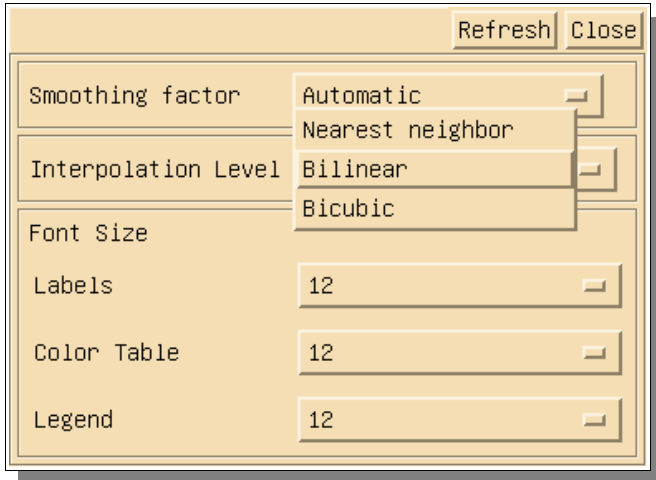# The Legend / Interpolation Panel

This panel is used to control the degree of smoothing, and permits some fine tuning of the font size used to display various elements of the display window. Smaller font sizes, especially for legends, maximize the space available to display the data fields. On the other hand, larger font sizes make printouts or transparency more legible.
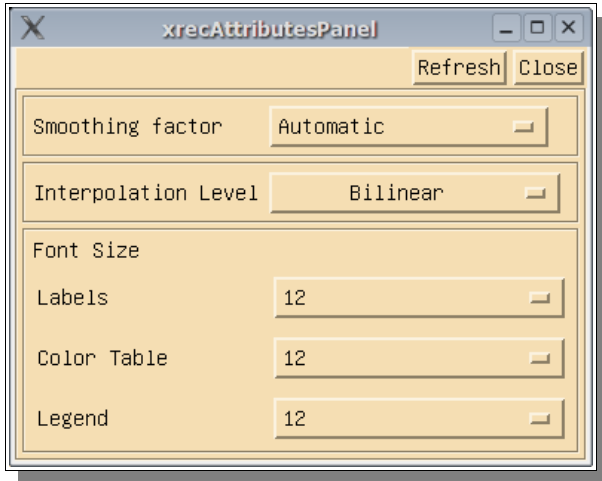

The "Smoothing factor" option was used to optimize the smoothing algorithm used in older versions of xrec. It is now inoperative and will be remove in the next version.
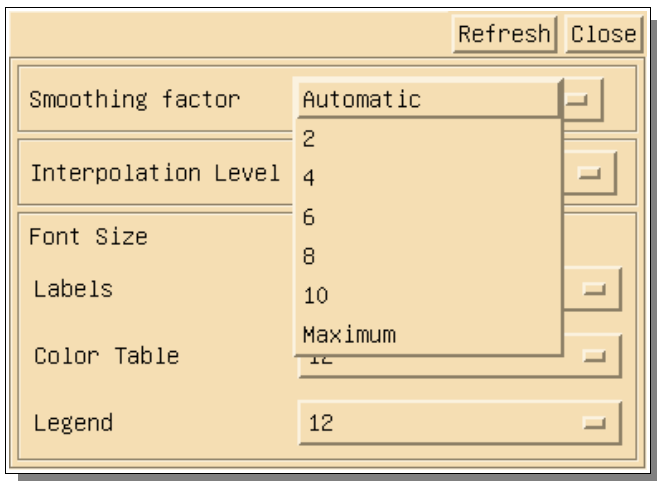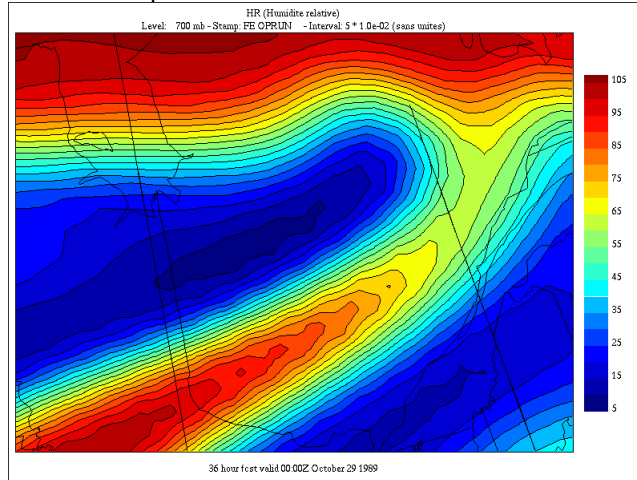
The "Interpolation level" option controls the level of interpolation used when xrec displays a field on an output grid different from the source grid. There are three options : "**Nearest neighbor**", "**Bilinear**" and "**Bicubic**". The default interpolation level is "bicubic".
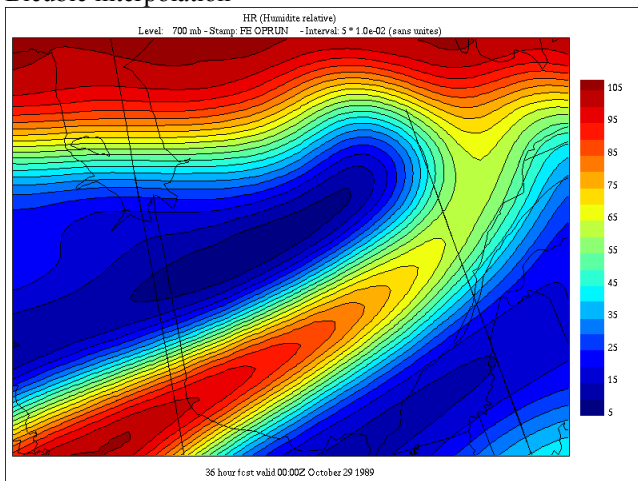

