Returns
Bool

1.8.3 toolmanagertest - Function

Package utility
Module tasking

Test the tool manager

Synopsis
toolmanagertest()

Description
Run a set of tests on the toolmanager.

Returns
Number of failed tests (Int)

Example

```
- toolmanagertest()
```

1.8.4 inputsmanager - Tool

Package utility
Module tasking

Tool for handling inputs for other tools

Description
`inputsmanager` is a tool for handling the inputs (function arguments) for AIPS++ tools. It provides command line interfaces for saving and retrieving all the inputs to a function. It is primarily used by toolmanager to save and restore inputs, but it can also be used directly from the glish command line. Note that inputs are not automatically saved in this manner when a function

is invoked directly from the glish command line, although the command line history buffer can be used in that case.
The values of the inputs are stored as a record by `inputsmanager` for each tool function. For example, to retrieve the function arguments used last time that imager.setimage was run from the toolmanager:

```
- include 'inputsmanager.g'
- inputs.show()
Inputs:

  Row                  Time   Keyword
-------------------------------------
    1   2000/02/18/13:54:24  lastsave
T
- inputs.getvalues('imager', 'setimage')
[nx=300, ny=300, cellx=[value=1.2, unit=arcsec], celly=[value=1.2,
unit=arcsec], stokes=IQUV, doshift=T, phasecenter=[m0=[value=0,
unit=deg], m1=[value=90, unit=deg], type=direction, refer=JUPITER],
shiftx=[value=0, unit=arcsec], shifty=[value=0, unit=arcsec],
mode=mfs, nchan=1, start=1, step=1, mstart=[value=0, unit=km/s],
mstep=[value=0, unit=km/s], spwid=1, fieldid=1, facets=1]
```

The current inputs may be saved to a specific slot named by the keyword chosen from the toolmanager. The default is 'lastsave'.
The values of the inputs are stored permanently in an AIPS++ table. The name of the file is *aips++.inputs.table* and thus a separate table will be created for every directory in which AIPS++ is run. This default file location may be overridden using an `aipsrc` variable. For example, to put consolidateall inputs in one place:

```
inputsmanager.file: $HOME/aips++.inputs.table
```

Note that inputs are only saved from the toolmanager, and that the values are written to a disk-based table only when a save function is executed. A save is performed automatically on exit from glish. This means that you should always exit normally from glish if you wish the current inputs to be saved.

Tools

asynceval	Asynchronous eval
clipboard	clipboard object
inputsmanager	Tool for handling inputs for other tools
logger	Tool for logging
plugins	attach code to tools at runtime
scripter	scripter tool
servers	A tool for sending events between glish and precompiled executables
toolmanager	Tool for using AIPS++ tools and functions
types	Tool for defining types known to the tasking system

inputsmanager - Constructor

Package	**utility**
Module	**tasking**
Tool	**inputsmanager**

Construct inputsmanager tool

Synopsis
inputsmanager()

Description
This constructor is called on inclusion of inputsmanager.g. Since only one inputsmanager can be created, you should never have to call this constructor. The *only* inputsmanager that exists has the conventional name `inputs`.

---

inputsmanager.getvalues - Function

Package	**utility**
Module	**tasking**
Tool	**inputsmanager**

Get inputs for a tool and function

Synopsis
getvalues(tool, method, keyword)

Description
Get the inputs for a given tool, function, and keyword. This returns a record containing the argument name and value.

Arguments

tool	Name of tool Allowed:String Default: None	
method	Name of function Allowed:String Default: None	
keyword	Name of keyword Allowed:String Default: 'lastsave'	

Returns
Record of values

Example

```
- include 'inputsmanager.g'
- inputs.show()
Inputs:

  Row                  Time   Keyword
-------------------------------------
    1   2000/02/18/13:54:24  lastsave
T
- inputs.getvalues('imager', 'setimage')
[nx=300, ny=300, cellx=[value=1.2, unit=arcsec], celly=[value=1.2,
unit=arcsec], stokes=IQUV, doshift=T, phasecenter=[m0=[value=0,
unit=deg], m1=[value=90, unit=deg], type=direction, refer=JUPITER],
shiftx=[value=0, unit=arcsec], shifty=[value=0, unit=arcsec],
mode=mfs, nchan=1, start=1, step=1, mstart=[value=0, unit=km/s],
mstep=[value=0, unit=km/s], spwid=1, fieldid=1, facets=1]
```

---

inputsmanager.savevalues - Function

Package	**utility**
Module	**tasking**
Tool	**inputsmanager**

Save inputs for a tool and function

Synopsis

savevalues(tool, method, values, keyword, dosave)

Description
Save the inputs for a given tool, function, and keyword. The record must contain the argument names and values.

