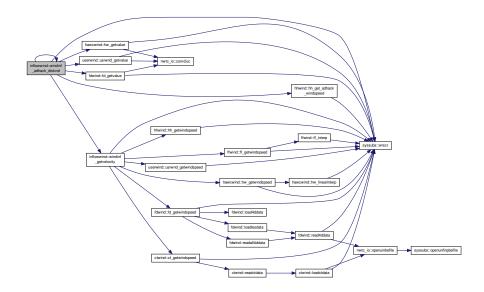
Definition at line 27413 of file tempassembled.f90.



3.20.2.7 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*)

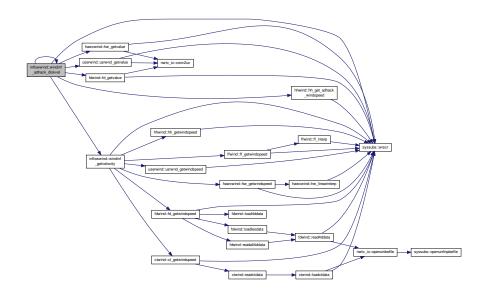
Definition at line 41163 of file tempassembled.f90.

Here is the call graph for this function:

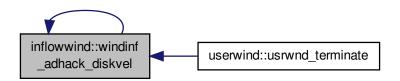


3.20.2.8 real(reki) function, dimension(3), public inflowwind::windinf_adhack_diskvel (real(reki), intent(in) *Time*, real(reki), dimension(3), intent(in) *InpPosition*, integer, intent(out) *ErrStat*)

Definition at line 13423 of file tempassembled.f90.

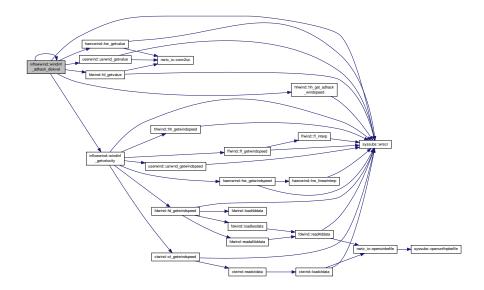


Here is the caller graph for this function:



3.20.2.9 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*)

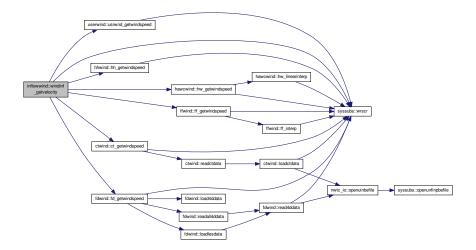
Definition at line 27293 of file tempassembled.f90.



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

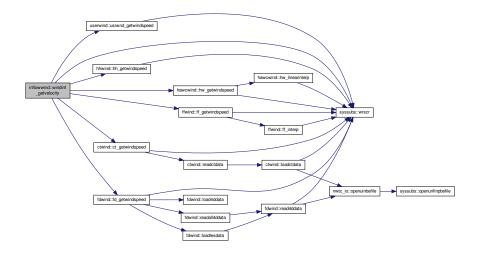
Definition at line 27080 of file tempassembled.f90.

Here is the call graph for this function:



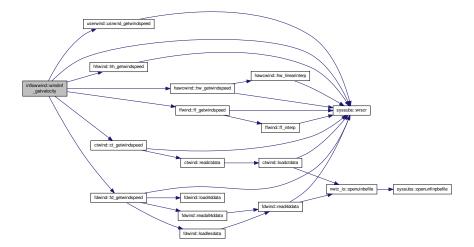
3.20.2.11 type(inflintrpout) function, public inflowwind::windinf_getvelocity (real(reki), intent(in) *Time*, real(reki), dimension(3), intent(in) *InputPosition*, integer, intent(out) *ErrStat*)

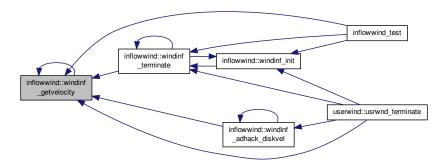
Definition at line 40950 of file tempassembled.f90.



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

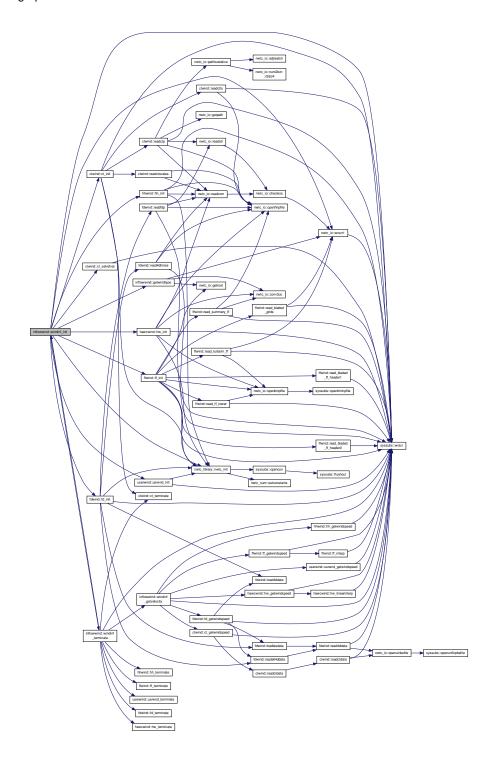
Definition at line 13210 of file tempassembled.f90.





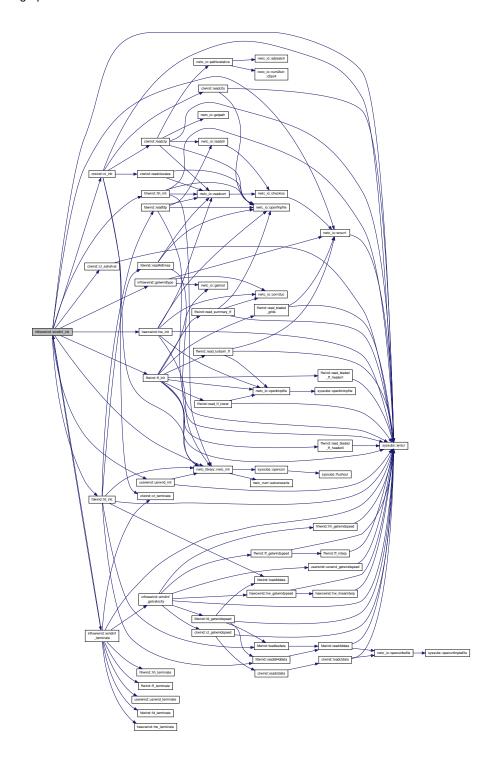
3.20.2.13 subroutine, public inflowwind::windinf_init (type(inflinitinfo), intent(in) *FileInfo*, integer, intent(out) *ErrStat*)

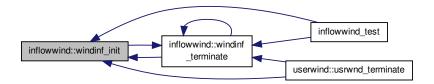
Definition at line 26948 of file tempassembled.f90.



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

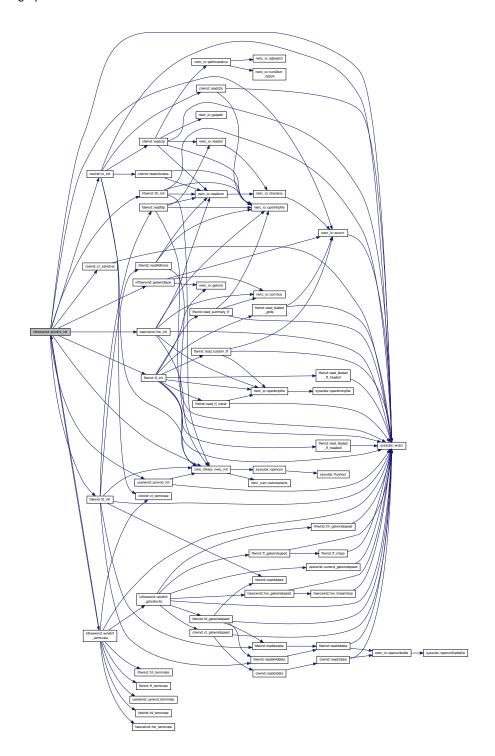
Definition at line 13078 of file tempassembled.f90.





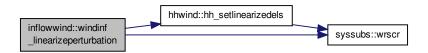
3.20.2.15 subroutine, public inflowwind::windinf_init (type(inflinitinfo), intent(in) FileInfo, integer, intent(out) ErrStat)

Definition at line 40818 of file tempassembled.f90.



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

Definition at line 27258 of file tempassembled.f90.



3.20.2.17 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:

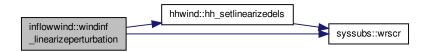


Here is the caller graph for this function:



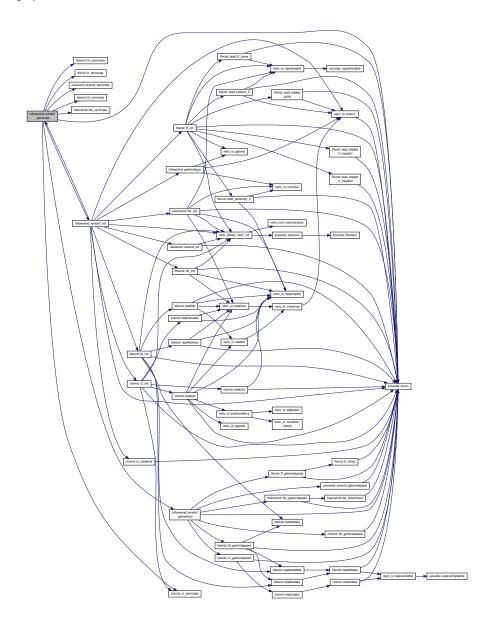
3.20.2.18 subroutine, public inflowwind::windinf_linearizeperturbation (real(reki), dimension(7), intent(in) *LinPerturbations*, integer, intent(out) *ErrStat*)

Definition at line 41128 of file tempassembled.f90.



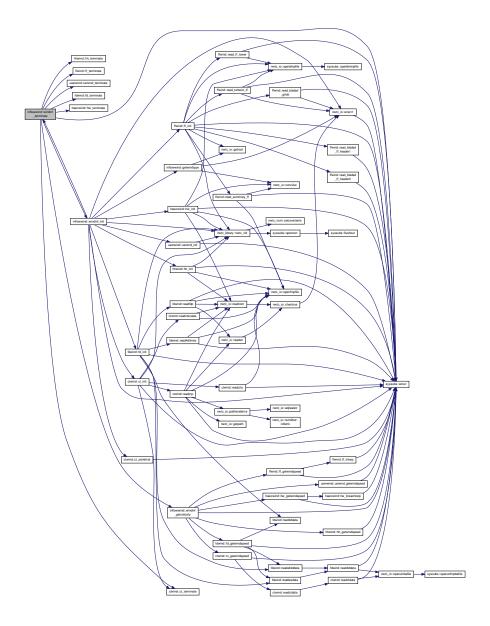
3.20.2.19 subroutine, public inflowwind::windinf_terminate (integer, intent(out) ErrStat)

Definition at line 41323 of file tempassembled.f90.



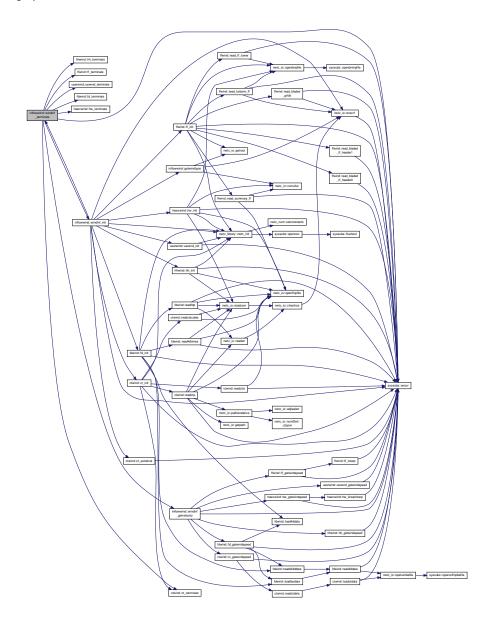
3.20.2.20 subroutine, public inflowwind::windinf_terminate (integer, intent(out) ErrStat)

Definition at line 27453 of file tempassembled.f90.

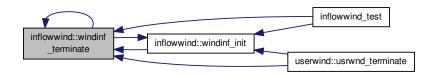


3.20.2.21 subroutine, public inflowwind::windinf_terminate (integer, intent(out) ErrStat)

Definition at line 13583 of file tempassembled.f90.



Here is the caller graph for this function:



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 integer inflowwind::unwind = 91 [private]

Definition at line 13047 of file tempassembled.f90.

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

Definition at line 13074 of file tempassembled.f90.

3.20.3.4 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 interpoinreal (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)

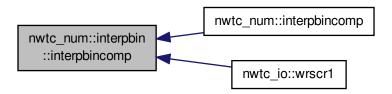
3.21.1 Detailed Description

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.



3.21.2.2 complex(reki) function nwtc_num::interpbin::interpbincomp (real(reki), intent(in) XVaI, 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 18916 of file tempassembled.f90.

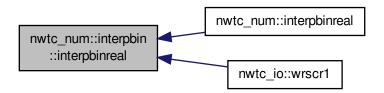
3.21.2.4 real(reki) function nwtc_num::interpbin::interpbinreal (real(reki), intent(in) XVal, real(reki), dimension (arylen), intent(in) XAry, real(reki), dimension (arylen), intent(in) YAry, integer, intent(inout) ILo, integer, intent(in) AryLen)

Definition at line 18985 of file tempassembled.f90.

3.21.2.5 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 32855 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)

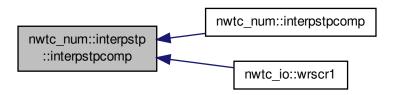
3.22.1 Detailed Description

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(in) the integer, intent(in) AryLen)

Definition at line 19053 of file tempassembled.f90.

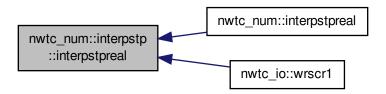
3.22.2.4 real(reki) function nwtc_num::interpstp::interpstpreal (real(reki), intent(in) XVal, real(reki), dimension (arylen), intent(in) XAry, real(reki), dimension (arylen), intent(in) YAry, integer, intent(inout) Ind, integer, intent(in) AryLen)

Definition at line 19123 of file tempassembled.f90.

3.22.2.5 real(reki) function nwtc_num::interpstp::interpstpreal (real(reki), intent(in) XVaI, 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:



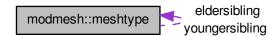
3.22.2.6 real(reki) function nwtc_num::interpstp::interpstpreal (real(reki), intent(in) XVal, real(reki), dimension (arylen), intent(in) XAry, real(reki), dimension (arylen), intent(in) YAry, integer, intent(inout) Ind, integer, intent(in) AryLen)

Definition at line 32993 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.

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

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)

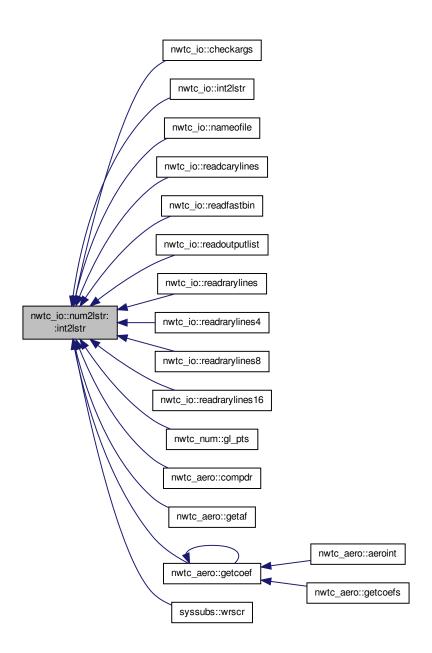
3.25.1 Detailed Description

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.



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.

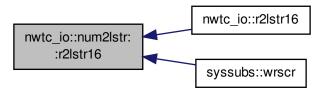
3.25.2.4 character(15) function nwtc_io::num2lstr::r2lstr16 (real(quki), intent(in) FltNum)

Definition at line 16833 of file tempassembled.f90.

3.25.2.5 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:

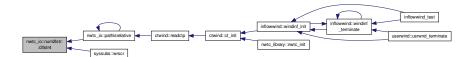


3.25.2.6 character(15) function nwtc_io::num2lstr::r2lstr16 (real(quki), intent(in) FltNum)

Definition at line 30703 of file tempassembled.f90.

3.25.2.7 nwtc_io::num2lstr::r2lstr4 ()

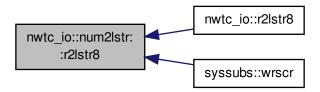
Here is the caller graph for this function:



- 3.25.2.8 nwtc_io::num2lstr::r2lstr4 ()
- 3.25.2.9 nwtc_io::num2lstr::r2lstr4 ()

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

Definition at line 2928 of file tempassembled.f90.



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

Definition at line 16798 of file tempassembled.f90.

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

Definition at line 30668 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, CmInt, 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, CmInt, 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, CmInt, CpminInt, DoCl, DoCd, DoCm, DoCpmin, ErrStat)

Public Attributes

- logical usecm = .FALSE.
- logical usecpmin = .FALSE.

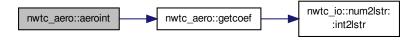
3.26.1 Detailed Description

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 (eImtable), intent(inout) *AF_Table,* type (aerodata), intent(out) *IntData,* logical, intent(in) *DoCl,* 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 (eImtable), intent(inout) *AF_Table*, type (aerodata), intent(out) *IntData*, logical, intent(in) *DoCl*, 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) *DoCm,* logical, intent(in) *DoCpmin,* integer, intent(out), optional *ErrStat*)

Definition at line 19902 of file tempassembled.f90.

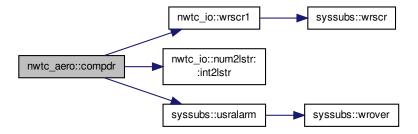
Here is the call graph for this function:



3.26.2.4 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*)

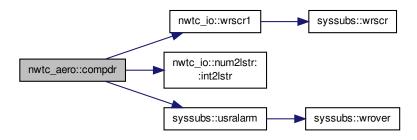
Definition at line 6221 of file tempassembled.f90.

Here is the call graph for this function:



3.26.2.5 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)

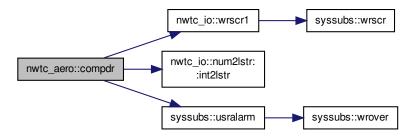
Definition at line 33961 of file tempassembled.f90.