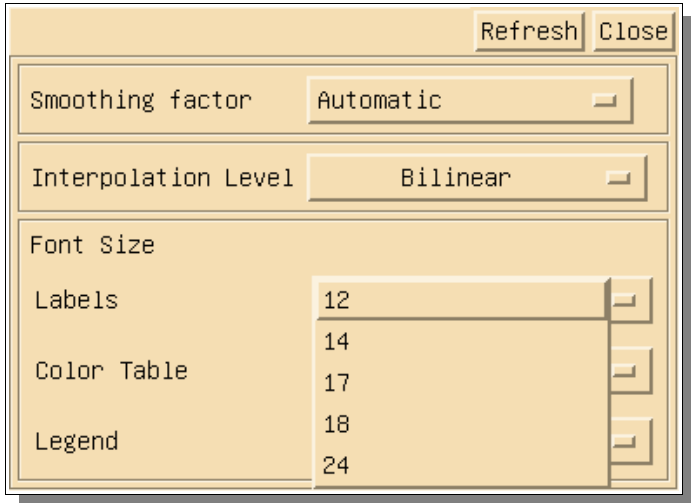Nearest neighbour interpolation
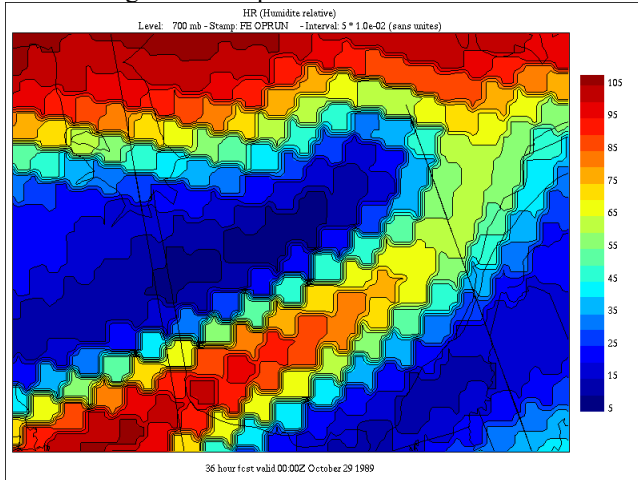
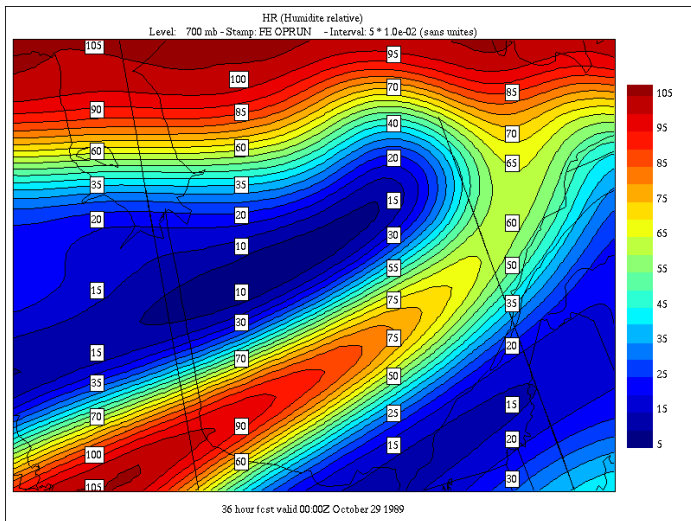Bilinear interpolation