Arguments

tool	Name of tool Allowed:String Default: None
method	Name of function Allowed:String Default: None
values	Record of inputs Allowed:Record Default: [=]
keyword	Name of keyword Allowed:String Default: 'lastsave'
dosave	Force a save to disk-based table Allowed:Bool Default: F

Returns
Bool

Example

```
- include 'inputsmanager.g'
- inputs.show()
Inputs:

  Row                  Time   Keyword
-------------------------------------
    1   2000/02/18/13:54:24  lastsave
T
- rec := inputs.getvalues('imager', 'setimage')
- print rec
[nx=300, ny=300, cellx=[value=1.2, unit=arcsec], celly=[value=1.2,
unit=arcsec], stokes=IQUV, doshift=T, phasecenter=[m0=[value=0,
```

```
unit=deg], m1=[value=90, unit=deg], type=direction, refer=JUPITER],
shiftx=[value=0, unit=arcsec], shifty=[value=0, unit=arcsec],
mode=mfs, nchan=1, start=1, step=1, mstart=[value=0, unit=km/s],
mstep=[value=0, unit=km/s], spwid=1, fieldid=1, facets=1]
- rec.stokes:='IV';
- inputs.savevalues('imager', 'setimage', rec, 'IV only', dosave=F)
- inputs.show()
Inputs:

  Row                 Time   Keyword
------------------------------------
    1   2000/02/18/14:04:25  lastsave
    2   2000/02/18/14:04:25   IV only
T
```

---

inputsmanager.show - Function

Package	**utility**
Module	**tasking**
Tool	**inputsmanager**

Show all sets of available inputs

Synopsis
show(keyword)

Description
Shows all the available inputs on the screen.

Arguments

keyword	Name of keyword Allowed:String Default: 'default'

Returns
Bool

Example

```
- include 'inputsmanager.g'
- inputs.show()

  Row                 Time   Keyword
------------------------------------
    1   2000/02/18/14:04:25  lastsave
    2   2000/02/18/14:04:25   IV only
T
```

---

inputsmanager.list - Function

Package	**utility**
Module	**tasking**
Tool	**inputsmanager**

List all sets of available inputs

Synopsis
list(keyword)

Description
Returns a record of all available inputs. Use this function with caution: the returned record is very large.

Arguments

keyword	Name of keyword Allowed:String Default: 'default'

Returns
Record

Example

```
- include 'inputsmanager.g'
- field_names(inputs.list())
version lastsave mysave1 mysave2
```

---

inputsmanager.delete - Function

Package	**utility**
Module	**tasking**
Tool	**inputsmanager**

Delete rows from the table

Synopsis
delete(rows)

Description
Deletes numbered rows from the inputs table.

Arguments

rows	Vector of row numbers Allowed:Vector of Ints Default: None

Returns
Record

Example

```
- include 'inputsmanager.g'
- inputs.show()
Inputs:

  Row                 Time   Keyword
-------------------------------------
    1   2000/02/18/14:04:25  lastsave
    2   2000/02/18/14:04:25   IV only
T
- inputs.delete(2)
NORMAL: Successfully deleted row 2
T
- inputs.show()
Inputs:
```

```
  Row                  Time   Keyword
-------------------------------------
    1   2000/02/18/14:04:25  lastsave
T
```

---

inputsmanager.deletetable - Function

Package	**utility**
Module	**tasking**
Tool	**inputsmanager**

Delete the inputs table

Synopsis
deletetable()

Description
Deletes the inputs table.

Returns
Bool

Example

```
- include 'inputsmanager.g'
- inputs.show()
Inputs:

  Row                  Time   Keyword
-------------------------------------
    1   2000/02/18/14:04:25  lastsave
T
- inputs.deletetable()
NORMAL: deleted table aips++.inputs.table
F
```

---

inputsmanager.get - Function

Package	**utility**
Module	**tasking**
Tool	**inputsmanager**

Get all inputs for a given keyword

Synopsis
get(keyword)

Description
Get the inputs for a given keyword from the table. The values returned by `getvalue` are then drawn from this set.

Arguments

keyword	Name of keyword Allowed:String Default: 'lastsave'

Returns
Record of values

Example

```
- include 'inputsmanager.g'
- inputs.get('lastsave')
```

---

inputsmanager.save - Function

Package	**utility**
Module	**tasking**
Tool	**inputsmanager**

Save all inputs for a given keyword

Synopsis
save(keyword)

Description
Save the current inputs to a given keyword in the table.