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)

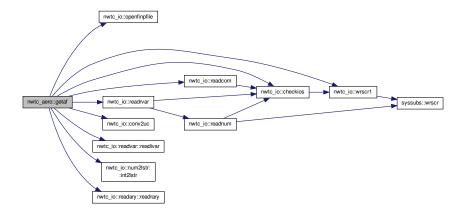
Definition at line 20091 of file tempassembled.f90.

Here is the call graph for this function:



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

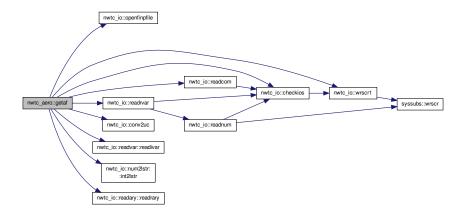
Definition at line 34060 of file tempassembled.f90.



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

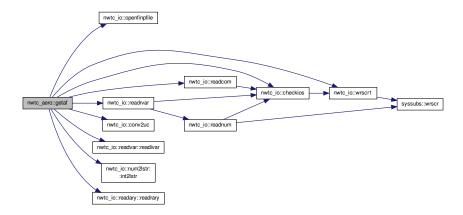
Definition at line 20190 of file tempassembled.f90.

Here is the call graph for this function:



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

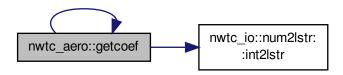
Definition at line 6320 of file tempassembled.f90.



3.26.2.10 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*)

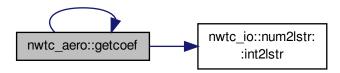
Definition at line 20730 of file tempassembled.f90.

Here is the call graph for this function:

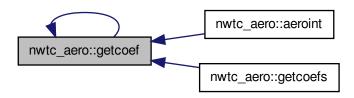


3.26.2.11 real(reki) function nwtc_aero::getcoef (integer, intent(in) *ISeg,* real(reki), intent(in) *Alpha,* real(reki), dimension (numrows), intent(in) *AlfaTab,* real(reki), dimension (numrows), intent(in) *CoefTab,* integer, intent(in) *NumRows,* integer, intent(inout) *Ind,* integer, intent(out),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

Definition at line 6860 of file tempassembled.f90.



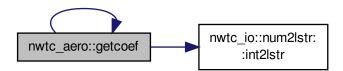
Here is the caller graph for this function:



3.26.2.12 real(reki) function nwtc_aero::getcoef (integer, intent(in) *ISeg,* real(reki), intent(in) *Alpha,* 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.

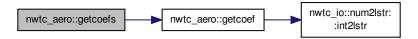
Here is the call graph for this function:



3.26.2.13 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) *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:



3.26.2.14 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) *DoCd*, logical, intent(in) *DoCm*, logical, intent(in) *DoCpmin*, integer, intent(out), optional *ErrStat*)

Definition at line 34651 of file tempassembled.f90.

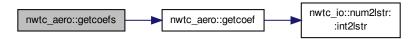
Here is the call graph for this function:



3.26.2.15 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) *CpminInt*, 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:



3.26.3 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.

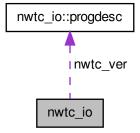
Definition at line 6026 of file tempassembled.f90.

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 progdesc
- · 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 readlyar (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 readlyar (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 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
- integer(intki), parameter flgtype = 1
- integer(intki), parameter numtype = 2
- integer(intki), parameter strtype = 3
- integer unec = 19
- logical beep = .TRUE.
- logical echo = .FALSE.
- type(progdesc), parameter nwtc_ver = ProgDesc('NWTC Subroutine Library', 'v1.06.00b-bjj', '07-Dec-2012')
- character(20) progname = ' '
- character(99) progver
- character(1), parameter tab = CHAR(9)

3.27.1 Detailed Description

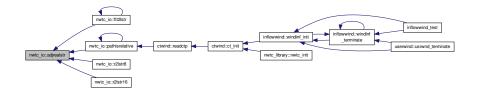
Definition at line 927 of file tempassembled.f90.

3.27.2 Member Function/Subroutine Documentation

3.27.2.1 subroutine nwtc_io::adjrealstr (character(*), intent(inout) NumStr)

Definition at line 1117 of file tempassembled.f90.

Here is the caller graph for this function:



3.27.2.2 subroutine nwtc_io::adjrealstr (character(*), intent(inout) NumStr)

Definition at line 14987 of file tempassembled.f90.

3.27.2.3 subroutine nwtc_io::adjrealstr (character(*), intent(inout) NumStr)

Definition at line 28857 of file tempassembled.f90.

3.27.2.4 subroutine nwtc_io::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.

3.27.2.5 subroutine nwtc_io::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.

3.27.2.6 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.

3.27.2.7 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.

3.27.2.8 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.

3.27.2.9 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 1193 of file tempassembled.f90.

3.27.2.10 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.

3.27.2.11 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.

3.27.2.12 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.

3.27.2.13 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.

3.27.2.14 subroutine nwtc_io::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.

3.27.2.15 subroutine nwtc_io::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.

3.27.2.16 subroutine nwtc_io::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.

3.27.2.17 subroutine nwtc_io::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.

3.27.2.18 subroutine nwtc_io::alliary2 (integer, dimension (:,:), allocatable *Ary,* integer, intent(in) *AryDim1,* integer, intent(in) *Descr,* integer, intent(out), optional *ErrStat*)

Definition at line 1294 of file tempassembled.f90.

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

Definition at line 29067 of file tempassembled.f90.

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

Definition at line 15197 of file tempassembled.f90.

3.27.2.21 subroutine nwtc_io::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 1327 of file tempassembled.f90.

3.27.2.22 subroutine nwtc_io::alllary1 (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.

3.27.2.23 subroutine nwtc_io::alllary1 (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.

3.27.2.24 subroutine nwtc_io::alllary1 (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.

3.27.2.25 subroutine nwtc_io::alllary2 (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.

3.27.2.26 subroutine nwtc_io::alllary2 (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.

3.27.2.27 subroutine nwtc_io::alllary2 (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.

3.27.2.28 subroutine nwtc_io::alllary3 (logical, dimension (:,;,:), allocatable *Ary*, integer, intent(in) *AryDim1*, integer, intent(in) *AryDim3*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 29171 of file tempassembled.f90.

3.27.2.29 subroutine nwtc_io::alllary3 (logical, dimension (:,;,:), allocatable *Ary*, integer, intent(in) *AryDim1*, integer, intent(in) *AryDim3*, character(*), intent(in) *Descr*, integer, intent(out), optional *ErrStat*)

Definition at line 1431 of file tempassembled.f90.

3.27.2.30 subroutine nwtc_io::alllary3 (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.

3.27.2.31 subroutine nwtc_io::allrary1 (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.

3.27.2.32 subroutine nwtc_io::allrary1 (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.

3.27.2.33 subroutine nwtc_io::allrary1 (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.

3.27.2.34 subroutine nwtc_io::allrary2 (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.

3.27.2.35 subroutine nwtc_io::allrary2 (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.

3.27.2.36 subroutine nwtc_io::allrary2 (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.

3.27.2.37 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 29276 of file tempassembled.f90.

3.27.2.38 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 15406 of file tempassembled.f90.

3.27.2.39 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.

3.27.2.40 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.

3.27.2.41 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)

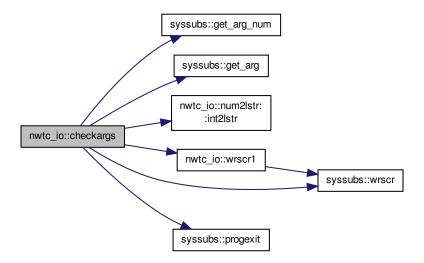
Definition at line 15442 of file tempassembled.f90.

3.27.2.42 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.

3.27.2.43 subroutine nwtc_io::checkargs (character(*), intent(inout) InputFile, integer, intent(out), optional ErrStat)

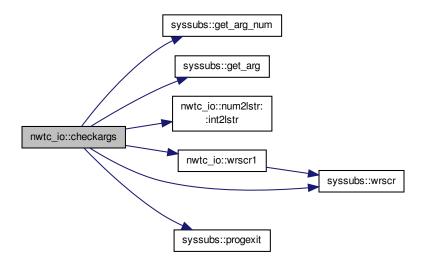
Definition at line 1660 of file tempassembled.f90.



3.27.2.44 subroutine nwtc_io::checkargs (character(*), intent(inout) InputFile, integer, intent(out), optional ErrStat)

Definition at line 29400 of file tempassembled.f90.

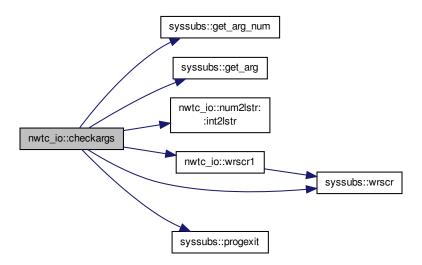
Here is the call graph for this function:



3.27.2.45 subroutine nwtc_io::checkargs (character(*), intent(inout) InputFile, integer, intent(out), optional ErrStat)

Definition at line 15530 of file tempassembled.f90.

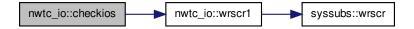
Here is the call graph for this function:



3.27.2.46 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)

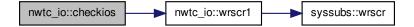
Definition at line 29350 of file tempassembled.f90.

Here is the call graph for this function:



3.27.2.47 subroutine nwtc_io::checkios (integer, intent(in) *IOS*, character(*), intent(in) *Fil*, character(*), intent(in) *VarType*, logical, intent(in), optional *TrapErrors*)

Definition at line 15480 of file tempassembled.f90.



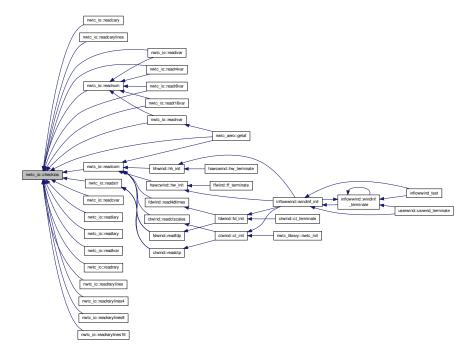
3.27.2.48 subroutine nwtc_io::checkios (integer, intent(in) *IOS*, character(*), intent(in) *Fil*, character(*), intent(in) *Variable*, integer, intent(in) *VarType*, logical, intent(in), optional *TrapErrors*)

Definition at line 1610 of file tempassembled.f90.

Here is the call graph for this function:



Here is the caller graph for this function:



3.27.2.49 subroutine nwtc_io::closeecho ()

Definition at line 1747 of file tempassembled.f90.

3.27.2.50 subroutine nwtc_io::closeecho()

Definition at line 29487 of file tempassembled.f90.

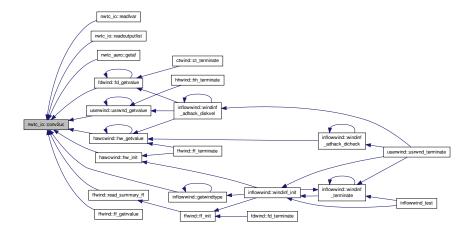
3.27.2.51 subroutine nwtc_io::closeecho ()

Definition at line 15617 of file tempassembled.f90.

3.27.2.52 subroutine nwtc_io::conv2uc (character(*), intent(inout) Str)

Definition at line 1757 of file tempassembled.f90.

Here is the caller graph for this function:



3.27.2.53 subroutine nwtc_io::conv2uc (character(*), intent(inout) Str)

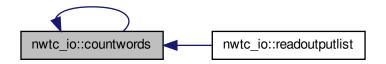
Definition at line 29497 of file tempassembled.f90.

3.27.2.54 subroutine nwtc_io::conv2uc (character(*), intent(inout) Str)

Definition at line 15627 of file tempassembled.f90.

3.27.2.55 integer function nwtc_io::countwords (character(*), intent(in) Line)

Definition at line 1788 of file tempassembled.f90.



3.27.2.56 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:



3.27.2.57 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:



3.27.2.58 character(11) function nwtc_io::curdate ()

Definition at line 1847 of file tempassembled.f90.



3.27.2.59 character(11) function nwtc_io::curdate ()

Definition at line 29587 of file tempassembled.f90.

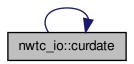
Here is the call graph for this function:



3.27.2.60 character(11) function nwtc_io::curdate()

Definition at line 15717 of file tempassembled.f90.

Here is the call graph for this function:



3.27.2.61 character(8) function nwtc_io::curtime ()

Definition at line 29652 of file tempassembled.f90.



3.27.2.62 character(8) function nwtc_io::curtime ()

Definition at line 1912 of file tempassembled.f90.

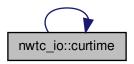
Here is the caller graph for this function:



3.27.2.63 character(8) function nwtc_io::curtime ()

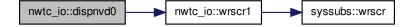
Definition at line 15782 of file tempassembled.f90.

Here is the call graph for this function:



3.27.2.64 subroutine nwtc_io::dispnvd0 ()

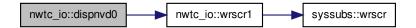
Definition at line 29677 of file tempassembled.f90.



3.27.2.65 subroutine nwtc_io::dispnvd0 ()

Definition at line 1937 of file tempassembled.f90.

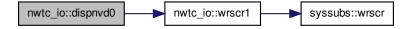
Here is the call graph for this function:



3.27.2.66 subroutine nwtc_io::dispnvd0 ()

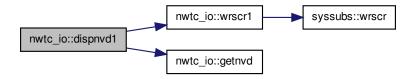
Definition at line 15807 of file tempassembled.f90.

Here is the call graph for this function:



3.27.2.67 subroutine nwtc_io::dispnvd1 (type(progdesc), intent(in) ProgInfo)

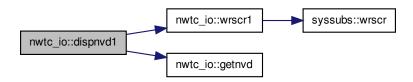
Definition at line 29691 of file tempassembled.f90.



3.27.2.68 subroutine nwtc_io::dispnvd1 (type(progdesc), intent(in) Proglnfo)

Definition at line 1951 of file tempassembled.f90.

Here is the call graph for this function:



3.27.2.69 subroutine nwtc_io::dispnvd1 (type(progdesc), intent(in) ProgInfo)

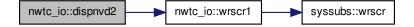
Definition at line 15821 of file tempassembled.f90.

Here is the call graph for this function:



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

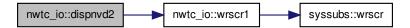
Definition at line 29709 of file tempassembled.f90.



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

Definition at line 1969 of file tempassembled.f90.

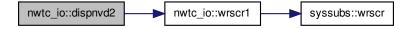
Here is the call graph for this function:



3.27.2.72 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:



3.27.2.73 character(15) function nwtc_io::flt2lstr (real(reki), intent(in) FltNum)

Definition at line 29728 of file tempassembled.f90.



3.27.2.74 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:



3.27.2.75 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:





3.27.2.76 subroutine nwtc_io::getnewunit (integer, intent(out) UnIn)

Definition at line 29766 of file tempassembled.f90.

3.27.2.77 subroutine nwtc_io::getnewunit (integer, intent(out) UnIn)

Definition at line 15896 of file tempassembled.f90.

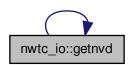
3.27.2.78 subroutine nwtc_io::getnewunit (integer, intent(out) UnIn)

Definition at line 2026 of file tempassembled.f90.

3.27.2.79 character(200) function nwtc_io::getnvd (type(progdesc), intent(in) ProgInfo)

Definition at line 29801 of file tempassembled.f90.

Here is the call graph for this function:



3.27.2.80 character(200) function nwtc_io::getnvd (type(progdesc), intent(in) ProgInfo)

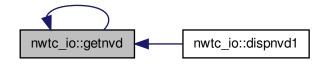
Definition at line 15931 of file tempassembled.f90.



3.27.2.81 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:



3.27.2.82 subroutine nwtc_io::getpath (character(*), intent(in) GivenFil, character(*), intent(out) PathName)

Definition at line 29825 of file tempassembled.f90.

3.27.2.83 subroutine nwtc_io::getpath (character(*), intent(in) GivenFil, character(*), intent(out) PathName)

Definition at line 15955 of file tempassembled.f90.

3.27.2.84 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:



3.27.2.85 subroutine nwtc_io::getroot (character(*), intent(in) GivenFil, character(*), intent(out) RootName)

Definition at line 29859 of file tempassembled.f90.

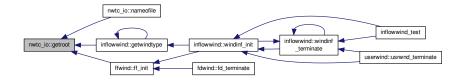
3.27.2.86 subroutine nwtc_io::getroot (character(*), intent(in) GivenFil, character(*), intent(out) RootName)

Definition at line 15989 of file tempassembled.f90.

3.27.2.87 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:



3.27.2.88 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.

3.27.2.89 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.

3.27.2.90 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.

3.27.2.91 subroutine nwtc_io::getwords (character(*), intent(in) *Line*, character(*), dimension(numwords), intent(out) *Words*, integer, intent(in) *NumWords*)

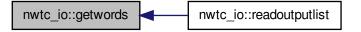
Definition at line 29965 of file tempassembled.f90.

3.27.2.92 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.

3.27.2.93 subroutine nwtc_io::getwords (character(*), intent(in) *Line*, character(*), dimension(numwords), intent(out) *Words*, integer, intent(in) *NumWords*)

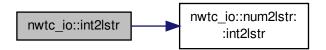
Definition at line 2225 of file tempassembled.f90.



3.27.2.94 character(11) function nwtc_io::int2lstr (integer, intent(in) Intgr)

Definition at line 2296 of file tempassembled.f90.

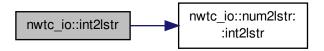
Here is the call graph for this function:



3.27.2.95 character(11) function nwtc_io::int2lstr (integer, intent(in) Intgr)

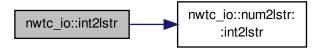
Definition at line 30036 of file tempassembled.f90.

Here is the call graph for this function:



3.27.2.96 character(11) function nwtc_io::int2lstr (integer, intent(in) Intgr)

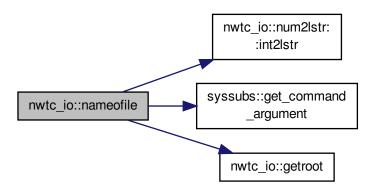
Definition at line 16166 of file tempassembled.f90.



3.27.2.97 subroutine nwtc_io::nameofile (integer, intent(in) *InArg*, character(*), intent(in) *OutExten*, character(*), intent(out) *OutFile*, integer, intent(out), optional *ErrStat*)

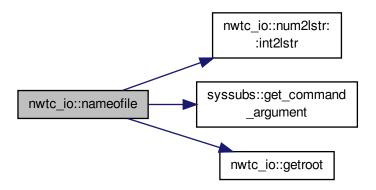
Definition at line 2320 of file tempassembled.f90.

