

1. Use the **choose-file** GUI to open an input file. Instructions can be displayed by pressing this GUI's own **help** button. Opening the file should result in the display of a *file structure tree*.
2. Use this tree as follows to select either a variable/SDS or an attribute. (The default selection is a variable/SDS with the maximum number of elements.)
 - Click on a variable/SDS to select it and display the spatial sampling widget.
 - Click on a ' + ' to display attribute names.
 - Click on an attribute to select it and display its value.
3. The spatial sampling widget allows you to select part of a variable/SDS. (The entire variable/SDS is selected by default.)
 Each dimension is represented by a row containing one or two lines. The first line represents subscript values. If a coordinate variable exists then it is represented on a second line.
 Change a subscript using any of the following:
 - Drag the slider along the scale widget. This is convenient for coarse adjustment.
 - Click on the spinbox arrows or scale troughs.
 - Press the keyboard up/down keys.
 - Use the keyboard to enter numbers. Fractional subscript values can be used to produce magnification.
 - On an image, drag the mouse to define a bounding box.
 - Press the **Dimension** button to restore all defaults.
 - Press the **From**, **To** or **Step** column heading button to restore defaults in a column.
 - Press the row heading buttons to toggle a row between defaults and saved values.
 The values selected along a dimension are defined as follows:
 - If *step* > 0 then *from*, *to* and *step* define an arithmetic progression.
 - If *step* = 0 and expression is blank then use single value *from*.
 - If *step* = 0 and expression is not blank then use this expression.
4. The following buttons along the bottom are used to select an action:

Range: Display minimum and maximum value.

Text: Display start of data as text.

Graph: Use `plot_ao` to display data as XY graph(s).

Image: Use `plot_ao` to display data as 2D image(s).

Animate: Animate window-sequence produced by **Graph** or **Image**.

NAO: Create Numeric Array Object.

Re-read: Force a read (e.g. after rewriting the file).

Select **Raw** mode if you want the following attributes to be ignored:
`scale_factor`, `add_offset`, `valid_min`, `valid_max`, `valid_range`.