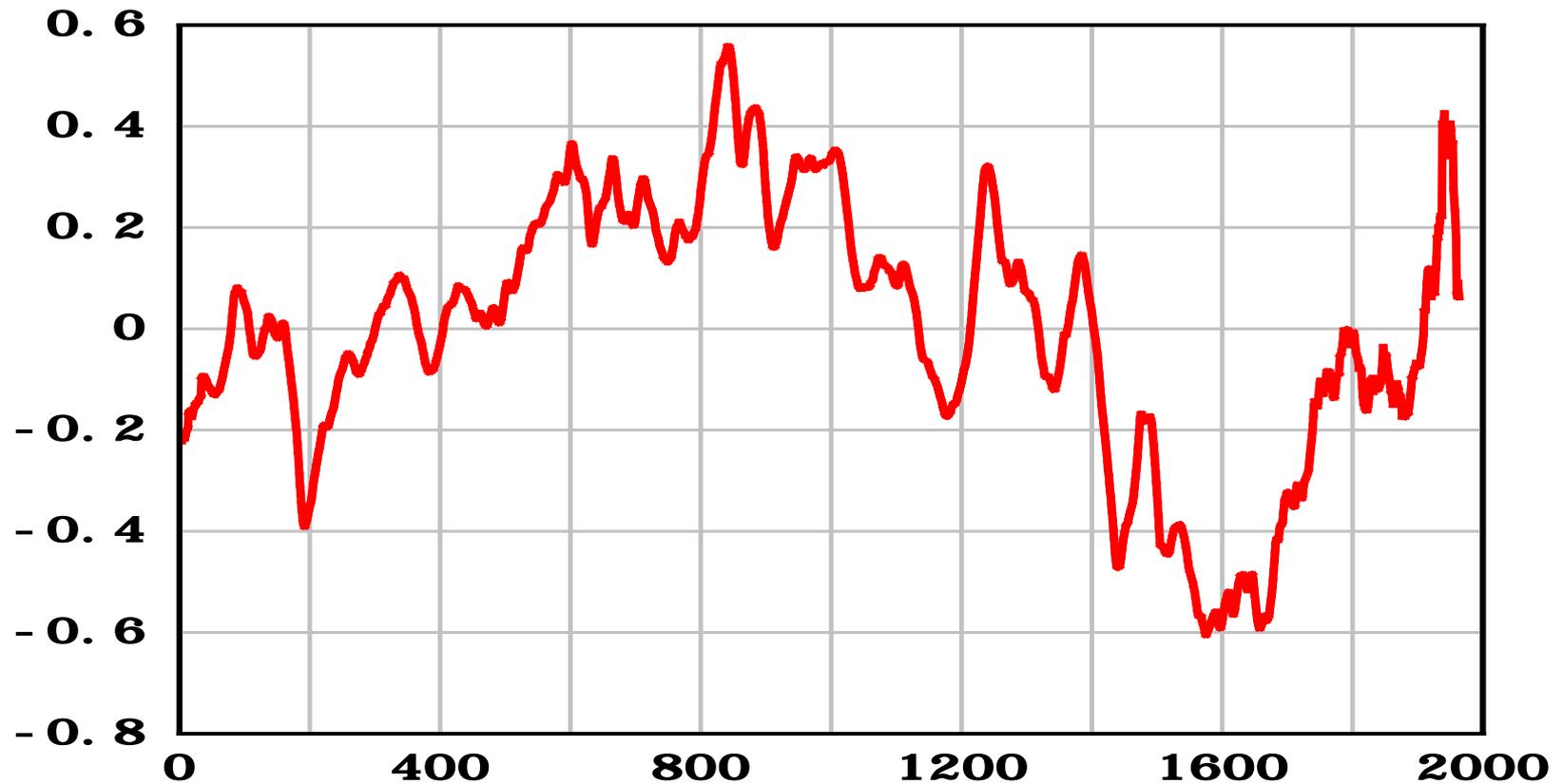
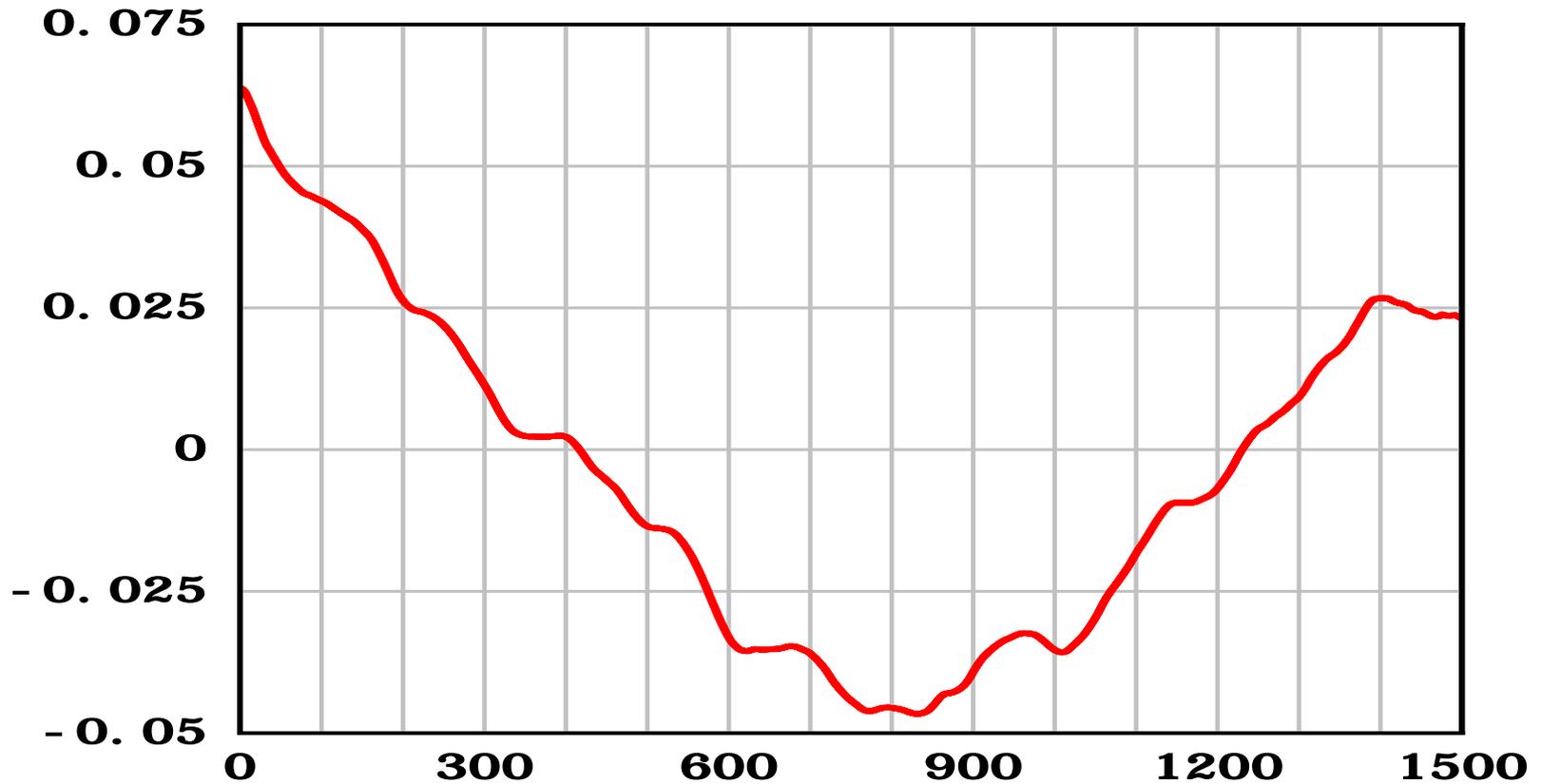