Here is the call graph for this function:



3.27.2.98 subroutine nwtc_io::nameofile (integer, intent(in) *InArg*, character(*), intent(in) *OutExten*, character(*), intent(out) *OutFile*, integer, intent(out), optional *ErrStat*)

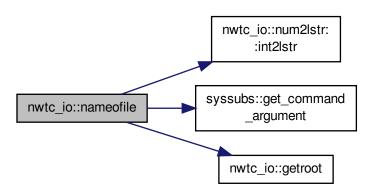
Definition at line 30060 of file tempassembled.f90.



3.27.2.99 subroutine nwtc_io::nameofile (integer, intent(in) *InArg*, character(*), intent(in) *OutExten*, character(*), intent(out) *OutFile*, integer, intent(out), optional *ErrStat*)

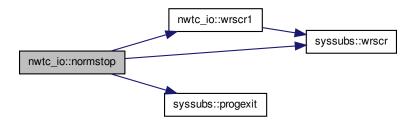
Definition at line 16190 of file tempassembled.f90.

Here is the call graph for this function:



3.27.2.100 subroutine nwtc_io::normstop ()

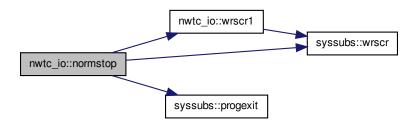
Definition at line 2365 of file tempassembled.f90.



3.27.2.101 subroutine nwtc_io::normstop ()

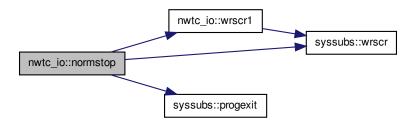
Definition at line 30105 of file tempassembled.f90.

Here is the call graph for this function:



3.27.2.102 subroutine nwtc_io::normstop ()

Definition at line 16235 of file tempassembled.f90.



3.27.2.103 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:



3.27.2.104 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:



3.27.2.105 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:



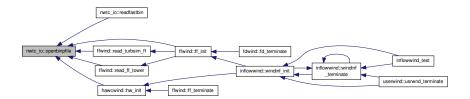
3.27.2.106 subroutine nwtc_io::openbinpfile (integer, intent(in) *Un,* character(*), intent(in) *InFile,* integer, intent(out), optional *ErrStat*)

Definition at line 2415 of file tempassembled.f90.

Here is the call graph for this function:



Here is the caller graph for this function:



3.27.2.107 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.



3.27.2.108 subroutine nwtc_io::openbinpfile (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:



3.27.2.109 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:



3.27.2.110 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.



3.27.2.111 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.

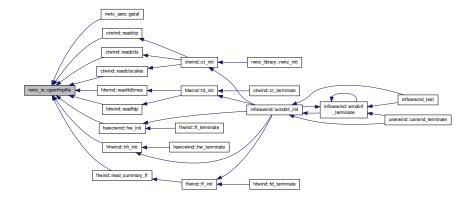
Here is the call graph for this function:



3.27.2.112 subroutine nwtc_io::openfinpfile (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:



3.27.2.113 subroutine nwtc_io::openfinpfile (integer, intent(in) *Un*, character(*), intent(in) *InFile*, integer, intent(out), optional *ErrStat*)

Definition at line 30246 of file tempassembled.f90.

3.27.2.114 subroutine nwtc_io::openfinpfile (integer, intent(in) *Un,* character(*), intent(in) *InFile,* integer, intent(out), optional *ErrStat*)

Definition at line 16376 of file tempassembled.f90.

3.27.2.115 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.

3.27.2.116 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:



3.27.2.117 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.

3.27.2.118 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.

3.27.2.119 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.

3.27.2.120 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*)

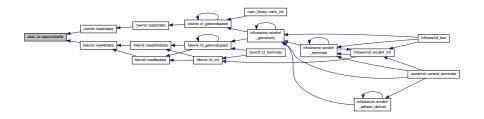
Definition at line 16460 of file tempassembled.f90.

3.27.2.121 subroutine nwtc_io::openuinbefile (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 caller graph for this function:



3.27.2.122 subroutine nwtc_io::openuinbefile (integer, intent(in) *Un,* character(*), intent(in) *InFile,* integer, intent(in) *RecLen,* integer, intent(out), optional *ErrStat*)

Definition at line 30426 of file tempassembled.f90.

Here is the call graph for this function:



3.27.2.123 subroutine nwtc_io::openuinbefile (integer, intent(in) *Un,* character(*), intent(in) *InFile,* integer, intent(in) *RecLen,* integer, intent(out), optional *ErrStat*)

Definition at line 16556 of file tempassembled.f90.



3.27.2.124 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.

3.27.2.125 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.

3.27.2.126 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.

3.27.2.127 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.

3.27.2.128 subroutine nwtc_io::openuoutfile (integer, intent(in) *Un*, character(*), intent(in) *OutFile*, integer, intent(out), optional *ErrStat*)

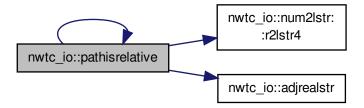
Definition at line 2740 of file tempassembled.f90.

3.27.2.129 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.

3.27.2.130 logical function nwtc_io::pathisrelative (character(*), intent(in) GivenFil)

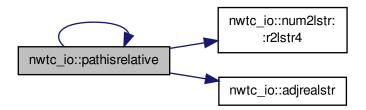
Definition at line 30514 of file tempassembled.f90.



3.27.2.131 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:

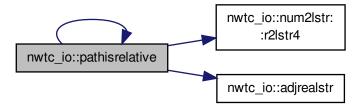


Here is the caller graph for this function:



3.27.2.132 logical function nwtc_io::pathisrelative (character(*), intent(in) GivenFil)

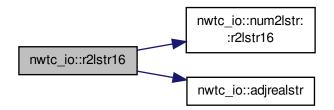
Definition at line 16644 of file tempassembled.f90.



3.27.2.133 character(15) function nwtc_io::r2lstr16 (real(quki), intent(in) FltNum)

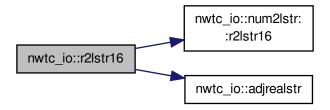
Definition at line 2963 of file tempassembled.f90.

Here is the call graph for this function:



3.27.2.134 character(15) function nwtc_io::r2lstr16 (real(quki), intent(in) FltNum)

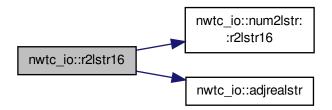
Definition at line 30703 of file tempassembled.f90.



3.27.2.135 character(15) function nwtc_io::r2lstr16 (real(quki), intent(in) FltNum)

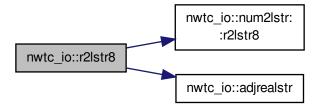
Definition at line 16833 of file tempassembled.f90.

Here is the call graph for this function:



3.27.2.136 character(15) function nwtc_io::r2lstr8 (real(r8ki), intent(in) FltNum)

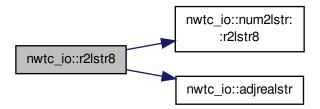
Definition at line 2928 of file tempassembled.f90.



3.27.2.137 character(15) function nwtc_io::r2lstr8 (real(r8ki), intent(in) FltNum)

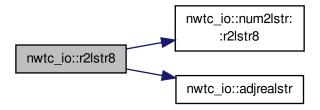
Definition at line 16798 of file tempassembled.f90.

Here is the call graph for this function:



3.27.2.138 character(15) function nwtc_io::r2lstr8 (real(r8ki), intent(in) FltNum)

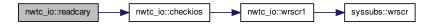
Definition at line 30668 of file tempassembled.f90.



3.27.2.139 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 2999 of file tempassembled.f90.

Here is the call graph for this function:



3.27.2.140 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:



3.27.2.141 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*)

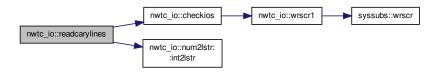
Definition at line 16869 of file tempassembled.f90.



3.27.2.142 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 30783 of file tempassembled.f90.

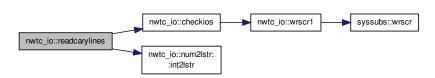
Here is the call graph for this function:



3.27.2.143 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:



3.27.2.144 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*)

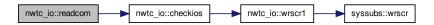
Definition at line 16913 of file tempassembled.f90.



3.27.2.145 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:

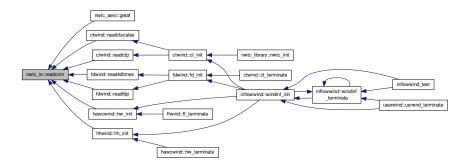


3.27.2.146 subroutine nwtc_io::readcom (integer, intent(in) *UnIn*, character(*), intent(in) *Fil*, character(*), intent(in) *ComName*, integer, intent(out), optional *ErrStat*)

Definition at line 3090 of file tempassembled.f90.

Here is the call graph for this function:





3.27.2.147 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.

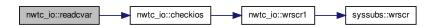
Here is the call graph for this function:



3.27.2.148 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 30869 of file tempassembled.f90.

Here is the call graph for this function:



3.27.2.149 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.



3.27.2.150 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 16999 of file tempassembled.f90.

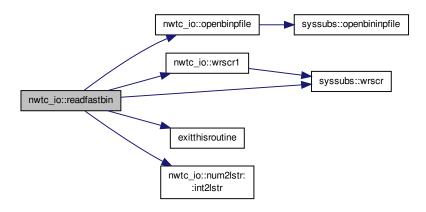
Here is the call graph for this function:



3.27.2.151 subroutine nwtc_io::readfastbin (integer(intki), intent(inout) *UnIn,* type (fastdatatype), intent(inout) *FASTdata,* integer(intki), intent(out), optional *ErrLev,* character(*), intent(out), optional *ErrMsg*)

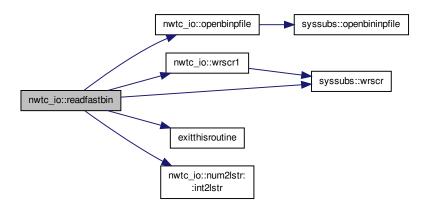
Definition at line 17042 of file tempassembled.f90.

Here is the call graph for this function:



3.27.2.152 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*)

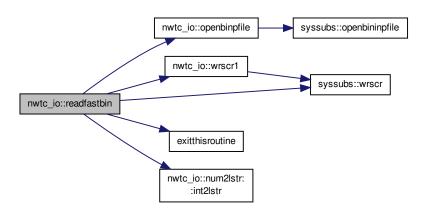
Definition at line 30912 of file tempassembled.f90.



3.27.2.153 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:



3.27.2.154 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*)

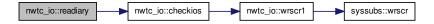
Definition at line 31244 of file tempassembled.f90.



3.27.2.155 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.

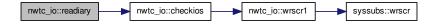
Here is the call graph for this function:



3.27.2.156 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:



3.27.2.157 subroutine nwtc_io::readivar (integer, intent(in) *Unln*, 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:



3.27.2.158 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:



3.27.2.159 subroutine nwtc_io::readivar (integer, intent(in) *Unln*, 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.

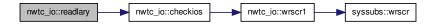
Here is the call graph for this function:



3.27.2.160 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:



3.27.2.161 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.



3.27.2.162 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 17470 of file tempassembled.f90.

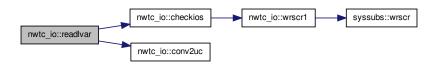
Here is the call graph for this function:



3.27.2.163 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*)

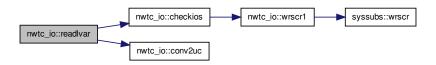
Definition at line 31387 of file tempassembled.f90.

Here is the call graph for this function:



3.27.2.164 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*)

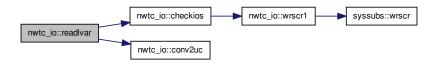
Definition at line 17517 of file tempassembled.f90.



3.27.2.165 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:



3.27.2.166 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*)

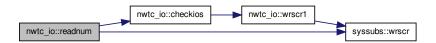
Definition at line 17566 of file tempassembled.f90.

Here is the call graph for this function:



3.27.2.167 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*)

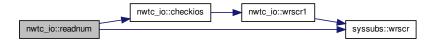
Definition at line 31436 of file tempassembled.f90.



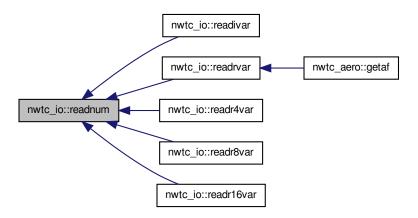
3.27.2.168 subroutine nwtc_io::readnum (integer, intent(in) *Unln*, character(*), intent(in) *Fil*, character(*), intent(out) *Word*, character(*), intent(in) *VarName*, integer, intent(out), optional *ErrStat*)

Definition at line 3696 of file tempassembled.f90.

Here is the call graph for this function:

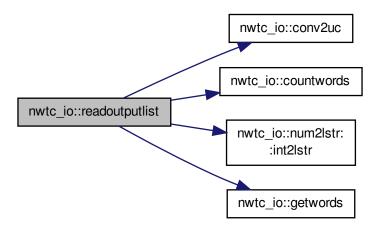


Here is the caller graph for this function:



3.27.2.169 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*)

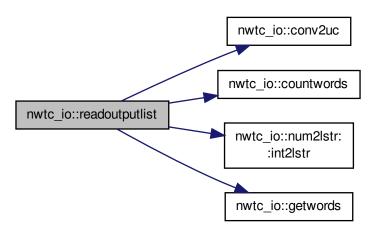
Definition at line 3747 of file tempassembled.f90.



3.27.2.170 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.

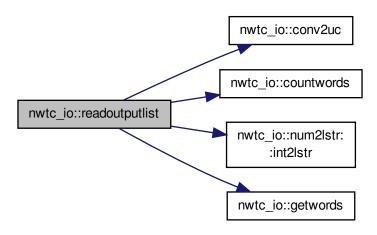
Here is the call graph for this function:



3.27.2.171 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 17617 of file tempassembled.f90.

Here is the call graph for this function:



3.27.2.172 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:



3.27.2.173 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.



3.27.2.174 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:



3.27.2.175 subroutine nwtc_io::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 31857 of file tempassembled.f90.

Here is the call graph for this function:



3.27.2.176 subroutine nwtc_io::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 17987 of file tempassembled.f90.

Here is the call graph for this function:



3.27.2.177 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:



3.27.2.178 subroutine nwtc_io::readr8var (integer, intent(in) *Unln*, 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:



3.27.2.179 subroutine nwtc_io::readr8var (integer, intent(in) *Unln*, 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:



3.27.2.180 subroutine nwtc_io::readr8var (integer, intent(in) *Unln*, 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.



3.27.2.181 subroutine nwtc_io::readrary (integer, intent(in) *Unln*, 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:



3.27.2.182 subroutine nwtc_io::readrary (integer, intent(in) *Unln*, 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:



3.27.2.183 subroutine nwtc_io::readrary (integer, intent(in) *Unln*, 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*)

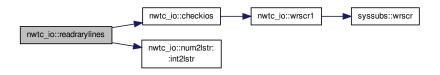
Definition at line 17700 of file tempassembled.f90.



3.27.2.184 subroutine nwtc_io::readrarylines (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.

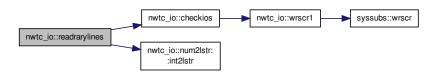
Here is the call graph for this function:



3.27.2.185 subroutine nwtc_io::readrarylines (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*)

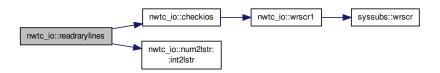
Definition at line 31617 of file tempassembled.f90.

Here is the call graph for this function:



3.27.2.186 subroutine nwtc_io::readrarylines (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*)

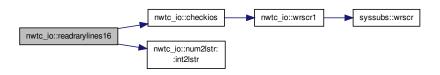
Definition at line 3877 of file tempassembled.f90.



3.27.2.187 subroutine nwtc_io::readrarylines16 (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.

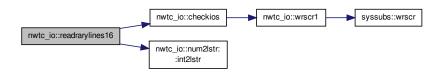
Here is the call graph for this function:



3.27.2.188 subroutine nwtc_io::readrarylines16 (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*)

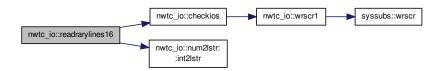
Definition at line 17888 of file tempassembled.f90.

Here is the call graph for this function:



3.27.2.189 subroutine nwtc_io::readrarylines16 (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*)

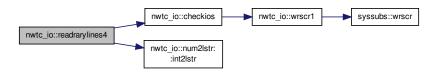
Definition at line 31758 of file tempassembled.f90.



3.27.2.190 subroutine nwtc_io::readrarylines4 (integer, intent(in) *Unln*, 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.

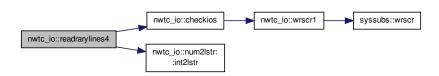
Here is the call graph for this function:



3.27.2.191 subroutine nwtc_io::readrarylines4 (integer, intent(in) *Unln*, 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*)

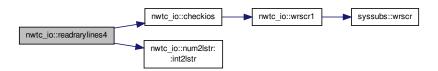
Definition at line 17794 of file tempassembled.f90.

Here is the call graph for this function:



3.27.2.192 subroutine nwtc_io::readrarylines4 (integer, intent(in) *Unln*, 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*)

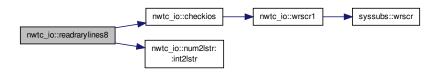
Definition at line 31664 of file tempassembled.f90.



3.27.2.193 subroutine nwtc_io::readrarylines8 (integer, intent(in) *Unln*, 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.

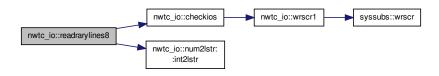
Here is the call graph for this function:



3.27.2.194 subroutine nwtc_io::readrarylines8 (integer, intent(in) *Unln*, 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*)

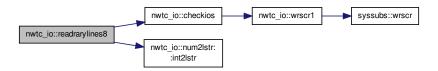
Definition at line 3971 of file tempassembled.f90.

Here is the call graph for this function:



3.27.2.195 subroutine nwtc_io::readrarylines8 (integer, intent(in) *Unln*, 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.



3.27.2.196 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 17935 of file tempassembled.f90.

Here is the call graph for this function:



3.27.2.197 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 31805 of file tempassembled.f90.

Here is the call graph for this function:



3.27.2.198 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 4065 of file tempassembled.f90.



Here is the caller graph for this function:



3.27.2.199 subroutine nwtc_io::readstr (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 32010 of file tempassembled.f90.

Here is the call graph for this function:



3.27.2.200 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:



3.27.2.201 subroutine nwtc_io::readstr (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 4270 of file tempassembled.f90.

