Returns
gchooser widget

Description
Constructs a gchooser according to the specified construction arguments, and returns a ref to the tool.

1.4.13 gchoosertest - Function

Package	**display**
Module	**widgets**

Test the gchooser widgets

Synopsis
gchoosertest()

Returns
Boolean

Description
This demonstrates the use of the gchooser widget on field positions from a measurement set.

1.4.14 gopher - Tool

Package	**display**
Module	**widgets**

Tool for getting useful information
include "gopher.g"

Constructors

gopher	*Make a gopher tool*

Functions

fromimage	*Get various types of information from an image*
fromms	*Get various types of information from a measurementset*

Description

This tool generates Tk widgets for getting various types of information from images, measurement sets, etc.. *The same information can be retrieved using other non-widget functions. This tool is used in the autogui.*
The exact behavior of the generated widget depends upon the type of entry but in general the user is prompted for a source of information, such as an image, and then a tool, such as a viewer is used to get a value, such as a direction.

gopher - Constructor

Package	**display**
Module	**widgets**
Tool	**gopher**

Make a gopher tool

Synopsis
gopher(widgetset)

Arguments

widgetset	*Widget server to use* *Allowed: A widgetserver closure tool* *Default: dws*

Returns
gopher widget

Description
Constructs a gopher according to the specified construction arguments, and returns a ref to the tool. Use of this constructor should be unnecessary since the default gopher (called defaultgopher or dgo) can nearly always be used.

Example

```
include 'gopher.g'
region := dgo.fromimage('3C273XC1.clean');
```

---

gopher.fromimage - Function

Package	**display**
Module	**widgets**
Tool	**gopher**

Get various types of information from an image

Synopsis

fromimage(file, what)

Description

This function allows interactive selection of various types of information from an image. This information is returned.
The types of information returned are:

region *An image region is returned from a display of an image. To set the region, you must first select the type of region (box or polygon) by pressing the appropriate button on the left hand side of the viewer, and second, use the mouse to drag out the region, and third, double-click inside the region to complete the selection.*

position *An image position is returned from a display of an image. To set the position, you must first enable to position selection by pressing the cross hairs icon on the left hand side of the viewer, second, move the cursor to the point of interest, then third, double-click inside the cross hairs.*

statistics *Open the Statistics frame, select a region as above, and the statistics will be calculated and returned.*

Arguments

file	*Image file name* *Allowed: String*
what	*Thing to return* *Allowed: String* *Default: 'region'—'position'—'statistics'*

Returns

glish variable

---

gopher.fromms - Function

Package	**display**
Module	**widgets**
Tool	**gopher**

Get various types of information from a measurementset

Synopsis

fromms(file, what)

Description

This function allows interactive selection of various types of information from a measurement set. This information is returned.
The types of information returned are:

antennas *The antenna locations are plotted and you may select interactively.*

baselines *The possible baseline combinations are plotted and you may select interactively.*

fields *The field positions are plotted and you may select interactively.*

spectralwindows *The spectral windows are plotted and you may select interactively.*

select *You make construct a Table Query Language string for a Measurement Set.*

Arguments

file	*MeasurementSet file name* *Allowed: String*
what	*Thing to return* *Allowed: String* *Default: 'antennas'—'baselines'—'fields'—'spectralwindows'*

Returns

glish variable
