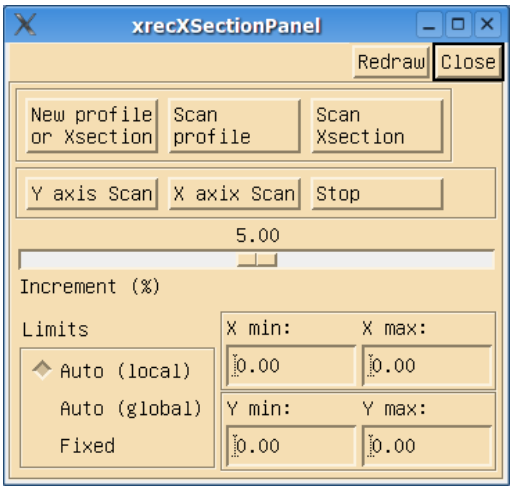
The Time Series Panel

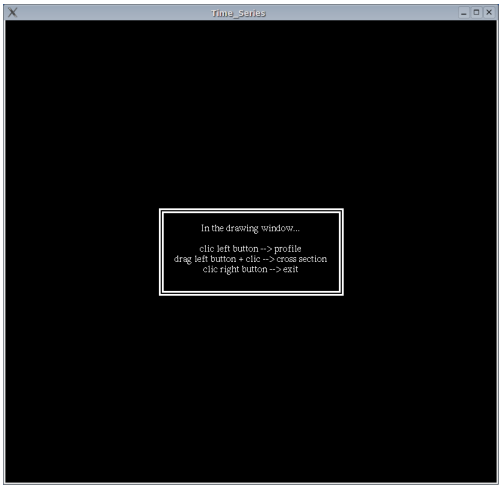
This panel is used to display time-series of the fields shown in the main Display window.



The first thing to do when the panel appears is to click on any of the three top buttons : "**New Profile of Xsection**", "**Scan Profile**" or "**Scan Xsection**". In this example, we click on "**New Profile of Xsection**".

Then a new window appears :

Once enlarged, you get a black window with some instructions written :



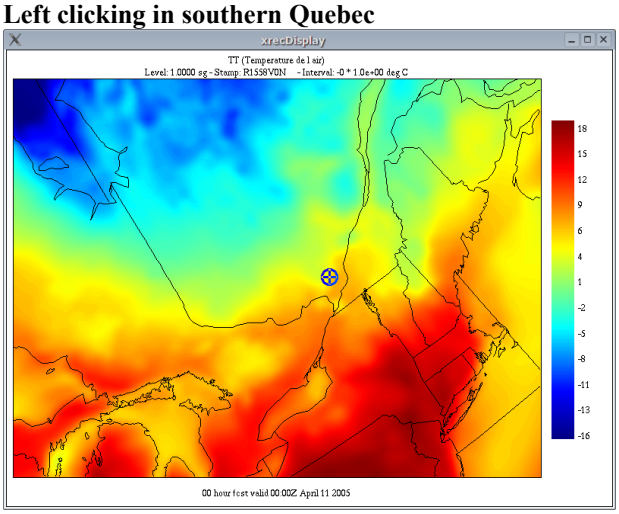
"In the drawing window...
click left button --> profile
drag middle button + click --> cross section
click right button --> exit"

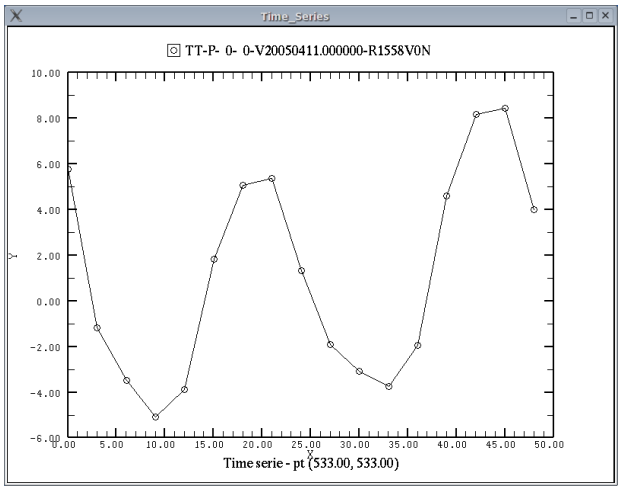
That is, clicking with the left mouse button gives a time series profile, clicking and dragging the left mouse button draws a line, which will yield an hovmoller diagram.

The "**Scan Profile**" button lets you explore the time series across the grid area. Simply press and hold the left mouse button and watch the times series being dynamically updated.

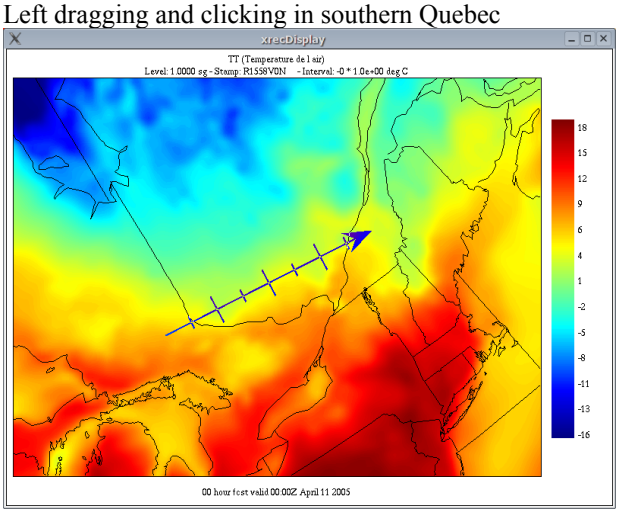
The "**Scan XSection**" button lets you generate and explore the Hovmoller diagrams across the grid area. Simply press and hold the left mouse button and watch the diagrams being dynamically updated.