Here is the call graph for this function:



Here is the caller graph for this function:



3.27.2.202 subroutine nwtc_io::waittime (real(reki), intent(in) WaitSecs)

Definition at line 4313 of file tempassembled.f90.

3.27.2.203 subroutine nwtc_io::waittime (real(reki), intent(in) WaitSecs)

Definition at line 18183 of file tempassembled.f90.

3.27.2.204 subroutine nwtc_io::waittime (real(reki), intent(in) WaitSecs)

Definition at line 32053 of file tempassembled.f90.

3.27.2.205 subroutine nwtc_io::wrfilenr (integer, intent(in) Unit, character(*), intent(in) Str)

Definition at line 32110 of file tempassembled.f90.

3.27.2.206 subroutine nwtc_io::wrfilenr (integer, intent(in) Unit, character(*), intent(in) Str)

Definition at line 4370 of file tempassembled.f90.

3.27.2.207 subroutine nwtc_io::wrfilenr (integer, intent(in) Unit, character(*), intent(in) Str)

Definition at line 18240 of file tempassembled.f90.

3.27.2.208 subroutine nwtc_io::wrml (character(*) Str)

Definition at line 32130 of file tempassembled.f90.



3.27.2.209 subroutine nwtc_io::wrml (character(*) Str)

Definition at line 18260 of file tempassembled.f90.

Here is the call graph for this function:



3.27.2.210 subroutine nwtc_io::wrml (character(*) Str)

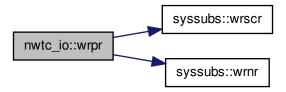
Definition at line 4390 of file tempassembled.f90.

Here is the call graph for this function:



3.27.2.211 subroutine nwtc_io::wrpr (character(*), intent(in) Str)

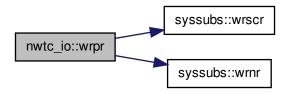
Definition at line 4350 of file tempassembled.f90.



3.27.2.212 subroutine nwtc_io::wrpr (character(*), intent(in) Str)

Definition at line 18220 of file tempassembled.f90.

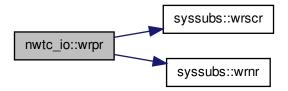
Here is the call graph for this function:



3.27.2.213 subroutine nwtc_io::wrpr (character(*), intent(in) Str)

Definition at line 32090 of file tempassembled.f90.

Here is the call graph for this function:



3.27.2.214 subroutine nwtc_io::wrscr1 (character(*) Str)

Definition at line 18278 of file tempassembled.f90.

Here is the call graph for this function:



3.27.2.215 subroutine nwtc_io::wrscr1 (character(*) Str)

Definition at line 32148 of file tempassembled.f90.

Here is the call graph for this function:

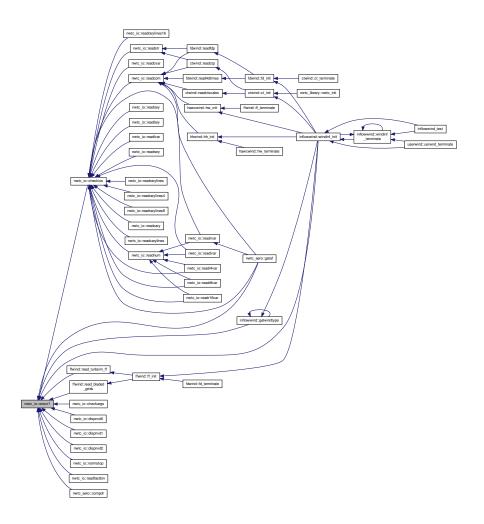


3.27.2.216 subroutine nwtc_io::wrscr1 (character(*) Str)

Definition at line 4408 of file tempassembled.f90.

Here is the call 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)

3.28.1 Detailed Description

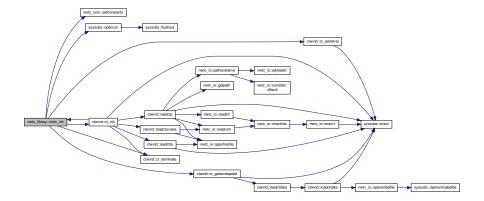
Definition at line 7095 of file tempassembled.f90.

3.28.2 Member Function/Subroutine Documentation

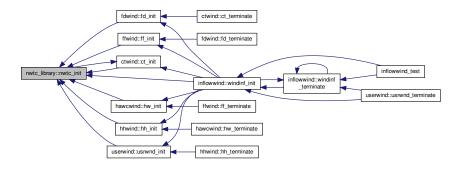
3.28.2.1 subroutine nwtc_library::nwtc_init (character(*), intent(in), optional *ProgNameIn,* character(*), intent(in), optional *ProgNerIn*)

Definition at line 7141 of file tempassembled.f90.

Here is the call graph for this function:

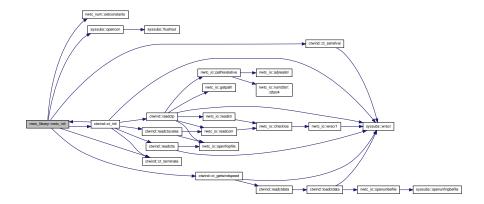


Here is the caller graph for this function:



3.28.2.2 subroutine nwtc_library::nwtc_init (character(*), intent(in), optional *ProgNameIn*, character(*), intent(in), optional *ProgNerIn*)

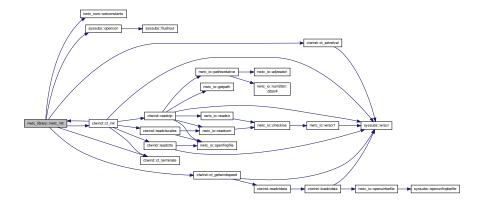
Definition at line 34881 of file tempassembled.f90.



3.28.2.3 subroutine nwtc_library::nwtc_init (character(*), intent(in), optional *ProgNameIn,* character(*), intent(in), optional *ProgNerIn*)

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) 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)

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) twobypi_d
- real(dbki) twopi_d
- real(reki) d2r
- · real(reki) inf
- real(reki) nan
- real(reki) pi
- real(reki) piby2
- real(reki) r2d
- · real(reki) rpm2rps
- · real(reki) rps2rpm
- real(reki) twobypi
- 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 32264 of file tempassembled.f90.

3.29.2.4 subroutine nwtc_num::bsortreal (real(reki), dimension(numpts), intent(inout) RealAry, integer, intent(in) NumPts)

Definition at line 4574 of file tempassembled.f90.

3.29.2.5 subroutine nwtc_num::bsortreal (real(reki), dimension(numpts), intent(inout) RealAry, integer, intent(in) NumPts)

Definition at line 32314 of file tempassembled.f90.

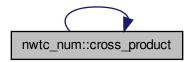
3.29.2.6 subroutine nwtc_num::bsortreal (real(reki), dimension(numpts), intent(inout) RealAry, integer, intent(in) NumPts)

Definition at line 18444 of file tempassembled.f90.

3.29.2.7 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:



3.29.2.8 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.



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 18490 of file tempassembled.f90.

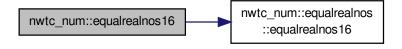
Here is the call graph for this function:



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

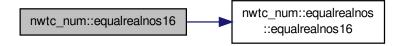
Definition at line 4764 of file tempassembled.f90.

Here is the call graph for this function:



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

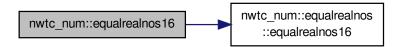
Definition at line 32504 of file tempassembled.f90.



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

Definition at line 18634 of file tempassembled.f90.

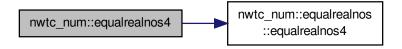
Here is the call graph for this function:



3.29.2.13 logical function nwtc_num::equalrealnos4 (real(siki), intent(in) ReNum1, real(siki), intent(in) ReNum2)

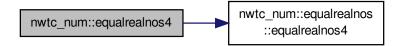
Definition at line 4690 of file tempassembled.f90.

Here is the call graph for this function:



3.29.2.14 logical function nwtc_num::equalrealnos4 (real(siki), intent(in) ReNum1, real(siki), intent(in) ReNum2)

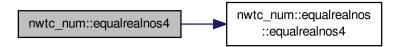
Definition at line 32430 of file tempassembled.f90.



3.29.2.15 logical function nwtc_num::equalrealnos4 (real(siki), intent(in) ReNum1, real(siki), intent(in) ReNum2)

Definition at line 18560 of file tempassembled.f90.

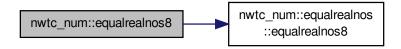
Here is the call graph for this function:



3.29.2.16 logical function nwtc_num::equalrealnos8 (real(r8ki), intent(in) ReNum1, real(r8ki), intent(in) ReNum2)

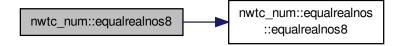
Definition at line 4727 of file tempassembled.f90.

Here is the call graph for this function:



3.29.2.17 logical function nwtc_num::equalrealnos8 (real(r8ki), intent(in) ReNum1, real(r8ki), intent(in) ReNum2)

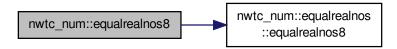
Definition at line 32467 of file tempassembled.f90.



3.29.2.18 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:



3.29.2.19 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:



3.29.2.20 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.



3.29.2.21 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:



3.29.2.22 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.

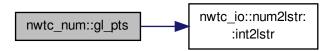
Here is the call graph for this function:



3.29.2.23 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.

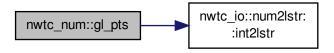
Here is the call graph for this function:



3.29.2.24 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:



3.29.2.25 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:



3.29.2.26 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:



3.29.2.27 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:



3.29.2.28 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.



3.29.2.29 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.

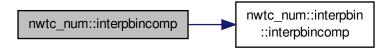
Here is the call graph for this function:



3.29.2.30 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)

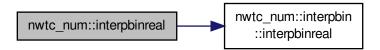
Definition at line 32786 of file tempassembled.f90.

Here is the call graph for this function:



3.29.2.31 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)

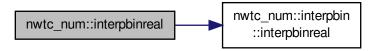
Definition at line 18985 of file tempassembled.f90.



3.29.2.32 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.

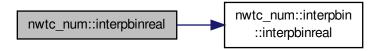
Here is the call graph for this function:



3.29.2.33 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)

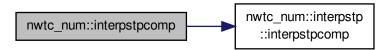
Definition at line 5115 of file tempassembled.f90.

Here is the call graph for this function:



3.29.2.34 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

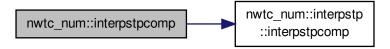
Definition at line 19053 of file tempassembled.f90.



3.29.2.35 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.

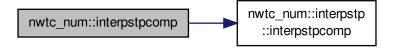
Here is the call graph for this function:



3.29.2.36 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)

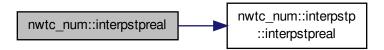
Definition at line 32923 of file tempassembled.f90.

Here is the call graph for this function:



3.29.2.37 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)

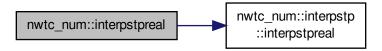
Definition at line 19123 of file tempassembled.f90.



3.29.2.38 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.

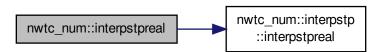
Here is the call graph for this function:



3.29.2.39 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:



3.29.2.40 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.

3.29.2.41 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.

3.29.2.42 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.

3.29.2.43 subroutine nwtc_num::locatestp (real(reki), intent(in) XVal, real(reki), dimension (arylen), intent(in) XAry, integer, intent(in) Ind, integer, intent(in) AryLen)

Definition at line 19248 of file tempassembled.f90.

3.29.2.44 subroutine nwtc_num::locatestp (real(reki), intent(in) XVal, real(reki), dimension (arylen), intent(in) XAry, integer, intent(in) Ind, integer, intent(in) AryLen)

Definition at line 33118 of file tempassembled.f90.

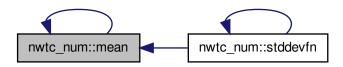
3.29.2.45 subroutine nwtc_num::locatestp (real(reki), intent(in) XVal, real(reki), dimension (arylen), intent(in) XAry, integer, intent(inout) Ind, integer, intent(in) AryLen)

Definition at line 5378 of file tempassembled.f90.

3.29.2.46 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:



3.29.2.47 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:



3.29.2.48 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.



3.29.2.49 subroutine nwtc_num::mpi2pi (real(reki), intent(inout) Angle)

Definition at line 33214 of file tempassembled.f90.

3.29.2.50 subroutine nwtc_num::mpi2pi (real(reki), intent(inout) Angle)

Definition at line 19344 of file tempassembled.f90.

3.29.2.51 subroutine nwtc_num::mpi2pi (real(reki), intent(inout) Angle)

Definition at line 5474 of file tempassembled.f90.

3.29.2.52 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.

3.29.2.53 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*)

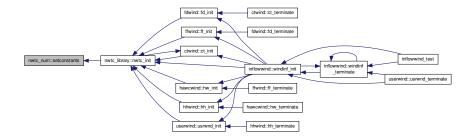
Definition at line 5501 of file tempassembled.f90.

3.29.2.54 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.

3.29.2.55 subroutine nwtc_num::setconstants ()

Definition at line 5599 of file tempassembled.f90.



3.29.2.56 subroutine nwtc_num::setconstants ()

Definition at line 33339 of file tempassembled.f90.

3.29.2.57 subroutine nwtc_num::setconstants ()

Definition at line 19469 of file tempassembled.f90.

3.29.2.58 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 *ErrTxt*)

Definition at line 19523 of file tempassembled.f90.

Here is the call graph for this function:



3.29.2.59 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 *ErrTxt*)

Definition at line 33393 of file tempassembled.f90.



3.29.2.60 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 *ErrTxt*)

Definition at line 5653 of file tempassembled.f90.

Here is the call graph for this function:



3.29.2.61 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.

3.29.2.62 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.

3.29.2.63 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.

3.29.2.64 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 caller graph for this function:



3.29.2.65 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:



3.29.2.66 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.



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::piby2

Definition at line 4484 of file tempassembled.f90.

3.29.3.11 real(dbki) nwtc_num::piby2_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::progdesc 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::progdesc::date

Definition at line 1001 of file tempassembled.f90.

3.31.2.2 character(24) nwtc_io::progdesc::name

Definition at line 999 of file tempassembled.f90.

3.31.2.3 character(99) nwtc_io::progdesc::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)

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::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 caller graph for this function:



3.32.2.2 subroutine nwtc_io::readary::readcary (integer, intent(in) *UnIn*, character(*), intent(in) *FiI*, 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::readiary (integer, intent(in) *Unln*, 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.



3.32.2.5 subroutine nwtc_io::readary::readiary (integer, intent(in) *Unln*, 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.

3.32.2.6 subroutine nwtc_io::readary::readiary (integer, intent(in) *Unln*, 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.

3.32.2.7 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 17470 of file tempassembled.f90.

3.32.2.8 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 31340 of file tempassembled.f90.

3.32.2.9 subroutine nwtc_io::readary::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.



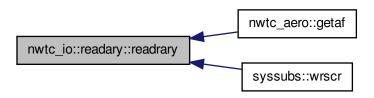
3.32.2.10 subroutine nwtc_io::readary::readrary (integer, intent(in) *Unln*, character(*), intent(in) *Fil*, real(reki), dimension(arylen), intent(inout) *RealAry*, integer, intent(in) *AryLen*, character(*), intent(in) *AryName*, character(*), intent(in) *AryDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 31570 of file tempassembled.f90.

3.32.2.11 subroutine nwtc_io::readary::readrary (integer, intent(in) *Unln*, 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:



3.32.2.12 subroutine nwtc_io::readary::readrary (integer, intent(in) *Unln*, 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 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 readcarylines (UnIn, Fil, CharAry, 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 readcarylines (UnIn, Fil, CharAry, 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)

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) *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 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) *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.

3.33.2.3 subroutine nwtc_io::readarylines::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 30783 of file tempassembled.f90.

3.33.2.4 subroutine nwtc_io::readarylines::readrarylines16 (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.

3.33.2.5 subroutine nwtc_io::readarylines::readrarylines16 (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.



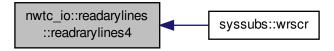
3.33.2.6 subroutine nwtc_io::readarylines::readrarylines16 (integer, intent(in) *UnIn*, character(*), intent(in) *Fil*, real(quki), dimension(arylen), intent(out) *RealAry*, integer, intent(in) *AryLen*, character(*), intent(in) *AryName*, character(*), intent(in) *AryDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 31758 of file tempassembled.f90.

3.33.2.7 subroutine nwtc_io::readarylines::readrarylines4 (integer, intent(in) *Unln*, 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:



3.33.2.8 subroutine nwtc_io::readarylines::readrarylines4 (integer, intent(in) *Unln*, 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.

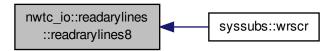
3.33.2.9 subroutine nwtc_io::readarylines::readrarylines4 (integer, intent(in) *Unln*, character(*), intent(in) *Fil*, real(siki), dimension(arylen), intent(out) *RealAry*, integer, intent(in) *AryLen*, character(*), intent(in) *AryName*, character(*), intent(in) *AryDescr*, integer, intent(out), optional *ErrStat*)

Definition at line 17794 of file tempassembled.f90.

3.33.2.10 subroutine nwtc_io::readarylines::readrarylines8 (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:



3.33.2.11 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.

3.33.2.12 subroutine nwtc_io::readarylines::readrarylines8 (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.

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)

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) *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 caller graph for this function:



3.34.2.2 subroutine nwtc_io::readvar::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*)

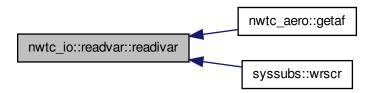
Definition at line 16999 of file tempassembled.f90.

3.34.2.3 subroutine nwtc_io::readvar::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 30869 of file tempassembled.f90.

3.34.2.4 subroutine nwtc_io::readvar::readivar (integer, intent(in) *Unln*, 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.



3.34.2.5 subroutine nwtc_io::readvar::readivar (integer, intent(in) *Unln*, 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.

3.34.2.6 subroutine nwtc_io::readvar::readivar (integer, intent(in) *Unln*, 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.

3.34.2.7 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.

3.34.2.8 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 17517 of file tempassembled.f90.

3.34.2.9 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 3647 of file tempassembled.f90.



3.34.2.10 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.

3.34.2.11 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:



3.34.2.12 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.

3.34.2.13 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 31857 of file tempassembled.f90.

3.34.2.14 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:



3.34.2.15 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 17987 of file tempassembled.f90.

3.34.2.16 subroutine nwtc_io::readvar::readr8var (integer, intent(in) *Unln*, 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.

