



How do I zoom, pan, or rotate the plot?

There are several controls that can be useful for manipulating the plot window. These change your view of the data without affecting the data themselves, and without changing how processing is performed (except the processing required to render the plot window, of course).

The controls are modelled on those of Google maps. For those controls which are keystrokes, the plot window must have focus (i.e. be the "current" window, usually shown by a highlighted title bar). If your mouse does not have a wheel, it can be simulated using Alt-Up or Alt-Down (the plot window must have focus).

Name	Control	Effect on plot window
set default view	"=" (Equals key)	rotate so North is up; pan so the radar is at the centre of the plot window, and set the scale to 5 metres per pixel. The default rotation and scale can be set by changing the items <code>default.north.angle</code> and <code>default.mpp</code> in the file: <code>radR/gui/gui.conf.R</code>
pan	drag with left button, then release	changes the geographic location of the centre of the plot window
zoom in	mousewheel up or Alt-Up or "-" (minus key)	decreases the metres per pixel; zoom is centred on the centre of the plot window
zoom out	mousewheel down or Alt-Down or "-" (minus key)	increases the metres per pixel; zoom is centred on the centre of the plot window

rotate clockwise (coarse)	Ctrl-mousewheel down (i.e. Ctrl key held down while mouse wheel rolled down) or Ctrl-Alt-Down	rotates the display clockwise by 10 pulses (configuration file item: <code>gui/gui.conf.R:plot.big.rotation.increment</code>)
rotate counterclockwise (coarse)	Ctrl-mousewheel up or Ctrl-Alt-Up	rotates the display counterclockwise by 10 pulses
rotate clockwise (fine)	Ctrl-Shift-mousewheel down or Ctrl-Shift-Alt-Down	rotates the display clockwise by 1 pulse
rotate counter clockwise (fine)	Ctrl-Shift-mousewheel up or Ctrl-Shift-Alt-up	rotates the display counterclockwise by 1 pulse
forward scan	Shift-mousewheel up	moves to the next scan in the data source and displays it; this is in "preview" not "play/process" mode, and is equivalent to moving the player slider one notch right
backward scan	Shift-mousewheel down	moves to the previous scan in the data source and displays it; this is in "preview" not "play/process" mode, and is equivalent to moving the player slider one notch left
change compass radius	Ctrl-left button drag or Ctrl-left button click	sets the compass radius so that the compass passes through the current mouse location. This can be set numerically in the <i>display options</i> window

change range-ring spacing	Shift-left button drag or Shift-left button click	changes the range ring spacing so that the ring closest to the current mouse location is brought directly to the mouse location.
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