Bicubic interpolation

The "Font Size" panels offer five font sizes that the user can use for formatting contour labels, color table labels and the legend.
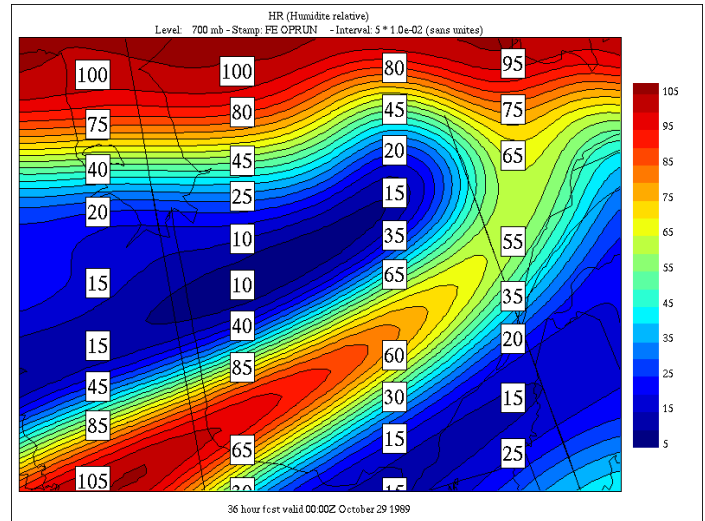
This shows the effect of changing the font size of the contour labels
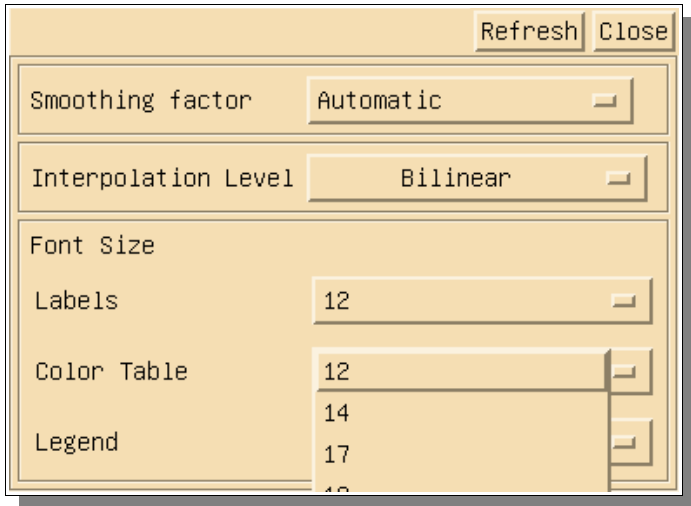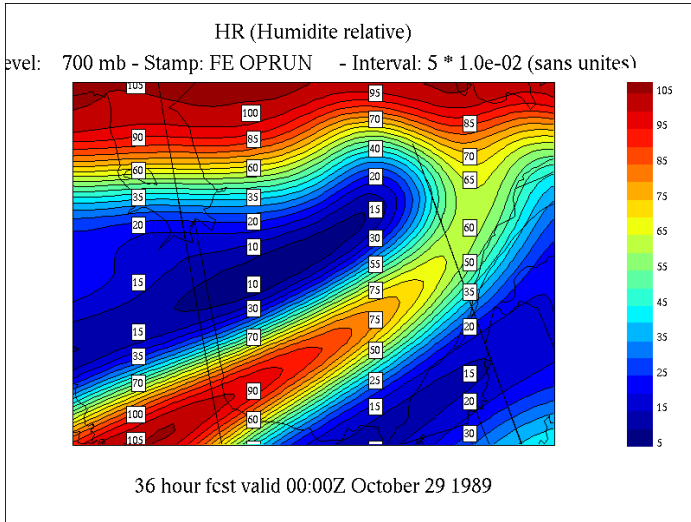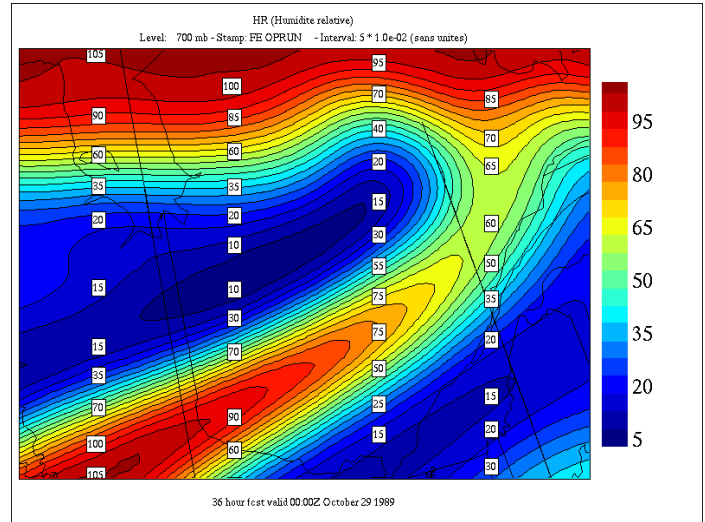

Font size 12

Font size 24

This shows the effect of changing the font size of the Color table labels

Font size 12

Font size 24

This shows the effect of changing the font size of the legend.

Font size 12

Font size 24