3.34.2.17 subroutine nwtc_io::readvar::readr8var (integer, intent(in) *Unln*, 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:



3.34.2.18 subroutine nwtc_io::readvar::readr8var (integer, intent(in) *Unln*, 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.

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::hawc_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 (DblNum)
- subroutine openbinfile (Un, OutFile, RecLen, Error)
- subroutine openbininpfile (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 openbininpfile (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 openbininpfile (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 conrect = 120
- integer cu = 6
- integer nl len = 2
- character(10) endian = 'BIG_ENDIAN'

• character(1) pathsep = '\'! The path separater. CHARACTER(1) :: SwChar = '/'! The switch character for command-line options.!20110512 im changed from 'BINARY' to 'UNFORMATTED' because 'B-INARY' 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.-UNCTION COMMAND ARGUMENT COUNT() ! This routine returns the number of argumenta entered on the command line.. ! Note: This routine will be available intrinsically in Fortran 2000. ! Function declaration. INTEGER :: COMMAND ARGUMENT COUNT! This function. Determine the mumber of arguments. Load the program name into the result. AND_ARGUMENT_COUNT = IArgC() RETURN END FUNCTION COMMAND_ARGUMENT_COUNT ! NE 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

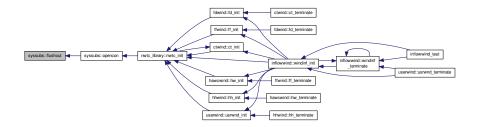
- · character(1) but
- · character(1) it
- · character(1) is
- character(1) called
- character(1) by
- character(1), dimension() wrscr
- · character(1) which
- character(1) so
- character(1) must
- character(1) be
- character(1) here
- integer, intent(in) maxlen
- · integer, intent(out) strend
- character(*), 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.



3.36.2.2 subroutine syssubs::flushout (integer, intent(in) Unit)

Definition at line 14157 of file tempassembled.f90.

3.36.2.3 subroutine syssubs::flushout (integer, intent(in) Unit)

Definition at line 28027 of file tempassembled.f90.

3.36.2.4 subroutine syssubs::get_arg (integer, intent(in) Arg_Num, character(*), intent(out) Arg, logical, intent(out) Error)

Definition at line 306 of file tempassembled.f90.

Here is the caller graph for this function:



3.36.2.5 subroutine syssubs::get_arg (integer, intent(in) Arg_Num, character(*), intent(out) Arg, logical, intent(out) Error)

Definition at line 28046 of file tempassembled.f90.

3.36.2.6 subroutine syssubs::get_arg (integer, intent(in) Arg_Num, character(*), intent(out) Arg, logical, intent(out) Error)

Definition at line 14176 of file tempassembled.f90.

3.36.2.7 subroutine syssubs::get_arg_num (integer, intent(out) Arg_Num)

Definition at line 28081 of file tempassembled.f90.

3.36.2.8 subroutine syssubs::get_arg_num (integer, intent(out) Arg_Num)

Definition at line 14211 of file tempassembled.f90.

3.36.2.9 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:



3.36.2.10 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.

3.36.2.11 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.

3.36.2.12 subroutine syssubs::get_command (character(*), intent(out), optional *Command*, integer, intent(out), optional *Length*, integer, intent(out), optional *Status*)

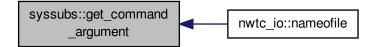
Definition at line 14231 of file tempassembled.f90.

3.36.2.13 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.

3.36.2.14 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.



3.36.2.15 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.

3.36.2.16 subroutine syssubs::get_cwd (character(*), intent(out) DirName, integer, intent(out) Status)

Definition at line 28199 of file tempassembled.f90.

3.36.2.17 subroutine syssubs::get_cwd (character(*), intent(out) DirName, integer, intent(out) Status)

Definition at line 459 of file tempassembled.f90.

3.36.2.18 subroutine syssubs::get_cwd (character(*), intent(out) DirName, integer, intent(out) Status)

Definition at line 14329 of file tempassembled.f90.

3.36.2.19 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:



3.36.2.20 character(500) function syssubs::get_env (character(*), intent(in) EnvVar)

Definition at line 14349 of file tempassembled.f90.



3.36.2.21 character(500) function syssubs::get_env (character(*), intent(in) EnvVar)

Definition at line 479 of file tempassembled.f90.

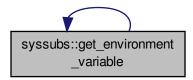
Here is the caller graph for this function:



3.36.2.22 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*)

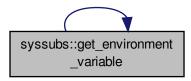
Definition at line 505 of file tempassembled.f90.

Here is the caller graph for this function:



3.36.2.23 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*)

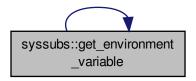
Definition at line 28245 of file tempassembled.f90.



3.36.2.24 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:



3.36.2.25 logical function syssubs::is_nan (real(dbki), intent(in) DblNum)

Definition at line 575 of file tempassembled.f90.



3.36.2.26 logical function syssubs::is_nan (real(dbki), intent(in) DblNum)

Definition at line 28315 of file tempassembled.f90.

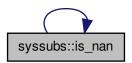
Here is the call graph for this function:



3.36.2.27 logical function syssubs::is_nan (real(dbki), intent(in) DblNum)

Definition at line 14445 of file tempassembled.f90.

Here is the call graph for this function:



3.36.2.28 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.



3.36.2.29 subroutine syssubs::openbinfile (integer, intent(in) *Un*, character(*), intent(in) *OutFile*, integer, intent(in) *RecLen*, logical, intent(out) *Error*)

Definition at line 28342 of file tempassembled.f90.

3.36.2.30 subroutine syssubs::openbinfile (integer, intent(in) *Un*, character(*), intent(in) *OutFile*, integer, intent(in) *RecLen*, logical, intent(out) *Error*)

Definition at line 14472 of file tempassembled.f90.

3.36.2.31 subroutine syssubs::openbininpfile (integer, intent(in) *Un*, character(*), intent(in) *InFile*, logical, intent(out) *Error*)

Definition at line 639 of file tempassembled.f90.

Here is the caller graph for this function:



3.36.2.32 subroutine syssubs::openbininpfile (integer, intent(in) Un, character(*), intent(in) InFile, logical, intent(out) Error)

Definition at line 28379 of file tempassembled.f90.

3.36.2.33 subroutine syssubs::openbininpfile (integer, intent(in) Un, character(*), intent(in) InFile, logical, intent(out) Error)

Definition at line 14509 of file tempassembled.f90.

3.36.2.34 subroutine syssubs::opencon ()

Definition at line 28421 of file tempassembled.f90.

Here is the call graph for this function:

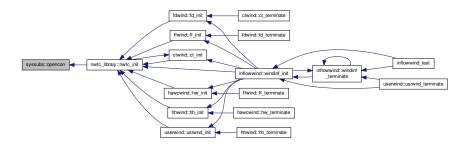


3.36.2.35 subroutine syssubs::opencon ()

Definition at line 681 of file tempassembled.f90.



Here is the caller graph for this function:



3.36.2.36 subroutine syssubs::opencon ()

Definition at line 14551 of file tempassembled.f90.

Here is the call graph for this function:



3.36.2.37 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.

3.36.2.38 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.

3.36.2.39 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:



3.36.2.40 subroutine syssubs::progexit (integer, intent(in) StatCode)

Definition at line 14614 of file tempassembled.f90.

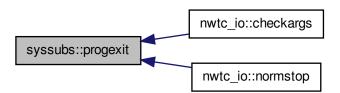
3.36.2.41 subroutine syssubs::progexit (integer, intent(in) StatCode)

Definition at line 28484 of file tempassembled.f90.

3.36.2.42 subroutine syssubs::progexit (integer, intent(in) StatCode)

Definition at line 744 of file tempassembled.f90.

Here is the caller graph for this function:



3.36.2.43 subroutine syssubs::usralarm ()

Definition at line 14643 of file tempassembled.f90.



3.36.2.44 subroutine syssubs::usralarm ()

Definition at line 28513 of file tempassembled.f90.

Here is the call graph for this function:



3.36.2.45 subroutine syssubs::usralarm ()

Definition at line 773 of file tempassembled.f90.

Here is the call graph for this function:





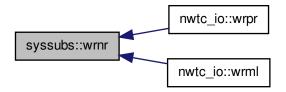
3.36.2.46 subroutine syssubs::wrnr (character(*), intent(in) Str)

Definition at line 28554 of file tempassembled.f90.

3.36.2.47 subroutine syssubs::wrnr (character(*), intent(in) Str)

Definition at line 814 of file tempassembled.f90.

Here is the caller graph for this function:



3.36.2.48 subroutine syssubs::wrnr (character(*), intent(in) Str)

Definition at line 14684 of file tempassembled.f90.

3.36.2.49 subroutine syssubs::wrover (character(*), intent(in) Str)

Definition at line 14702 of file tempassembled.f90.

3.36.2.50 subroutine syssubs::wrover (character(*), intent(in) *Str*)

Definition at line 832 of file tempassembled.f90.

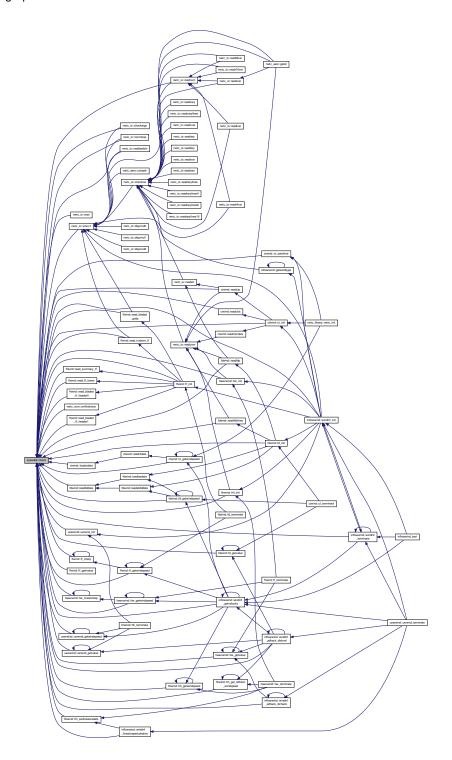


3.36.2.51 subroutine syssubs::wrover (character(*), intent(in) Str)

Definition at line 28572 of file tempassembled.f90.

3.36.2.52 subroutine, dimension() syssubs::wrscr (character(*), intent(in) Str)

Definition at line 850 of file tempassembled.f90.



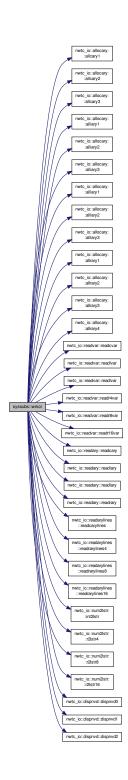
3.36.2.53 subroutine, dimension() syssubs::wrscr (character(*), intent(in) Str)

Definition at line 14720 of file tempassembled.f90.



3.36.2.54 subroutine, dimension() syssubs::wrscr (character(*), intent(in) Str)

Definition at line 28590 of file tempassembled.f90.



3.36.3 Member Data Documentation

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 = '\rangle' ! The path separater. CHARACTER(1) :: SwChar = '\rangle' ! The switch character for command-line options.!20110512 im 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 COMMAND_ARGUMENT_COUNT()! This routine returns the number of argumenta 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 mumber of arguments. Load the program name into the result. COMMAND_ARGUMENT_COUNT = IArgC() RETURN END FUNCTION COMMAN-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 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::wrscr

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)

Private Attributes

- logical, save initialized = .FALSE.
- real(reki) uwmeanu
- real(reki) uwmeanv
- · real(reki) uwmeanw

3.37.1 Detailed Description

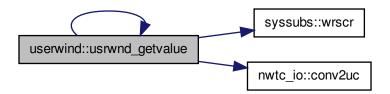
Definition at line 12812 of file tempassembled.f90.

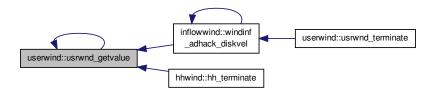
3.37.2 Member Function/Subroutine Documentation

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:

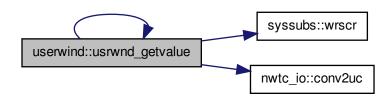




3.37.2.2 real(reki) function, public userwind::usrwnd_getvalue (character(*), intent(in) VarName, integer, intent(out) ErrStat)

Definition at line 40625 of file tempassembled.f90.

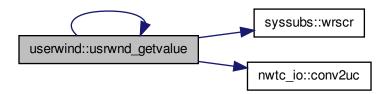
Here is the call graph for this function:



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.

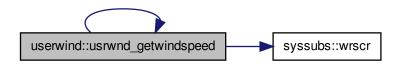
Here is the call graph for this function:



3.37.2.4 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.

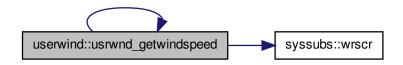
Here is the call graph for this function:



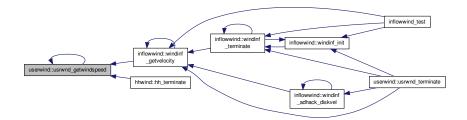
3.37.2.5 type(inflintrpout) function, public userwind::usrwnd_getwindspeed (real(reki), intent(in) *Time*, real(reki), dimension(3), intent(in) *InputPosition*, integer, intent(out) *ErrStat*)

Definition at line 12939 of file tempassembled.f90.

Here is the call graph for this function:



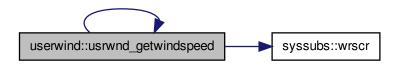
Here is the caller graph for this function:



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.

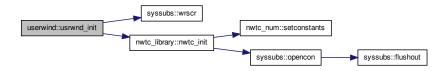
Here is the call graph for this function:



3.37.2.7 subroutine, public userwind::usrwnd_init (integer, intent(out) ErrStat)

Definition at line 40581 of file tempassembled.f90.

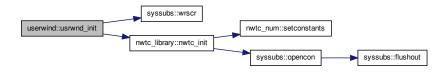
Here is the call graph for this function:



3.37.2.8 subroutine, public userwind::usrwnd_init (integer, intent(out) ErrStat)

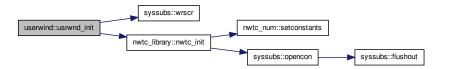
Definition at line 26711 of file tempassembled.f90.

Here is the call graph for this function:

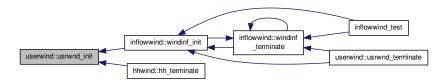


3.37.2.9 subroutine, public userwind::usrwnd_init (integer, intent(out) ErrStat)

Definition at line 12841 of file tempassembled.f90.

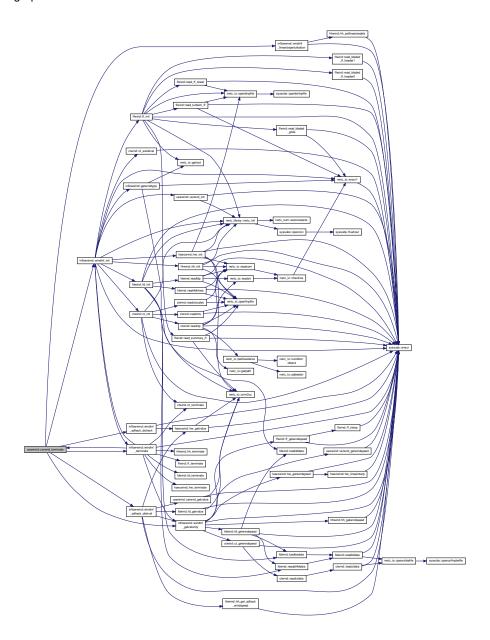


Here is the caller graph for this function:



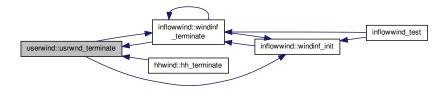
3.37.2.10 subroutine, public userwind::usrwnd_terminate (integer, intent(out) ErrStat)

Definition at line 40720 of file tempassembled.f90.



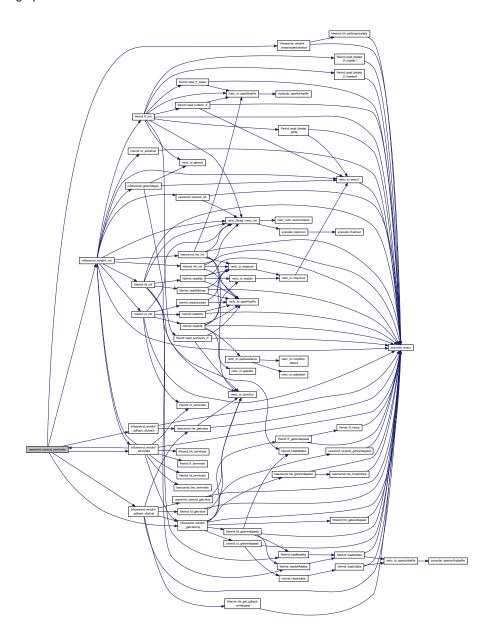
3.37.2.11 subroutine, public userwind::usrwnd_terminate (integer, intent(out) ErrStat)

Definition at line 12980 of file tempassembled.f90.



3.37.2.12 subroutine, public userwind::usrwnd_terminate (integer, intent(out) ErrStat)

Definition at line 26850 of file tempassembled.f90.



3.37.3 Member Data Documentation

3.37.3.1 logical save userwind::initialized = .FALSE. [private]

Definition at line 12825 of file tempassembled.f90.

3.37.3.2 real(reki) userwind::uwmeanu [private]

Definition at line 12827 of file tempassembled.f90.

4 File Documentation 265

3.37.3.3 real(reki) userwind::uwmeanv [private]

Definition at line 12828 of file tempassembled.f90.

