lv	an SDRecord Allowed:SDRecord - Not enabled Default: F
first	first channel number in range to integrate Allowed:integer Default: F
last	last channel number in range to integrate Allowed:integer Default: F
peak1	guess of first peak channel number Allowed:integer Default: F
peak2	guess of second peak channel number Allowed:integer Default: F
flevel	fractional flux level Allowed:float Default: 0.3
rms	rms of spectrum Allowed:float Default: 0.
usecurs	optionally set ranges with cursor Allowed:boolean Default: F

Returns
Record (fluxint, vel, vwidth, level, limits, type, peak, peakchan)

1.1.4 plotter - Tool

Package dish
Module dish

dish plotter tool

Constructors

Functions

ips	Image profile support.
plotrec	Plot an SDRecord.

putranges	This allows setting of range regions for use by future operations.
ranges	Retrieves any active ranges.

Description
The **dish** plotter is a superposition of numerous plotting capabilities with additional functionality added. In particular, the plotter has all of the functions of the **pgplotter** tool (as described in the GLISH Manual section on Glish/PGPLOT) and the AIPS++ **pgplotwidget** tool. We dont' describe this functionality as it is detailed in the above sections.

```
displaylist pgplotwidget
setcallback pgplotwidget
deactivatecallback pgplotwidget
activatecallback pgplotwidget
record pgplotwidget
canplay pgplotwidget
play pgplotwidget
postscript pgplotwidget
plotfile pgplotwidget
refresh pgplotwidget
restore pgplotwidget
done pgplotwidget
plotxy pgplotwidget
maskline pgplotwidget
clear pgplotwidget
message pgplotwidget
settings pgplotwidget
cursor pgplotwidget
lastchange pgplotwidget
curs pgplotwidget
size pgplotwidget
addredrawfunction pgplotwidget

arro - wnad pgplotter

plotxy1 pgplotter
ploty pgplotter
ploty2 pgplotter
plotxy2 pgplotter
timey pgplotter
timey2 pgplotter
setxscale pgplotter
setx2scale pgplotter
setyscale pgplotter
```

```
sety2scale pgplotter
setxaxisgrid pgplotter
setyaxisgrid pgplotter
sety2axisgrid pgplotter
setcolor pgplotter
setplottitle pgplotter
setxaxislabel pgplotter
setyaxislabel pgplotter
psprint pgplotter
psprinttofile pgplotter
unzoom pgplotter
addtool pgplotter
tool pgplotter
typ pgplotter
editgui pgplotter
userframe pgplotter
demo pgplotter
gui                     pgplotter
screen                  pgplotter
busy                    pgplotter
shortnametofullname     pgplotter
resetplotnumber         pgplotter

is_active dishd dishd indicates developer only function
pf dishd
index dishd
header dishd
overlay dishd
reverse dishd
chalkboard dishd
gfit dishd
lineid dishd
setranges dishd
compute_statistics dishd
active dishd
register_range dishd
assert_range_cursor dishd
deassert_range_cursor dishd
create dishd
lineid dishd
debug dishd

ips dish
plotrec dish
putranges dish
ranges dish
```

```
uzoom dish
```

In the following, we describe the additional functionality available within the **dish** plotter.

plotter.ips - Function

Package	**dish**
Module	**dish**
Tool	**plotter**

Image profile support.

Synopsis
ips()

Description
ips or Image Profile Support is actually a tool within the **images** Module. All data in **dish** are plotted as an image (1-d, 2-d, or 3-d). Numerous function exist within the **ips** tool for getting data and plotting data (e.g. getordinate, getabcissaunit, etc.).

Example
The following will change the displayed units on the plotter to 'Hz'.

```
- d.plotter.ips.setabcissaunit('Hz')
T
```

Returns
Bool

---

plotter.plotrec - Function

Package	**dish**
Module	**dish**
Tool	**plotter**

Plot an SDRecord.

Synopsis

plotrec()

Description
This is the basic function within the plotter, allowing an SDRecord to be plotted from the command line. A shortcut to this command is available as d.plotscan. The plotrec command has an optional 'overlay' argument which when 'T', will overlay the record on the existing plot.

Example

```
- d.plotter.plotrec(myrec);
```

Returns
Bool

---

plotter.putranges - Function

Package	**dish**
Module	**dish**
Tool	**plotter**

This allows setting of range regions for use by future operations.

Synopsis
putranges()

Description

Example

Returns
Bool

---

plotter.ranges - Function