

This was computed by extracting monthly mean for each latitude in the dataset and forming an XY grid of data.

UAH data is on a 2.5 degree grid. Latitude 1.25S and 1.25N were averaged and that is the reference series. Each latitude is correllated with the reference and shown on the plot.

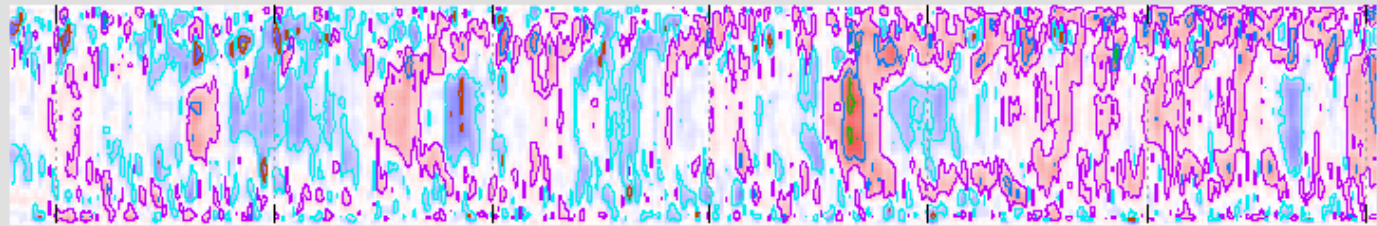
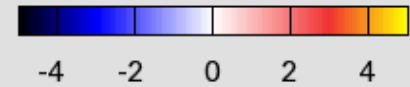
Correlation with itself is 1.0 and is the central value shown.

The slight sharp spike at about 76S turns out to be the latitude of the Antarctic circumpolar current and further south is stable. Arctic looks similarly stable.

Various experiments have been tried on the data without adding a great deal of insight. Heat flow from the tropics to poles is known from Hovmoller diagrams of similar data but perhaps only tropic excursions from the usual very stable regime. Next page shows such a diagram.

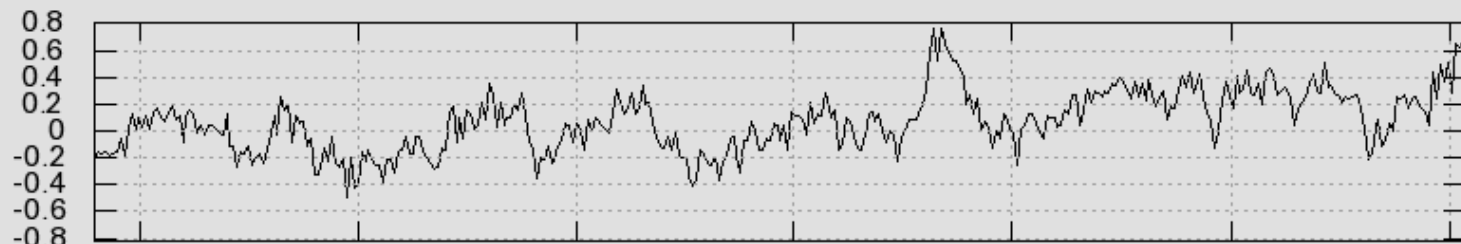
T N Channon, July 2010

Hovmoller map of tiltmonamg\_5.3, Y axis monthly mean latitude slice



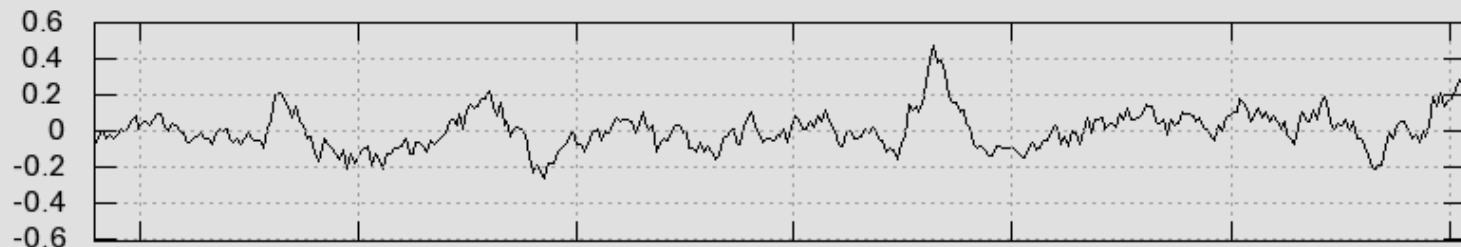
1980 1985 1990 1995 2000 2005 2010

global mean



1980 1985 1990 1995 2000 2005 2010

tropical mean



1980 1985 1990 1995 2000 2005 2010