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

Data Types

- · module precision
- · module syssubs
- module nwtc_io
- type nwtc_io::progdesc
- type nwtc_io::fastdatatype
- interface nwtc_io::allocary
- interface nwtc_io::readvar
- · interface nwtc_io::readary
- interface nwtc io::readarylines
- interface nwtc_io::num2lstr
- interface nwtc_io::dispnvd
- module nwtc_num
- interface nwtc_num::equalrealnos
- interface nwtc_num::interpbin
- interface nwtc_num::interpstp
- · module modmesh
- type modmesh::meshtype
- module nwtc_aero
- type nwtc_aero::aerodata
- type nwtc_aero::aerotable
- type nwtc_aero::alfindx
- type nwtc_aero::elmtable
- · module nwtc_library
- · module sharedinflowdefns
- · type sharedinflowdefns::inflintrpout
- module ctwind
- type ctwind::ctwindfiles
- type ctwind::ct_backgr
- · module fdwind
- · module ffwind
- interface ffwind::ff_getvalue
- · module hawcwind
- module hhwind

- type hhwind::hh_info
- module userwind
- · module inflowwind
- type inflowwind::inflinitinfo
- module precision
- · module syssubs
- module nwtc_io
- type nwtc_io::progdesc
- type nwtc_io::fastdatatype
- · interface nwtc_io::allocary
- interface nwtc io::readvar
- interface nwtc io::readary
- interface nwtc_io::readarylines
- interface nwtc io::num2lstr
- interface nwtc_io::dispnvd
- module nwtc_num
- interface nwtc_num::equalrealnos
- interface nwtc_num::interpbin
- interface nwtc_num::interpstp
- · module modmesh
- type modmesh::meshtype
- module nwtc_aero
- type nwtc_aero::aerodata
- type nwtc_aero::aerotable
- type nwtc_aero::alfindx
- type nwtc_aero::elmtable
- module nwtc_library
- · module sharedinflowdefns
- · type sharedinflowdefns::inflintrpout
- module ctwind
- · type ctwind::ctwindfiles
- type ctwind::ct backgr
- · module fdwind
- module ffwind
- · interface ffwind::ff getvalue
- · module hawcwind
- module hhwind
- type hhwind::hh info
- module userwind
- · module inflowwind
- type inflowwind::inflinitinfo
- module precision
- module syssubs
- · module nwtc io
- type nwtc_io::progdesc
- type nwtc_io::fastdatatype
- interface nwtc_io::allocary
- interface nwtc_io::readvar
- · interface nwtc_io::readary
- interface nwtc_io::readarylines
- · interface nwtc io::num2lstr

- interface nwtc_io::dispnvd
- module nwtc_num
- interface nwtc_num::equalrealnos
- interface nwtc num::interpbin
- interface nwtc num::interpstp
- · module modmesh
- type modmesh::meshtype
- · module nwtc aero
- type nwtc_aero::aerodata
- type nwtc_aero::aerotable
- type nwtc_aero::alfindx
- type nwtc_aero::elmtable
- · module nwtc_library
- · module sharedinflowdefns
- · type sharedinflowdefns::inflintrpout
- module ctwind
- · type ctwind::ctwindfiles
- type ctwind::ct_backgr
- · module fdwind
- · module ffwind
- interface ffwind::ff_getvalue
- · module hawcwind
- module hhwind
- type hhwind::hh_info
- · module userwind
- · module inflowwind
- type inflowwind::inflinitinfo

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.

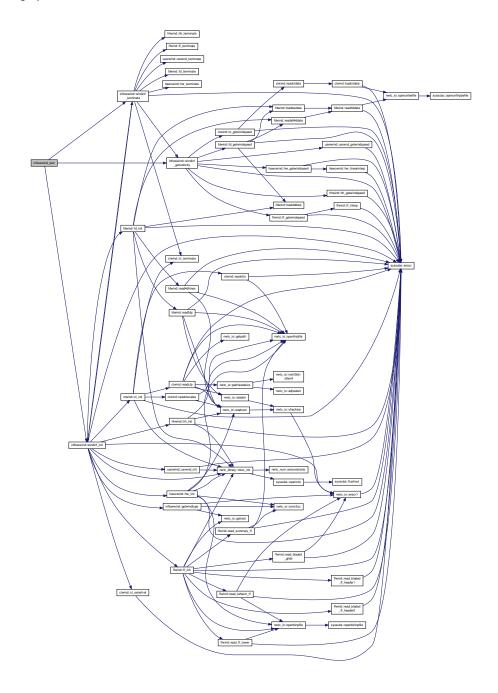
Here is the caller graph for this function:



4.1.1.2 program inflowwind_test ()

Definition at line 7 of file tempassembled.f90.

Here is the call graph for this function:



Index

ala anta mila.	
aborterrlev	nwtc_io, 143
nwtc_io, 199	nwtc_io::allocary, 13, 14
addedmass	allrary4
modmesh::meshtype, 119	nwtc_io, 143
addorsub2pi	nwtc_io::allocary, 14
nwtc_num, 205	alpha
adjrealstr	nwtc_aero::aerotable, 4
nwtc_io, 139, 140	aod
advect	nwtc_aero::aerodata, 3
fdwind, 53	nwtc_aero::aerotable, 4
advfiles	aol
fdwind, 53	nwtc_aero::aerodata, 3
aeroint	nwtc_aero::aerotable, 5
nwtc_aero, 127	
alfastal	b1ki
nwtc_aero::aerodata, 3	precision, 224
nwtc aero::aerotable, 4	b2ki
allcary1	precision, 224
nwtc io, 140	b4ki
nwtc io::allocary, 7, 8	precision, 224
allcary2	b8ki
nwtc io, 140	precision, 224
nwtc_io::allocary, 8	be
allcary3	syssubs, 253
nwtc io, 140	beep
nwtc_io::allocary, 8, 9	nwtc io, 199
alliary1	bsortreal
·	nwtc num, 205
nwtc_io, 140, 141	but
nwtc_io::allocary, 9	syssubs, 254
alliary2	by
nwtc_io, 141	syssubs, 254
nwtc_io::allocary, 10	bytesperdbki
alliary3	precision, 224
nwtc_io, 141	bytesperintki
nwtc_io::allocary, 10	
alllary1	precision, 224
nwtc_io, 141	bytesperreki
nwtc_io::allocary, 11	precision, 224
alllary2	called
nwtc_io, 141, 142	syssubs, 254
nwtc_io::allocary, 11	cd
alllary3	
nwtc_io, 142	nwtc_aero::aerodata, 3
nwtc_io::allocary, 12	nwtc_aero::aerotable, 5
allrary1	cd0
nwtc io, 142	nwtc_aero::aerodata, 3
nwtc_io::allocary, 12, 13	nwtc_aero::aerotable, 5
allrary2	channames
nwtc_io, 142	nwtc_io::fastdatatype, 38
nwtc_io::allocary, 13	chanunits
allrary3	nwtc_io::fastdatatype, 38
ama yo	checkargs

nwtc_io, 143, 144	ctwind::ctwindfiles, 32
checkios	ctdistsc
nwtc_io, 145, 146	ctwind, 30
cl	ctext
nwtc_aero::aerodata, 3	ctwind, 30
nwtc_aero::aerotable, 5	ctly
closeecho	ctwind, 30
nwtc_io, 146, 147	ctlz
cm	ctwind, 30
nwtc_aero::aerodata, 3	ctoffset
nwtc_aero::aerotable, 5	ctwind, 30
cna	ctp_wind
nwtc_aero::aerodata, 3	sharedinflowdefns, 236
nwtc_aero::aerotable, 5	ctrl
cns	nwtc_aero::aerotable, 5
nwtc_aero::aerodata, 3	ctscale
nwtc_aero::aerotable, 5	ctwind, 30
cnsl	ctscalevel
nwtc_aero::aerodata, 3	ctwind, 30
nwtc_aero::aerotable, 5	ctspath
coherentstr	ctwind, 30
ctwind::ct_backgr, 15	cttsfile
committed	ctwind::ctwindfiles, 32
modmesh::meshtype, 119	ctvel files
compdr	ctwind, 30
nwtc_aero, 128, 129	ctvelu
conrect	ctwind, 30
00111001	,
eveeuhe 254	CtVEIV
syssubs, 254	ctwind 30
conv2uc	ctwind, 30
conv2uc nwtc_io, 147	ctwind, 30 ctvelw
conv2uc nwtc_io, 147 countwords	ctwind, 30 ctvelw ctwind, 30
conv2uc nwtc_io, 147 countwords nwtc_io, 147, 148	ctwind, 30 ctvelw ctwind, 30 ctvertshft
conv2uc nwtc_io, 147 countwords nwtc_io, 147, 148 cpmin	ctwind, 30 ctvelw ctwind, 30 ctvertshft ctwind, 30
conv2uc nwtc_io, 147 countwords nwtc_io, 147, 148 cpmin nwtc_aero::aerodata, 3	ctwind, 30 ctvelw ctwind, 30 ctvertshft ctwind, 30 ctwind, 15
conv2uc nwtc_io, 147 countwords nwtc_io, 147, 148 cpmin nwtc_aero::aerodata, 3 nwtc_aero::aerotable, 5	ctwind, 30 ctvelw ctwind, 30 ctvertshft ctwind, 30 ctwind, 15 ct_df_y, 29
conv2uc nwtc_io, 147 countwords nwtc_io, 147, 148 cpmin nwtc_aero::aerodata, 3 nwtc_aero::aerotable, 5 cross_product	ctwind, 30 ctvelw ctwind, 30 ctvertshft ctwind, 30 ctwind, 15 ct_df_y, 29 ct_df_z, 29
conv2uc nwtc_io, 147 countwords nwtc_io, 147, 148 cpmin nwtc_aero::aerodata, 3 nwtc_aero::aerotable, 5 cross_product nwtc_num, 205, 206	ctwind, 30 ctvelw ctwind, 30 ctvertshft ctwind, 30 ctwind, 15 ct_df_y, 29 ct_df_z, 29 ct_getwindspeed, 17, 18
conv2uc nwtc_io, 147 countwords nwtc_io, 147, 148 cpmin nwtc_aero::aerodata, 3 nwtc_aero::aerotable, 5 cross_product nwtc_num, 205, 206 ct_df_y	ctwind, 30 ctvelw ctwind, 30 ctvertshft ctwind, 30 ctwind, 15 ct_df_y, 29 ct_df_z, 29 ct_getwindspeed, 17, 18 ct_init, 18, 19
conv2uc nwtc_io, 147 countwords nwtc_io, 147, 148 cpmin nwtc_aero::aerodata, 3 nwtc_aero::aerotable, 5 cross_product nwtc_num, 205, 206	ctwind, 30 ctvelw ctwind, 30 ctvertshft ctwind, 30 ctwind, 15 ct_df_y, 29 ct_df_z, 29 ct_getwindspeed, 17, 18 ct_init, 18, 19 ct_setrefval, 20, 21
conv2uc nwtc_io, 147 countwords nwtc_io, 147, 148 cpmin nwtc_aero::aerodata, 3 nwtc_aero::aerotable, 5 cross_product nwtc_num, 205, 206 ct_df_y	ctwind, 30 ctvelw ctwind, 30 ctvertshft ctwind, 30 ctwind, 15 ct_df_y, 29 ct_df_z, 29 ct_getwindspeed, 17, 18 ct_init, 18, 19 ct_setrefval, 20, 21 ct_terminate, 21, 22
conv2uc nwtc_io, 147 countwords nwtc_io, 147, 148 cpmin nwtc_aero::aerodata, 3 nwtc_aero::aerotable, 5 cross_product nwtc_num, 205, 206 ct_df_y ctwind, 29	ctwind, 30 ctvelw ctwind, 30 ctvertshft ctwind, 30 ctwind, 15 ct_df_y, 29 ct_df_z, 29 ct_getwindspeed, 17, 18 ct_init, 18, 19 ct_setrefval, 20, 21 ct_terminate, 21, 22 ct_zref, 30
conv2uc nwtc_io, 147 countwords nwtc_io, 147, 148 cpmin nwtc_aero::aerodata, 3 nwtc_aero::aerotable, 5 cross_product nwtc_num, 205, 206 ct_df_y ctwind, 29 ct_df_z	ctwind, 30 ctvelw ctwind, 30 ctvertshft ctwind, 30 ctwind, 15 ct_df_y, 29 ct_df_z, 29 ct_getwindspeed, 17, 18 ct_init, 18, 19 ct_setrefval, 20, 21 ct_terminate, 21, 22
conv2uc nwtc_io, 147 countwords nwtc_io, 147, 148 cpmin nwtc_aero::aerodata, 3 nwtc_aero::aerotable, 5 cross_product nwtc_num, 205, 206 ct_df_y ctwind, 29 ct_df_z ctwind, 29	ctwind, 30 ctvelw ctwind, 30 ctvertshft ctwind, 30 ctwind, 15 ct_df_y, 29 ct_df_z, 29 ct_getwindspeed, 17, 18 ct_init, 18, 19 ct_setrefval, 20, 21 ct_terminate, 21, 22 ct_zref, 30
conv2uc nwtc_io, 147 countwords nwtc_io, 147, 148 cpmin nwtc_aero::aerodata, 3 nwtc_aero::aerotable, 5 cross_product nwtc_num, 205, 206 ct_df_y ctwind, 29 ct_df_z ctwind, 29 ct_flag	ctwind, 30 ctvelw ctwind, 30 ctvertshft ctwind, 30 ctwind, 15 ct_df_y, 29 ct_df_z, 29 ct_getwindspeed, 17, 18 ct_init, 18, 19 ct_setrefval, 20, 21 ct_terminate, 21, 22 ct_zref, 30 ctdistsc, 30
conv2uc nwtc_io, 147 countwords nwtc_io, 147, 148 cpmin nwtc_aero::aerodata, 3 nwtc_aero::aerotable, 5 cross_product nwtc_num, 205, 206 ct_df_y ctwind, 29 ct_df_z ctwind, 29 ct_flag inflowwind, 114	ctwind, 30 ctvelw ctwind, 30 ctvertshft ctwind, 30 ctwind, 15 ct_df_y, 29 ct_df_z, 29 ct_getwindspeed, 17, 18 ct_init, 18, 19 ct_setrefval, 20, 21 ct_terminate, 21, 22 ct_zref, 30 ctdistsc, 30 ctext, 30
conv2uc nwtc_io, 147 countwords nwtc_io, 147, 148 cpmin nwtc_aero::aerodata, 3 nwtc_aero::aerotable, 5 cross_product nwtc_num, 205, 206 ct_df_y ctwind, 29 ct_df_z ctwind, 29 ct_flag inflowwind, 114 ct_getwindspeed	ctwind, 30 ctvelw ctwind, 30 ctvertshft ctwind, 30 ctwind, 15 ct_df_y, 29 ct_df_z, 29 ct_getwindspeed, 17, 18 ct_init, 18, 19 ct_setrefval, 20, 21 ct_terminate, 21, 22 ct_zref, 30 ctdistsc, 30 ctext, 30 ctly, 30
conv2uc nwtc_io, 147 countwords nwtc_io, 147, 148 cpmin nwtc_aero::aerodata, 3 nwtc_aero::aerotable, 5 cross_product nwtc_num, 205, 206 ct_df_y ctwind, 29 ct_df_z ctwind, 29 ct_flag inflowwind, 114 ct_getwindspeed ctwind, 17, 18	ctwind, 30 ctvelw ctwind, 30 ctvertshft ctwind, 30 ctwind, 15 ct_df_y, 29 ct_df_z, 29 ct_getwindspeed, 17, 18 ct_init, 18, 19 ct_setrefval, 20, 21 ct_terminate, 21, 22 ct_zref, 30 ctdistsc, 30 ctext, 30 ctly, 30 ctlz, 30
conv2uc nwtc_io, 147 countwords nwtc_io, 147, 148 cpmin nwtc_aero::aerodata, 3 nwtc_aero::aerotable, 5 cross_product nwtc_num, 205, 206 ct_df_y ctwind, 29 ct_df_z ctwind, 29 ct_flag inflowwind, 114 ct_getwindspeed ctwind, 17, 18 ct_init	ctwind, 30 ctvelw ctwind, 30 ctvertshft ctwind, 30 ctwind, 15 ct_df_y, 29 ct_df_z, 29 ct_getwindspeed, 17, 18 ct_init, 18, 19 ct_setrefval, 20, 21 ct_terminate, 21, 22 ct_zref, 30 ctdistsc, 30 ctext, 30 ctly, 30 ctlz, 30 ctoffset, 30
conv2uc nwtc_io, 147 countwords nwtc_io, 147, 148 cpmin nwtc_aero::aerodata, 3 nwtc_aero::aerotable, 5 cross_product nwtc_num, 205, 206 ct_df_y ctwind, 29 ct_df_z ctwind, 29 ct_flag inflowwind, 114 ct_getwindspeed ctwind, 17, 18 ct_init ctwind, 18, 19 ct_setrefval	ctwind, 30 ctvelw ctwind, 30 ctvertshft ctwind, 30 ctwind, 15 ct_df_y, 29 ct_df_z, 29 ct_getwindspeed, 17, 18 ct_init, 18, 19 ct_setrefval, 20, 21 ct_terminate, 21, 22 ct_zref, 30 ctdistsc, 30 ctext, 30 ctly, 30 ctlz, 30 ctoffset, 30 ctscale, 30 ctscalevel, 30
conv2uc nwtc_io, 147 countwords nwtc_io, 147, 148 cpmin nwtc_aero::aerodata, 3 nwtc_aero::aerotable, 5 cross_product nwtc_num, 205, 206 ct_df_y ctwind, 29 ct_df_z ctwind, 29 ct_flag inflowwind, 114 ct_getwindspeed ctwind, 17, 18 ct_init ctwind, 18, 19 ct_setrefval ctwind, 20, 21	ctwind, 30 ctvelw ctwind, 30 ctvertshft ctwind, 30 ctwind, 15 ct_df_y, 29 ct_df_z, 29 ct_getwindspeed, 17, 18 ct_init, 18, 19 ct_setrefval, 20, 21 ct_terminate, 21, 22 ct_zref, 30 ctdistsc, 30 ctdistsc, 30 cttx, 30 ctlz, 30 ctscale, 30 ctscalevel, 30 ctspath, 30
conv2uc nwtc_io, 147 countwords nwtc_io, 147, 148 cpmin nwtc_aero::aerodata, 3 nwtc_aero::aerotable, 5 cross_product nwtc_num, 205, 206 ct_df_y ctwind, 29 ct_df_z ctwind, 29 ct_flag inflowwind, 114 ct_getwindspeed ctwind, 17, 18 ct_init ctwind, 18, 19 ct_setrefval ctwind, 20, 21 ct_terminate	ctwind, 30 ctvelw ctwind, 30 ctvertshft ctwind, 30 ctwind, 15 ct_df_y, 29 ct_df_z, 29 ct_getwindspeed, 17, 18 ct_init, 18, 19 ct_setrefval, 20, 21 ct_terminate, 21, 22 ct_zref, 30 ctdistsc, 30 ctext, 30 ctly, 30 ctly, 30 ctlz, 30 ctscale, 30 ctscalevel, 30 ctspath, 30 ctvel_files, 30
conv2uc nwtc_io, 147 countwords nwtc_io, 147, 148 cpmin nwtc_aero::aerodata, 3 nwtc_aero::aerotable, 5 cross_product nwtc_num, 205, 206 ct_df_y ctwind, 29 ct_df_z ctwind, 29 ct_flag inflowwind, 114 ct_getwindspeed ctwind, 17, 18 ct_init ctwind, 18, 19 ct_setrefval ctwind, 20, 21 ct_terminate ctwind, 21, 22	ctwind, 30 ctvelw ctwind, 30 ctvertshft ctwind, 30 ctwind, 15 ct_df_y, 29 ct_df_z, 29 ct_getwindspeed, 17, 18 ct_init, 18, 19 ct_setrefval, 20, 21 ct_terminate, 21, 22 ct_zref, 30 ctdistsc, 30 ctext, 30 ctly, 30 ctlz, 30 ctscale, 30 ctscale, 30 ctscalevel, 30 ctspath, 30 ctvel_files, 30 ctvelu, 30
conv2uc nwtc_io, 147 countwords nwtc_io, 147, 148 cpmin nwtc_aero::aerodata, 3 nwtc_aero::aerotable, 5 cross_product nwtc_num, 205, 206 ct_df_y ctwind, 29 ct_df_z ctwind, 29 ct_flag inflowwind, 114 ct_getwindspeed ctwind, 17, 18 ct_init ctwind, 18, 19 ct_setrefval ctwind, 20, 21 ct_terminate ctwind, 21, 22 ct_zref	ctwind, 30 ctvelw ctwind, 30 ctvertshft ctwind, 30 ctwind, 15 ct_df_y, 29 ct_df_z, 29 ct_getwindspeed, 17, 18 ct_init, 18, 19 ct_setrefval, 20, 21 ct_terminate, 21, 22 ct_zref, 30 ctdistsc, 30 ctext, 30 ctly, 30 ctlz, 30 ctscale, 30 ctscale, 30 ctscalevel, 30 ctspath, 30 ctvel_files, 30 ctvelv, 30
conv2uc nwtc_io, 147 countwords nwtc_io, 147, 148 cpmin nwtc_aero::aerodata, 3 nwtc_aero::aerotable, 5 cross_product nwtc_num, 205, 206 ct_df_y ctwind, 29 ct_df_z ctwind, 29 ct_flag inflowwind, 114 ct_getwindspeed ctwind, 17, 18 ct_init ctwind, 18, 19 ct_setrefval ctwind, 20, 21 ct_terminate ctwind, 21, 22	ctwind, 30 ctvelw ctwind, 30 ctvertshft ctwind, 30 ctwind, 15 ct_df_y, 29 ct_df_z, 29 ct_getwindspeed, 17, 18 ct_init, 18, 19 ct_setrefval, 20, 21 ct_terminate, 21, 22 ct_zref, 30 ctdistsc, 30 ctext, 30 ctly, 30 ctlz, 30 ctscale, 30 ctscale, 30 ctscalevel, 30 ctspath, 30 ctvel_files, 30 ctvelu, 30

