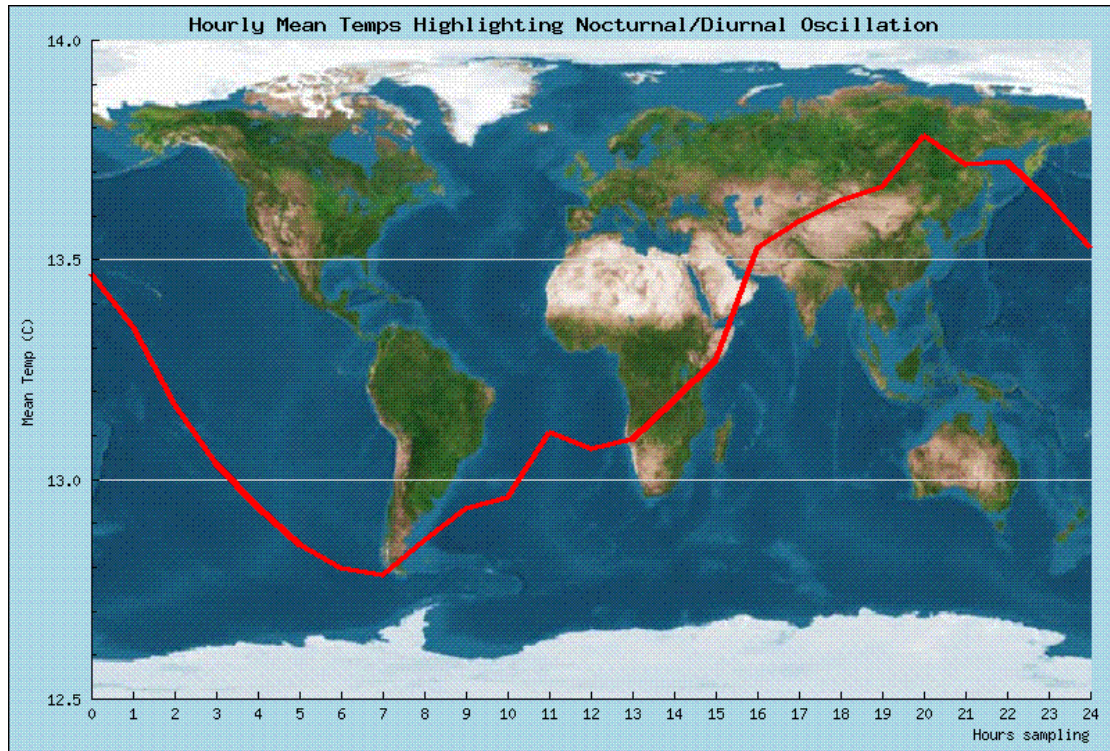


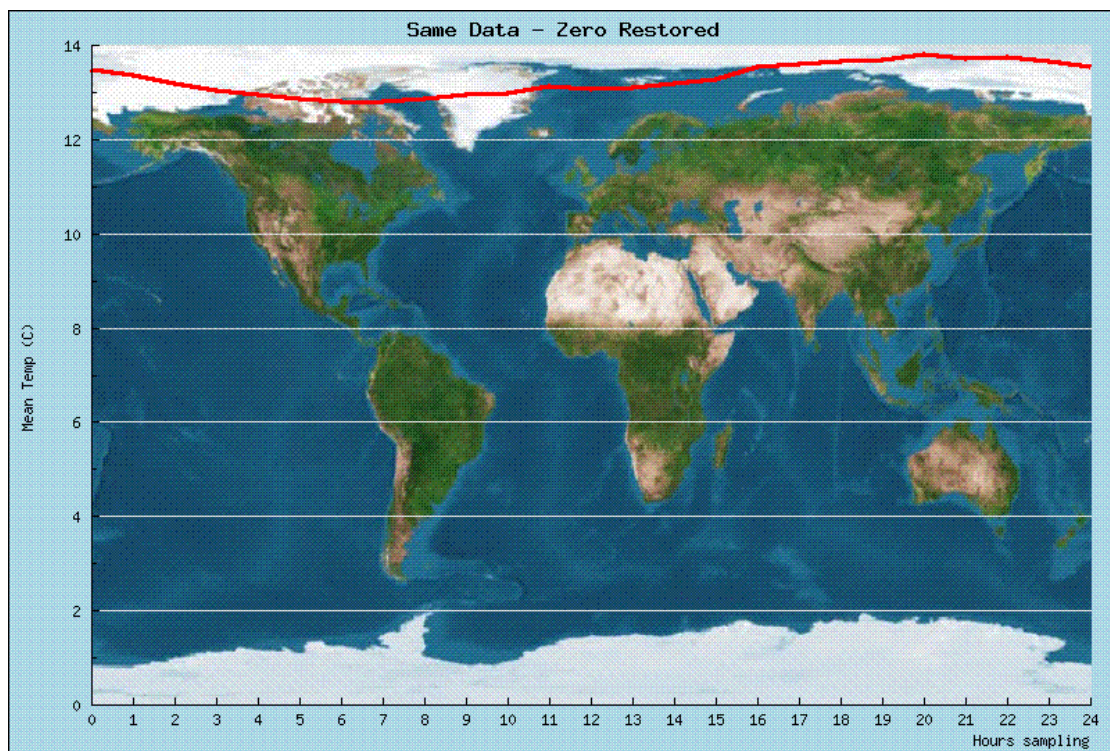
Estimating the Global Mean Temperature

Will we find any significant trend?

Ask us in thirty years or so. In the meantime, here's a trial run cycle highlighting reported temperature variation:



We have superimposed our temperature track over the world map so that the temperature track crosses the map at local noon. It looks very impressive to have such an apparent variation around the globe but that is an illusion of graphing style. The absolute range of sampled mean temperatures was 1 °C (12.78 °C – 13.78 °C) and the day's mean was 13.27 °C (this was sampled Saturday, April 9, 2005 and we are working in GMT.) This is what it looks like with the Y axis restored to zero-base (filling in the "missing" portion):



The estimated global mean (1951-1980) is usually cited as $14\text{ }^{\circ}\text{C} \pm 0.7\text{ }^{\circ}\text{C}$ so our sampled day of $13.27\text{ }^{\circ}\text{C}$ puts us in the ball park, at least. With our northern sampling bias and the northern hemisphere having entered spring, we anticipate our sampled day mean figure to creep (or leap) higher as we get into the hemisphere's summer months.

Always providing our little application proves robust (i.e., survives the horrible things we do to try to break it during trials) we should commence public reporting of hourly estimated global mean temperatures May 2005.