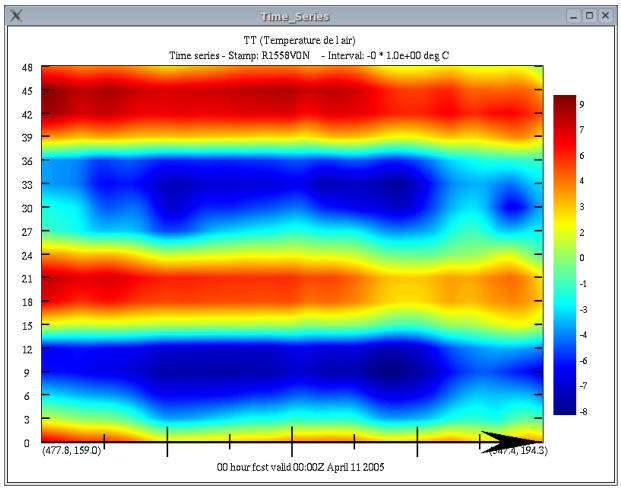
Left clicking in southern Quebec



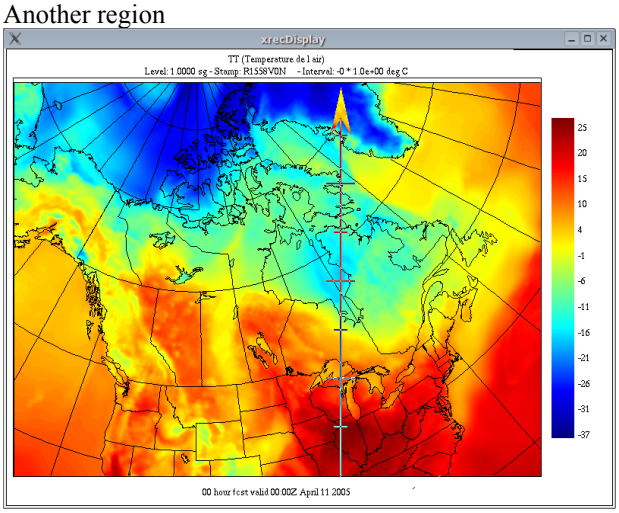


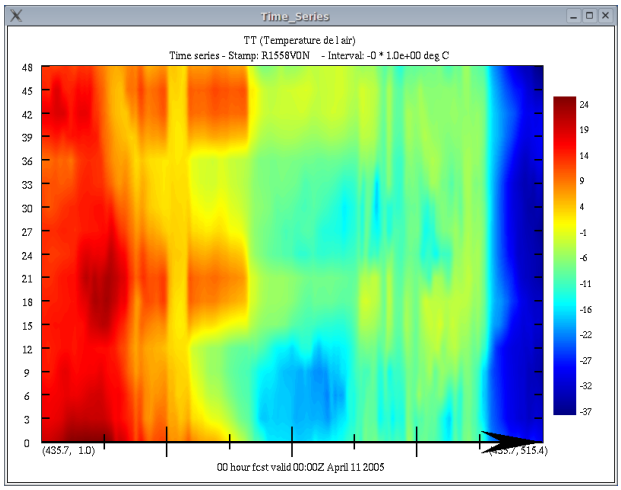
Left dragging and clicking in southern Quebec

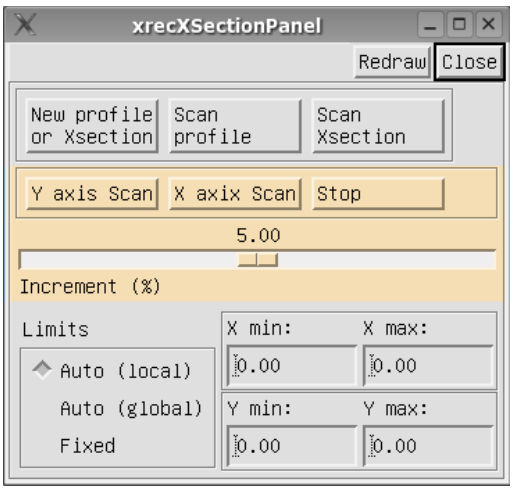




Another region







The "**Y axis scan**" and "**X axis scan**" buttons let you generate Hovmoller diagrams back and forth across the whole domain. The increment between each step can be fine tuned by playing with the cursor just below. This allows you to concentrate on the data, and to analyse the whole domain very rapidly. To stop the scan, simply press the "**Stop**" button.

The last part of the panel allows the user to fine tune the limits of the field so that the min-max limits are taken from the profile / cross-section data **(Auto (local))**, the grid as as whole **(Auto (global))**, or limits fixed by the user **(Fixed)**.