ctwindunit, 31	data
ctyhwid, 31	nwtc_io::fastdatatype, 38
ctymax, 31	date
ctyt, 31	nwtc_io::progdesc, 225
ctzmax, 31	dbki
delyctgrid, 31	precision, 224
delzctgrid, 31	default_wind
indct_hi, 31	sharedinflowdefns, 236
indct_lo, 31	delta
invmctws, 31	hhwind, 94
loadctdata, 23, 24	deltaxinv
numcomps, 31	hawcwind, 85
numctt, 31	deltayinv
numcty, 31	hawcwind, 85
numctyd, 31	deltazinv
numctyd1, 32	hawcwind, 85
numctz, 32	delxgrid
numctzd, 32	fdwind, 53
numctzd1, 32	delyctgrid
readctdata, 24, 25	ctwind, 31
readctp, 25, 26	delygrid
readctscales, 27, 28	fdwind, 53
readctts, 28, 29	delzctgrid
tdata, 32	ctwind, 31
timeindx, 32	delzgrid
timestpct, 32	fdwind, 53
ctwind::ct_backgr, 15	descr
coherentstr, 15	nwtc_io::fastdatatype, 38
windfile, 15	dispnvd0
windfiletype, 15	nwtc_io, 150, 151
ctwind::ctwindfiles, 32	nwtc_io::dispnvd, 33
ctbackgr, 32	dispnvd1
cttsfile, 32	nwtc_io, 151, 152
ctwindunit	nwtc_io::dispnvd, 33, 34
ctwind, 31	dispnvd2
•	•
ctyhwid	nwtc_io, 152, 153
ctwind, 31	nwtc_io::dispnvd, 34
ctymax	echo
ctwind, 31	nwtc io, 199
ctyt	eldersibling
ctwind, 31	S .
ctzmax	modmesh::meshtype, 119
ctwind, 31	element_hex20
CU	modmesh::meshtype, 119
syssubs, 254	element_hex8
curdate	modmesh::meshtype, 119
nwtc_io, 148, 149	element_line2
curtime	modmesh::meshtype, 119
nwtc_io, 149, 150	element_line3
	modmesh::meshtype, 119
d2r	element_point
nwtc_num, 222	modmesh::meshtype, 119
d2r_d	element_quad4
nwtc_num, 222	modmesh::meshtype, 119

element_quad8	fdfileno
modmesh::meshtype, 119	fdwind, 54
element_tet10	fdper
modmesh::meshtype, 119	fdwind, 54
element_tet4	fdrecl
modmesh::meshtype, 120	fdwind, 54
element_tri3	fdspath
modmesh::meshtype, 120	fdwind, 54
element_tri6	fdtime
modmesh::meshtype, 120	fdwind, 54
element_wedge15	fdu
modmesh::meshtype, 120	fdwind, 54
element_wedge6	fdudata
modmesh::meshtype, 120	fdwind, 54
endian	fdunit
syssubs, 254	fdwind, 54
equalrealnos16	fdv
nwtc_num, 206, 207	fdwind, 54
nwtc_num::equalrealnos, 36	fdvdata
equalrealnos4	fdwind, 54
nwtc num, 207, 208	fdw
nwtc_num::equalrealnos, 36	fdwind, 54
equalrealnos8	fdwdata
nwtc_num, 208, 209	fdwind, 54
nwtc_num::equalrealnos, 37	fdwind, 38
errid_fatal	advect, 53
nwtc_io, 199	advfiles, 53
errid info	delxgrid, 53
nwtc_io, 199	delygrid, 53
errid none	delzgrid, 53
nwtc_io, 200	fd_df_x, 53
errid severe	fd_df_y, 53
nwtc_io, 200	fd_df_z, 53
errid warn	fd_getvalue, 41, 42
nwtc_io, 200	fd_getwindspeed, 42, 43
exitthisroutine	fd_init, 43, 44
tempassembled.f90, 266	fd_terminate, 45, 46
tempassembled:100, 200	fdfileno, 54
fd df x	fdper, 54
fdwind, 53	fdrecl, 54
fd_df_y	fdspath, 54
fdwind, 53	fdtime, 54
fd df z	fdu, 54
fdwind, 53	
fd_getvalue	fdudata, 54
fdwind, 41, 42	fdunit, 54
fd_getwindspeed	fdv, 54
fdwind, 42, 43	fdvdata, 54
fd init	fdw, 54
fdwind, 43, 44	fdwdata, 54
fd_terminate	ind4dadv, 54
	ind4dnew, 54
fdwind, 45, 46	ind4dold, 55
fd_wind	initialized, 55
sharedinflowdefns, 236	load4ddata, 46, 47

loadlesdata, 47, 48	ffwind, 76
lx, 55	ffdtime
ly, 55	ffwind, 76
lz, 55	ffrate
num4dt, 55	ffwind, 76
num4dtd, 55	fftower
num4dx, 55	ffwind, 76
num4dxd, 55	ffwind, 58
num4dxd1, 55	ff_getrvalue, 60
num4dy, 55	ff_getwindspeed, 61, 62
num4dyd, 55	ff_init, 62-64
num4dyd1, 55	ff_interp, 65, 66
num4dz, 55	ff_terminate, 66, 67
num4dzd, 56	ffdata, 76
num4dzd1, 56	ffdtime, 76
numadvect, 56	ffrate, 76
offsets, 56	fftower, 76
prevtime, 56	ffyhwid, 76
read4ddata, 48, 49	ffzhwid, 76
read4dtimes, 49, 50	gridbase, 76
readall4ddata, 50, 51	initialized, 76
readfdp, 52	initxposition, 76
rotdiam, 56	invffyd, 76
scalevel, 56	invffzd, 76
scalfact, 56	invmffws, 77
shft4dnew, 56	meanffws, 77
t_4d_en, 56	nffcomp, 77
t_4d_st, 56	nffsteps, 77
times4d, 56	ntgrids, 77
times4dix, 56	nygrids, 77
tm_max, 56	nzgrids, 77
tsclfact, 57	periodic, 77
vertshft, 57	read_bladed_ff_header0, 67, 68
xmax, 57	read bladed ff header1, 69, 70
xt, 57	read_bladed_grids, 70, 71
ymax, 57	read_ff_tower, 71, 72
yt, 57	read_summary_ff, 73, 74
zmax, 57	read_turbsim_ff, 75
zref, 57	refht, 77
zt, 57	totaltime, 77
ff_getrvalue	ffwind::ff_getvalue, 57
ffwind, 60	ff getrvalue, 58
ffwind::ff_getvalue, 58	
ff_getwindspeed	ffyhwid ffwind, 76
ffwind, 61, 62	ffzhwid
ff_init	ffwind, 76
ffwind, 62–64	file
ff_interp	nwtc_io::fastdatatype, 38
ffwind, 65, 66	flgtype
ff_terminate	nwtc_io, 200
ffwind, 66, 67	flt2lstr
ff_wind	nwtc_io, 153, 154
sharedinflowdefns, 236	flushout
ffdata	syssubs, 238, 239

,	
force	deltayinv, 85
modmesh::meshtype, 120	deltazinv, 85
ftb	gridbase, 85
nwtc_aero::aerodata, 3	hw_getvalue, 78, 79
nwtc_aero::aerotable, 5	hw_getwindspeed, 80
ftbc	hw_init, 81, 82
nwtc_aero::aerodata, 3	hw_linearinterp, 82, 83
nwtc_aero::aerotable, 5	hw_terminate, 84
	initialized, 85
get_arg	lengthx, 85
syssubs, 239	lengthyhalf, 85
get_arg_num	nc, 85
syssubs, 239	nx, <mark>85</mark>
get_command	ny, 85
syssubs, 240	nz, 85
get_command_argument	refht, 86
syssubs, 240	uref, 86
get cwd	
syssubs, 241	winddata, 86
get env	here
syssubs, 241	syssubs, 254
•	hh_get_adhack_windspeed
get_environment_variable	hhwind, 88, 89
syssubs, 242, 243	hh_getwindspeed
getaf	hhwind, 89, 90
nwtc_aero, 129, 130	hh_init
getcoef	hhwind, 90, 91
nwtc_aero, 131, 132	hh_setlinearizedels
getcoefs	hhwind, 91, 92
nwtc_aero, 132, 133	hh_terminate
getnewunit	hhwind, 93
nwtc_io, 155	hh wind
getnvd	sharedinflowdefns, 236
nwtc_io, 155, 156	hhwind, 86
getpath	delta, 94
nwtc_io, 156	hh get adhack windspeed, 88, 89
getroot	hh_getwindspeed, 89, 90
nwtc io, 156, 157	hh init, 90, 91
getsmllrotangs	hh_setlinearizedels, 91, 92
nwtc_num, 209, 210	hh_terminate, 93
gettokens	hshr, 94
nwtc io, 157	
getwindtype	linearize, 94
inflowwind, 97, 98	linearizedels, 94
getwords	numdatalines, 94
_	refht, 94
nwtc_io, 157	refwid, 94
gl_pts	tdata, 94
nwtc_num, 210, 211	timeindx, 94
gridbase	v, 94
ffwind, 76	vgust, 94
hawcwind, 85	vlinshr, 94
have wind	vshr, 95
hawc_wind	vz, 95
sharedinflowdefns, 236	hhwind::hh_info, 86
hawcwind, 77	referenceheight, 86
deltaxinv, 85	- ,

width, 86	initialized
hshr	fdwind, 55
hhwind, 94	ffwind, 76
hw_getvalue	hawcwind, 85
hawcwind, 78, 79	userwind, 263
hw_getwindspeed	initxposition
hawcwind, 80	ffwind, 76
hw init	int2lstr
hawcwind, 81, 82	nwtc io, 158
hw_linearinterp	nwtc_io::num2lstr, 123, 124
hawcwind, 82, 83	interpbincomp
hw terminate	nwtc_num, 212, 213
hawcwind, 84	nwtc_num::interpbin, 114, 115
navovina, o i	interpoinreal
ic	nwtc_num, 213, 214
syssubs, 254	nwtc_num::interpbin, 115
ind	interpstpcomp
nwtc_aero::aerotable, 5	
nwtc_aero::alfindx, 6	nwtc_num, 214, 215
ind4dadv	nwtc_num::interpstp, 116
fdwind, 54	interpstpreal
ind4dnew	nwtc_num, 215, 216
	nwtc_num::interpstp, 117
fdwind, 54	intindx
ind4dold	nwtc_num, 222
fdwind, 55	intki
indct_hi	precision, 224
ctwind, 31	invffyd
indct_lo	ffwind, 76
ctwind, 31	invffzd
indexcharary	ffwind, 76
nwtc_num, 211, 212	invmctws
inf	ctwind, 31
nwtc_num, 222	invmffws
inf_d	ffwind, 77
nwtc_num, 222	ios
inflowwind, 96	modmesh::meshtype, 120
ct_flag, 114	is
getwindtype, 97, 98	syssubs, 254
unwind, 114	is_nan
windinf_adhack_dicheck, 98, 99	syssubs, 243, 244
windinf_adhack_diskvel, 100, 101	it
windinf_getvelocity, 102, 103	syssubs, 254
windinf_init, 104, 105, 107	
windinf_linearizeperturbation, 108, 109	lengthx
windinf_terminate, 110-112	hawcwind, 85
windinfver, 114	lengthyhalf
windtype, 114	hawcwind, 85
inflowwind::inflinitinfo, 95	linearize
referenceheight, 95	hhwind, 94
width, 95	linearizedels
windfilename, 95	hhwind, 94
windfiletype, 95	load4ddata
inflowwind test	fdwind, 46, 47
tempassembled.f90, 266	loadctdata
1	

ctwind, 23, 24	nline3, 120
loadlesdata	nnodes, 120
fdwind, 47, 48	npoint, 121
locatebin	nquad4, 121
nwtc_num, 216	nquad8, 121
locatestp	ntet10, 121
nwtc_num, 216, 217	ntet4, 121
X filtrical EE	ntri3, 121
fdwind, 55	ntri6, 121
ly felwind EE	nwedge15, 121 nwedge6, 121
fdwind, 55	orientation, 121
Iz fdwind, 55	position, 121
idwilia, 55	remapflag, 121
maxlen	rotation, 121
syssubs, 254	scalars, 121
mean	translation, 122
nwtc num, 217	youngersibling, 122
meanffws	moment
ffwind, 77	modmesh::meshtype, 120
mesh_newcopy	mpi2pi
modmesh, 122	nwtc num, 218
mesh_sibling	must
modmesh, 122	syssubs, 254
mesh_updatecopy	3933005, 204
modmesh, 122	name
modmesh, 122	nwtc_io::progdesc, 225
mesh_newcopy, 122	nameofile
mesh_sibling, 122	nwtc io, 159, 160
mesh_updatecopy, 122	nan
modmesh::meshtype, 117	nwtc num, 222
addedmass, 119	nan d
committed, 119	nwtc num, 222
eldersibling, 119	nc
element_hex20, 119	hawcwind, 85
element_hex8, 119	nelements
	Helenienis
element_line2, 119	
element_line2, 119 element_line3, 119	modmesh::meshtype, 120
	modmesh::meshtype, 120 nffcomp
element_line3, 119	modmesh::meshtype, 120
element_line3, 119 element_point, 119	modmesh::meshtype, 120 nffcomp ffwind, 77
element_line3, 119 element_point, 119 element_quad4, 119	modmesh::meshtype, 120 nffcomp ffwind, 77 nffsteps
element_line3, 119 element_point, 119 element_quad4, 119 element_quad8, 119	modmesh::meshtype, 120 nffcomp ffwind, 77 nffsteps ffwind, 77
element_line3, 119 element_point, 119 element_quad4, 119 element_quad8, 119 element_tet10, 119	modmesh::meshtype, 120 nffcomp ffwind, 77 nffsteps ffwind, 77 nhex20
element_line3, 119 element_point, 119 element_quad4, 119 element_quad8, 119 element_tet10, 119 element_tet4, 120	modmesh::meshtype, 120 nffcomp ffwind, 77 nffsteps ffwind, 77 nhex20 modmesh::meshtype, 120
element_line3, 119 element_point, 119 element_quad4, 119 element_quad8, 119 element_tet10, 119 element_tet4, 120 element_tri3, 120	modmesh::meshtype, 120 nffcomp ffwind, 77 nffsteps ffwind, 77 nhex20 modmesh::meshtype, 120 nhex8
element_line3, 119 element_point, 119 element_quad4, 119 element_quad8, 119 element_tet10, 119 element_tet4, 120 element_tri3, 120 element_tri6, 120	modmesh::meshtype, 120 nffcomp ffwind, 77 nffsteps ffwind, 77 nhex20 modmesh::meshtype, 120 nhex8 modmesh::meshtype, 120
element_line3, 119 element_point, 119 element_quad4, 119 element_quad8, 119 element_tet10, 119 element_tet4, 120 element_tri3, 120 element_tri6, 120 element_wedge15, 120	modmesh::meshtype, 120 nffcomp ffwind, 77 nffsteps ffwind, 77 nhex20 modmesh::meshtype, 120 nhex8 modmesh::meshtype, 120 nl_len syssubs, 254 nline2
element_line3, 119 element_point, 119 element_quad4, 119 element_quad8, 119 element_tet10, 119 element_tet4, 120 element_tri3, 120 element_tri6, 120 element_wedge15, 120 element_wedge6, 120	modmesh::meshtype, 120 nffcomp ffwind, 77 nffsteps ffwind, 77 nhex20 modmesh::meshtype, 120 nhex8 modmesh::meshtype, 120 nl_len syssubs, 254
element_line3, 119 element_point, 119 element_quad4, 119 element_quad8, 119 element_tet10, 119 element_tet4, 120 element_tri3, 120 element_tri6, 120 element_wedge15, 120 element_wedge6, 120 force, 120 ios, 120 moment, 120	modmesh::meshtype, 120 nffcomp ffwind, 77 nffsteps ffwind, 77 nhex20 modmesh::meshtype, 120 nhex8 modmesh::meshtype, 120 nl_len syssubs, 254 nline2 modmesh::meshtype, 120 nline3
element_line3, 119 element_point, 119 element_quad4, 119 element_quad8, 119 element_tet10, 119 element_tet4, 120 element_tri3, 120 element_tri6, 120 element_wedge15, 120 element_wedge6, 120 force, 120 ios, 120 moment, 120 nelements, 120	modmesh::meshtype, 120 nffcomp ffwind, 77 nffsteps ffwind, 77 nhex20 modmesh::meshtype, 120 nhex8 modmesh::meshtype, 120 nl_len syssubs, 254 nline2 modmesh::meshtype, 120
element_line3, 119 element_point, 119 element_quad4, 119 element_quad8, 119 element_tet10, 119 element_tet4, 120 element_tri3, 120 element_tri6, 120 element_wedge15, 120 element_wedge6, 120 force, 120 ios, 120 moment, 120	modmesh::meshtype, 120 nffcomp ffwind, 77 nffsteps ffwind, 77 nhex20 modmesh::meshtype, 120 nhex8 modmesh::meshtype, 120 nl_len syssubs, 254 nline2 modmesh::meshtype, 120 nline3
element_line3, 119 element_point, 119 element_quad4, 119 element_quad8, 119 element_tet10, 119 element_tet4, 120 element_tri3, 120 element_tri6, 120 element_wedge15, 120 element_wedge6, 120 force, 120 ios, 120 moment, 120 nelements, 120 nhex20, 120 nhex8, 120	modmesh::meshtype, 120 nffcomp ffwind, 77 nffsteps ffwind, 77 nhex20 modmesh::meshtype, 120 nhex8 modmesh::meshtype, 120 nl_len syssubs, 254 nline2 modmesh::meshtype, 120 nline3 modmesh::meshtype, 120
element_line3, 119 element_point, 119 element_quad4, 119 element_quad8, 119 element_tet10, 119 element_tet4, 120 element_tri3, 120 element_tri6, 120 element_wedge15, 120 element_wedge6, 120 force, 120 ios, 120 moment, 120 nelements, 120 nhex20, 120	modmesh::meshtype, 120 nffcomp ffwind, 77 nffsteps ffwind, 77 nhex20 modmesh::meshtype, 120 nhex8 modmesh::meshtype, 120 nl_len syssubs, 254 nline2 modmesh::meshtype, 120 nline3 modmesh::meshtype, 120 nnodes

