

Introduction to CLI panes

For the users of MarkSimGCM that don't have access to readily available long term mean meteorological data, or cannot easily access the raster images of WorldClim pixel by pixel, we have developed the CLI files. These are based on the original DSSAT definitions of the files and should comply with complete interoperability. They do not hold the components of the SIMMETEO simulation unit that is currently within DSSAT, or any of the data qualification measures. They are for use only with MarkSim_standalone.

CLI_panes are a composite of RARed* files. These are composed in the following way.

There are two sets of file, One for the 10-minute WorldClim grid and one for the 5 minute WorldClim grid.

You can differentiate the types of individual CLI files in the SOURCE declaration in the file. *Beware! The file names may be the same!*

The name of a grid cell pane.

The most Southerly and Westerly point in the grid cell names each grid cell. Thus S20_W060 is a valid grid at starting points 20 S and 60 W. All grid cells contain potentially 60*60 CLI files. Many do not as they are marginal to continents or merely contain islands.

10 minute grid

All CLI files are named 'RnnnnCnnnn' where row number goes from 1 (North pole to south) to 1080, column number goes from 1 to 2160 (scanning from -180W to 180E)

5 minute grid

All CLI files are named 'RnnnnCnnnn' where row number goes from 1 (North pole to south) to 2160, column number goes from 1 to 4320 (scanning from -180W to 180E)

* a RAR file is a form of condensed file, It can expanded to it's original by using the current ZIP or RAR programs.