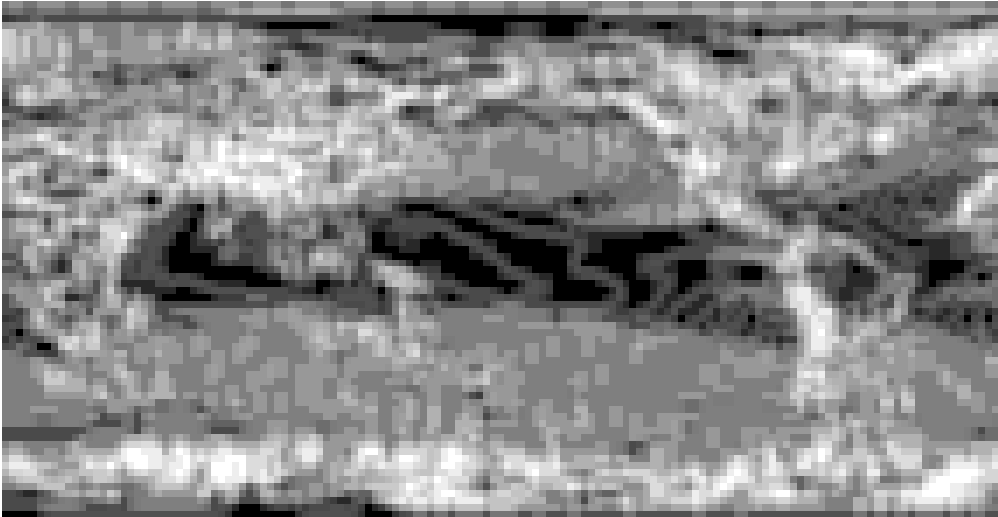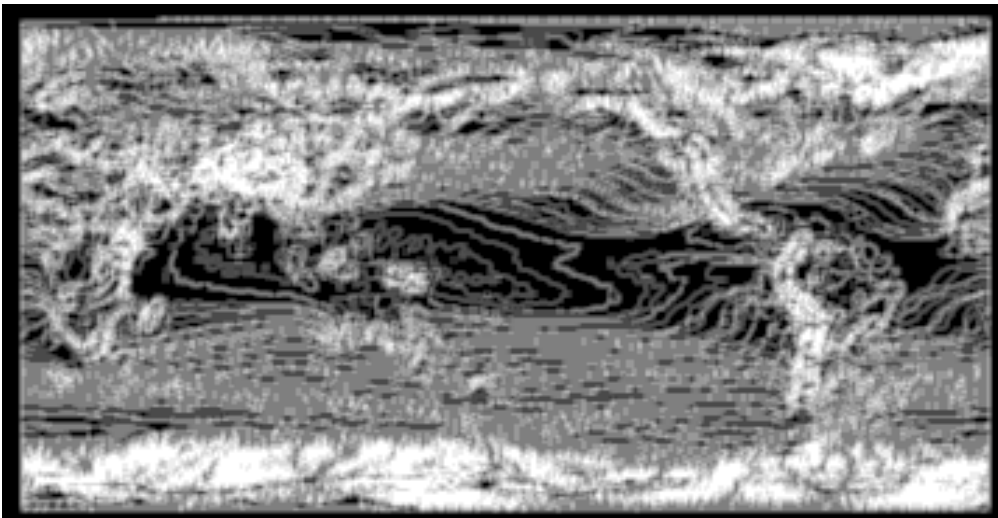This is Daniel's csv file for the historical median temperatures for the whole map.

The data was then filtered by Entropy Filter, the brighter areas the more information content:

Smooth interporlation was applied to the csv file to get a smooth stream plot and then Entropy filter was applied, the artifacts are magnified and multiplied in numbers:

Around almost black equator there are gray cruves indicating higher information content or substantial gradations of temperature.

These curves are quite visible from Central Amerca to North America.

On the raw plot there is no interpolation therefore the infromation content around equator are rendered

by few curves.

If interpolation applied as in the second plot, more such curves appear i.e. the image has more infromation (structure).

In order to gauge the information content of raw data without any averaging, below is Entropy of filter of Day 1 of 2010's temperature data:
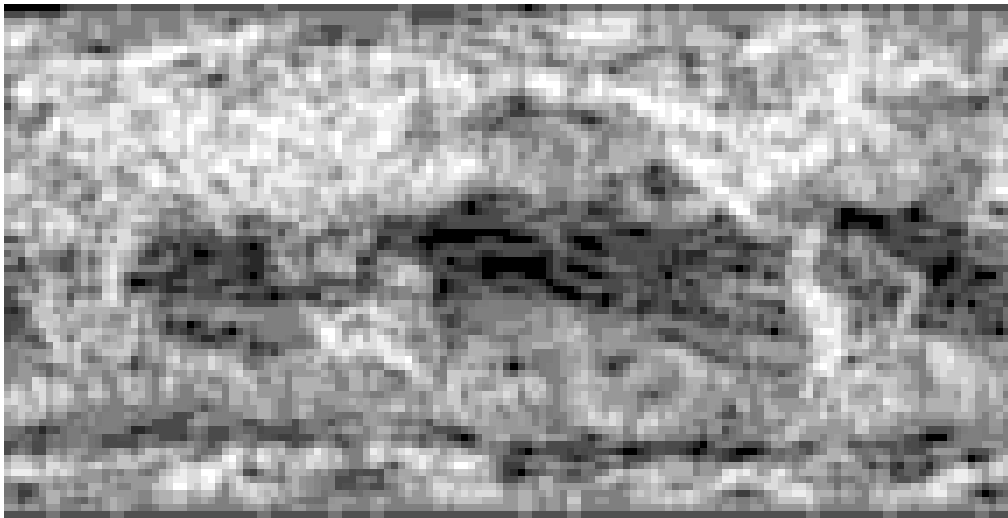
Clearly the equator is darker and one could see the almost gray curves of higher information content. Of course noisier and more complex, less regular and smooth than the average (csv file).

In Summary:

1. Clear bands of higher information content from raw temperature data
2. Bands turn into smoohter curver, lesser number for historical averaging
3. If the historical averaging smoothed once more the number of bands increase and smoother