nwtc_io, 160, 161	ctwind, 31
npoint	numctyd1
modmesh::meshtype, 121	ctwind, 32
nquad4	numctz
modmesh::meshtype, 121	ctwind, 32
nquad8	numctzd
modmesh::meshtype, 121	ctwind, 32
ntet10	numctzd1
modmesh::meshtype, 121	ctwind, 32
ntet4	numdatalines
modmesh::meshtype, 121	hhwind, 94
ntgrids	numelm
ffwind, 77	nwtc_aero::alfindx, 6
ntri3	numrecs
modmesh::meshtype, 121	nwtc_io::fastdatatype, 38
ntri6	numtabs
modmesh::meshtype, 121	nwtc_aero::elmtable, 35
num4dt	numtype
fdwind, 55	nwtc_io, 200
num4dtd	nwedge15
fdwind, 55	modmesh::meshtype, 121
num4dx	nwedge6
fdwind, 55	modmesh::meshtype, 121
num4dxd	nwtc_aero, 126
fdwind, 55	aeroint, 127
num4dxd1	compdr, 128, 129
fdwind, 55	getaf, 129, 130
num4dy	getcoef, 131, 132
fdwind, 55	getcoefs, 132, 133
num4dyd	usecm, 134
fdwind, 55	usecpmin, 134
num4dyd1	nwtc_aero::aerodata, 2
fdwind, 55	alfastal, 3
num4dz	aod, 3
fdwind, 55	aol, 3
num4dzd	cd, 3
fdwind, 56	cd0, 3
num4dzd1	cl, 3
fdwind, 56	cm, 3
numadvect	cna, 3
fdwind, 56	cns, 3
numalf	cnsl, 3
nwtc_aero::aerotable, 5	cpmin, 3
numbld	ftb, 3
nwtc_aero::alfindx, 6	ftbc, 3
numchans	nwtc_aero::aerotable, 4
nwtc_io::fastdatatype, 38	alfastal, 4
numcomps	alpha, 4
ctwind, 31	aod, 4
numctt	aol, 5
ctwind, 31	cd, 5
numcty	cd0, 5
ctwind, 31	cl, 5
numctyd	cm, 5

cna, 5	getnewunit, 155
cns, 5	getnvd, 155, 156
cnsl, 5	getpath, 156
cpmin, 5	getroot, 156, 157
ctrl, 5	gettokens, 157
ftb, 5	getwords, 157
ftbc, 5	int2lstr, 158
ind, 5	nameofile, 159, 160
numalf, 5	normstop, 160, 161
re, 6	numtype, 200
nwtc_aero::alfindx, 6	nwtc_ver, 200
ind, 6	openbin, 162
numbld, 6	openbinpfile, 163, 164
numelm, 6	openecho, 164, 165
nwtc_aero::elmtable, 35	openfinpfile, 165, 166
numtabs, 35	openfoutfile, 166
tab, 35	openfunkfile, 166
nwtc_init	openuinbefile, 166, 167
nwtc_library, 201, 202	openuinfile, 168
nwtc_io, 134	openuoutfile, 168
aborterrlev, 199	pathisrelative, 168, 169
adjrealstr, 139, 140	progname, 200
allcary1, 140	progver, 200
allcary2, 140	r2lstr16, 170, 171
allcary3, 140	r2lstr8, 171, 172
alliary1, 140, 141	readcary, 173
alliary2, 141	readcarylines, 174
alliary3, 141	readcom, 175, 176
alllary1, 141	readcvar, 176, 177
alllary2, 141, 142	readfastbin, 177, 178
alllary3, 142	readiary, 178, 179
allrary1, 142	readivar, 179, 180
allrary2, 142	readlary, 180, 181
allrary3, 143	readlvar, 181, 182
allrary4, 143	readnum, 182, 183
beep, 199	readoutputlist, 183, 184
checkargs, 143, 144	readr16var, 185, 186
checkios, 145, 146	readr4var, 186, 187
closeecho, 146, 147	readr8var, 187
conv2uc, 147	readrary, 188
countwords, 147, 148	readrarylines, 189
curdate, 148, 149	readrarylines, 100
·	
curtime, 149, 150	readrarylines4, 191
dispnvd0, 150, 151	readrarylines8, 192
dispnvd1, 151, 152	readrvar, 193
dispnvd2, 152, 153	readstr, 194
echo, 199	strtype, 200
errid_fatal, 199	tab, 200
errid_info, 199	unec, 200
errid_none, 200	waittime, 195
errid_severe, 200	wrfilenr, 195
errid_warn, 200	wrml, 195, 196
flgtype, 200	wrpr, 196, 197
flt2lstr, 153, 154	wrscr1, 198
•	•

nwtc_io::allocary, 6	nwtc_init, 201, 202
allcary1, 7, 8	nwtc_num, 202
allcary2, 8	addorsub2pi, 205
allcary3, 8, 9	bsortreal, 205
alliary1, 9	cross_product, 205, 206
alliary2, 10	d2r, 222
alliary3, 10	d2r_d, 222
alllary1, 11	equalrealnos16, 206, 207
alllary2, 11	equalrealnos4, 207, 208
alllary3, 12	equalrealnos8, 208, 209
allrary1, 12, 13	getsmllrotangs, 209, 210
allrary2, 13	gl_pts, 210, 211
allrary3, 13, 14	indexcharary, 211, 212
allrary4, 14	inf, 222
nwtc_io::dispnvd, 33	inf_d, 222
dispnvd0, 33	interphincomp, 212, 213
dispnvd1, 33, 34	interpbinreal, 213, 214
dispnvd2, 34	interpstpcomp, 214, 215
nwtc_io::fastdatatype, 37	interpstpreal, 215, 216
channames, 38	intindx, 222
chanunits, 38	locatebin, 216
data, 38	locatestp, 216, 217
descr, 38	mean, 217
file, 38	mpi2pi, 218
numchans, 38	nan, 222
numrecs, 38	nan_d, 222
timestep, 38	pi, 222
nwtc_io::num2lstr, 123	pi_d, 222
int2lstr, 123, 124	piby2, 222
r2lstr16, 124, 125	piby2_d, 222
r2lstr4, 125	r2d, 223
r2lstr8, 125, 126	r2d_d, 223
nwtc_io::progdesc, 225	rombergint, 218
date, 225	rpm2rps, 223
name, 225	rpm2rps_d, 223
ver, 225	rps2rpm, 223
nwtc_io::readary, 225	rps2rpm_d, 223
readcary, 226	setconstants, 218, 219
readiary, 226, 227	smllrottrans, 219, 220
readlary, 227	sortunion, 220
readrary, 227, 228	stddevfn, 220, 221
nwtc_io::readarylines, 228	twobypi, 223
readcarylines, 229	twobypi_d, 223
readrarylines16, 229, 230	twopi, 223
readrarylines4, 230	twopi_d, 223
readrarylines8, 230, 231	nwtc_num::equalrealnos, 35
nwtc_io::readvar, 231	equalrealnos16, 36
readcvar, 232	equalrealnos4, 36
readivar, 232, 233	equalrealnos8, 37
readlvar, 233	nwtc_num::interpbin, 114
readr16var, 233, 234	interphincomp, 114, 115
readr4var, 234	interpbinreal, 115
readr8var, 234, 235	nwtc_num::interpstp, 116
nwtc_library, 200	interpstpcomp, 116

interpstpreal, 117	piby2
nwtc_ver	nwtc_num, 222
nwtc_io, 200	piby2_d
nx	nwtc_num, 222
hawcwind, 85	position
ny	modmesh::meshtype, 121
hawcwind, 85	precision, 223
nygrids	b1ki, 224
ffwind, 77	b2ki, <mark>224</mark>
nz	b4ki, 224
hawcwind, 85	b8ki, <mark>224</mark>
nzgrids	bytesperdbki, 224
ffwind, 77	bytesperintki, 224
nwing, 77	bytesperreki, 224
offsets	dbki, 224
fdwind, 56	
openbin	intki, 224
nwtc_io, 162	quki, 224
openbinfile	r8ki, 224
syssubs, 244, 245	reki, 225
openbininpfile	siki, 225
·	prevtime
syssubs, 245	fdwind, 56
openbinpfile	progexit
nwtc_io, 163, 164	syssubs, 247
opencon	progname
syssubs, 245, 246	nwtc_io, 200
openecho	progver
nwtc_io, 164, 165	nwtc_io, 200
openfinpfile	
nwtc_io, 165, 166	quki
openfoutfile	precision, 224
nwtc_io, 166	
openfunkfile	r2d
nwtc_io, 166	nwtc_num, 223
openuinbefile	r2d_d
nwtc_io, 166, 167	nwtc_num, 223
openuinfile	r2lstr16
nwtc_io, 168	nwtc_io, 170, 171
openunfinpbefile	nwtc_io::num2lstr, 124, 125
syssubs, 246	r2lstr4
openuoutfile	nwtc_io::num2lstr, 125
nwtc io, 168	r2lstr8
orientation	nwtc_io, 171, 172
	nwtc_io::num2lstr, 125, 126
modmesh::meshtype, 121	r8ki
pathisrelative	precision, 224
nwtc_io, 168, 169	re
pathsep	nwtc aero::aerotable, 6
·	read4ddata
syssubs, 254	
periodic **Tuind 77	fdwind, 48, 49
ffwind, 77	read4dtimes
pi	fdwind, 49, 50
nwtc_num, 222	read_bladed_ff_header0
pi_d	ffwind, 67, 68
nwtc_num, 222	read_bladed_ff_header1

ffwind, 69, 70	nwtc_io, 186, 187
read_bladed_grids	nwtc_io::readvar, 234
ffwind, 70, 71	readr8var
read_ff_tower	nwtc_io, 187
ffwind, 71, 72	nwtc_io::readvar, 234, 235
read_summary_ff	readrary
ffwind, 73, 74	nwtc_io, 188
read_turbsim_ff	nwtc_io::readary, 227, 228
ffwind, 75	readrarylines
readall4ddata	nwtc_io, 189
fdwind, 50, 51	readrarylines16
readcary	nwtc_io, 190
nwtc io, 173	nwtc_io::readarylines, 229, 230
nwtc_io::readary, 226	readrarylines4
readcarylines	nwtc_io, 191
nwtc io, 174	nwtc_io::readarylines, 230
nwtc_io::readarylines, 229	readrarylines8
readcom	nwtc io, 192
nwtc io, 175, 176	nwtc io::readarylines, 230, 231
readctdata	readrvar
ctwind, 24, 25	nwtc_io, 193
readctp	readstr
ctwind, 25, 26	nwtc io, 194
readctscales	referenceheight
	hhwind::hh_info, 86
ctwind, 27, 28 readctts	
ctwind, 28, 29	inflowwind::inflinitinfo, 95 refht
readcvar	
nwtc_io, 176, 177	ffwind, 77 hawcwind, 86
nwtc_io::readvar, 232	hhwind, 94
readfastbin	refwid
nwtc_io, 177, 178	hhwind, 94
readfdp	reki
fdwind, 52	precision, 225
readiary	remapflag
nwtc_io, 178, 179	modmesh::meshtype, 121
nwtc_io::readary, 226, 227	rombergint
readivar	nwtc_num, 218
nwtc_io, 179, 180	rotation
nwtc_io::readvar, 232, 233	modmesh::meshtype, 121
readlary	rotdiam
nwtc_io, 180, 181	fdwind, 56
nwtc_io::readary, 227	rpm2rps
readlvar	nwtc_num, 223
nwtc_io, 181, 182	rpm2rps_d
nwtc_io::readvar, 233	nwtc_num, 223
readnum	rps2rpm
nwtc_io, 182, 183	nwtc_num, 223
readoutputlist	rps2rpm_d
nwtc_io, 183, 184	nwtc_num, 223
readr16var	
nwtc_io, 185, 186	scalars
nwtc_io::readvar, 233, 234	
11Vto_10:110aava1, 200, 201	modmesh::meshtype, 121
readr4var	modmesh::meshtype, 121 scalevel

fdwind, 56	it, 254
scalfact	maxlen, 254
fdwind, 56	must, 254
setconstants	nl_len, 254
nwtc_num, 218, 219	openbinfile, 244, 245
sharedinflowdefns, 235	openbininpfile, 245
ctp_wind, 236	opencon, 245, 246
default wind, 236	openunfinpbefile, 246
fd wind, 236	pathsep, 254
ff wind, 236	progexit, 247
hawc_wind, 236	so, 255
hh wind, 236	str, 255
ud wind, 236	strend, 255
undef wind, 236	usralarm, 247, 248
sharedinflowdefns::inflintrpout, 95	which, 255
•	
velocity, 96	wrnr, 249
shft4dnew	wrover, 249, 250
fdwind, 56	wrscr, 250–252, 255
siki	t 4d on
precision, 225	t_4d_en
smllrottrans	fdwind, 56
nwtc_num, 219, 220	t_4d_st
SO	fdwind, 56
syssubs, 255	tab
sortunion	nwtc_aero::elmtable, 35
nwtc_num, 220	nwtc_io, 200
stddevfn	tdata
nwtc_num, 220, 221	ctwind, 32
str	hhwind, 94
syssubs, 255	tempassembled.f90, 264
strend	exitthisroutine, 266
syssubs, 255	inflowwind_test, 266
strtype	timeindx
nwtc io, 200	ctwind, 32
syssubs, 236	hhwind, 94
be, 253	times4d
but, 254	fdwind, 56
·	times4dix
by, 254 called, 254	fdwind, 56
	timestep
conrecl, 254	nwtc_io::fastdatatype, 38
cu, 254	timestpct
endian, 254	•
flushout, 238, 239	ctwind, 32
get_arg, 239	tm_max
get_arg_num, 239	fdwind, 56
get_command, 240	totaltime
get_command_argument, 240	ffwind, 77
get_cwd, 241	translation
get_env, 241	modmesh::meshtype, 122
get_environment_variable, 242, 243	tsclfact
here, 254	fdwind, 57
ic, 254	twobypi
is, 254	nwtc_num, 223
is_nan, 243, 244	twobypi_d
/ -/	

nwtc num, 223	hhwind, 94
twopi	vlinshr
nwtc num, 223	hhwind, 94
twopi_d	vshr
nwtc num, 223	hhwind, 95
	VZ
ud_wind	hhwind, 95
sharedinflowdefns, 236	-,
undef_wind	waittime
sharedinflowdefns, 236	nwtc io, 195
unec	which
nwtc io, 200	syssubs, 255
unwind	width
inflowwind, 114	hhwind::hh_info, 86
uref	inflowwind::inflinitinfo, 95
hawcwind, 86	winddata
usecm	hawcwind, 86
nwtc aero, 134	windfile
usecpmin	ctwind::ct backgr, 15
nwtc_aero, 134	windfilename
userwind, 255	inflowwind::inflinitinfo, 95
initialized, 263	windfiletype
usrwnd_getvalue, 256, 257	ctwind::ct_backgr, 15
usrwnd getwindspeed, 257, 258	inflowwind::inflinitinfo, 95
usrwnd_init, 259	windinf_adhack_dicheck
usrwnd_terminate, 260–262	inflowwind, 98, 99
uwmeanu, 263	windinf_adhack_diskvel
uwmeanv, 263	inflowwind, 100, 101
uwmeanw, 264	windinf_getvelocity
usralarm	inflowwind, 102, 103
syssubs, 247, 248	windinf_init
usrwnd_getvalue	inflowwind, 104, 105, 107
userwind, 256, 257	windinf_linearizeperturbation
usrwnd_getwindspeed	inflowwind, 108, 109
userwind, 257, 258	windinf_terminate
usrwnd_init	inflowwind, 110–112
userwind, 259	windinfver
usrwnd_terminate	inflowwind, 114
userwind, 260–262	windtype
uwmeanu	inflowwind, 114
userwind, 263	wrfilenr
uwmeanv	nwtc_io, 195
userwind, 263	wrml
uwmeanw	nwtc io, 195, 196
userwind, 264	wrnr
	syssubs, 249
V	wrover
hhwind, 94	syssubs, 249, 250
velocity	wrpr
sharedinflowdefns::inflintrpout, 96	nwtc io, 196, 197
ver	wrscr
nwtc_io::progdesc, 225	syssubs, 250–252, 255
vertshft	
fdwind, 57	wrscr1
vgust	nwtc_io, 198

```
xmax
    fdwind, 57
xt
    fdwind, 57
ymax
    fdwind, 57
youngersibling
    modmesh::meshtype, 122
yt
    fdwind, 57
zmax
    fdwind, 57
zref
    fdwind, 57
zt
    fdwind, 57
```