Autocorrelation Analysis of Loehle Global Temperatures for the Past 2000 Years

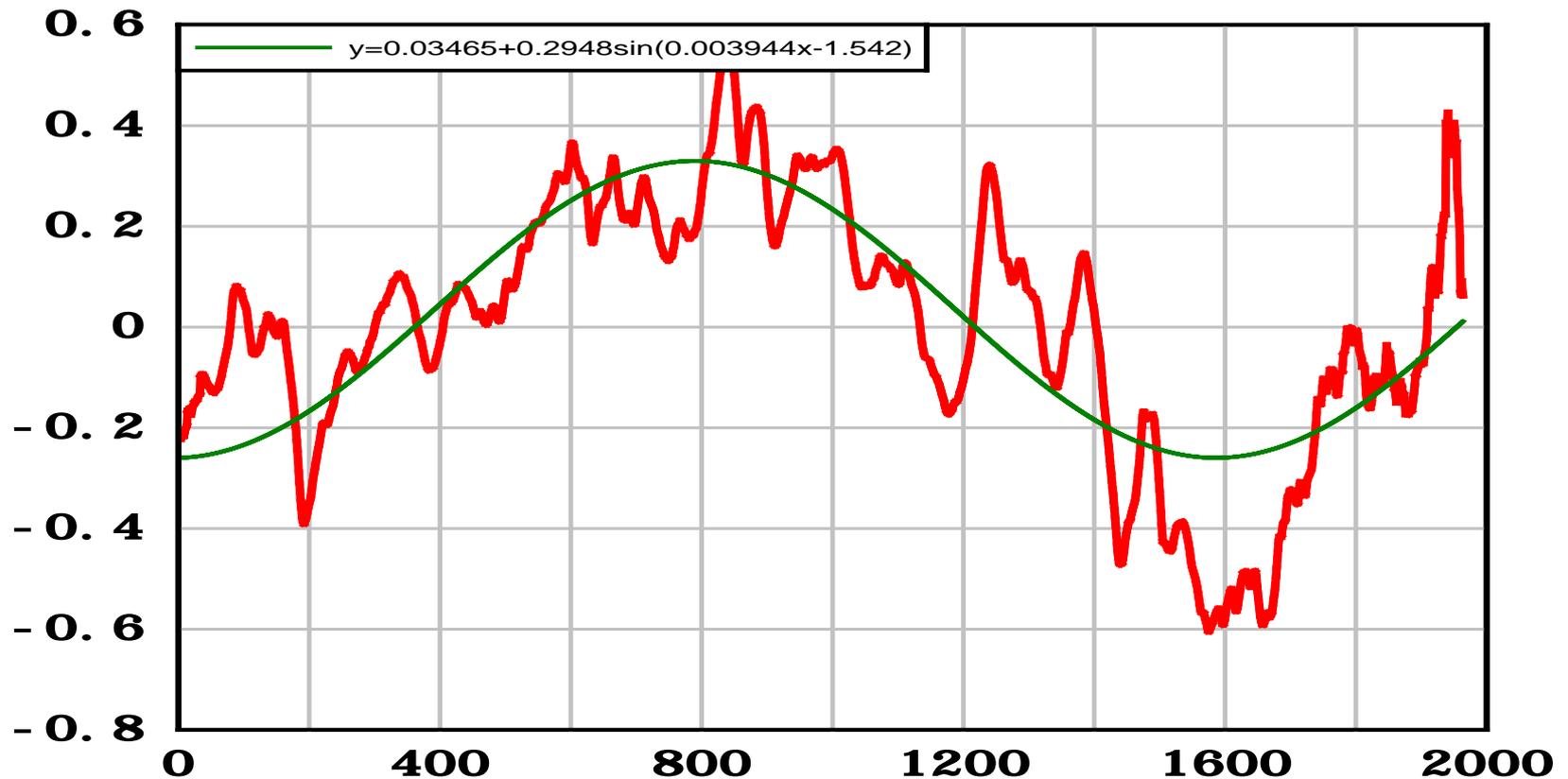
The Original Data



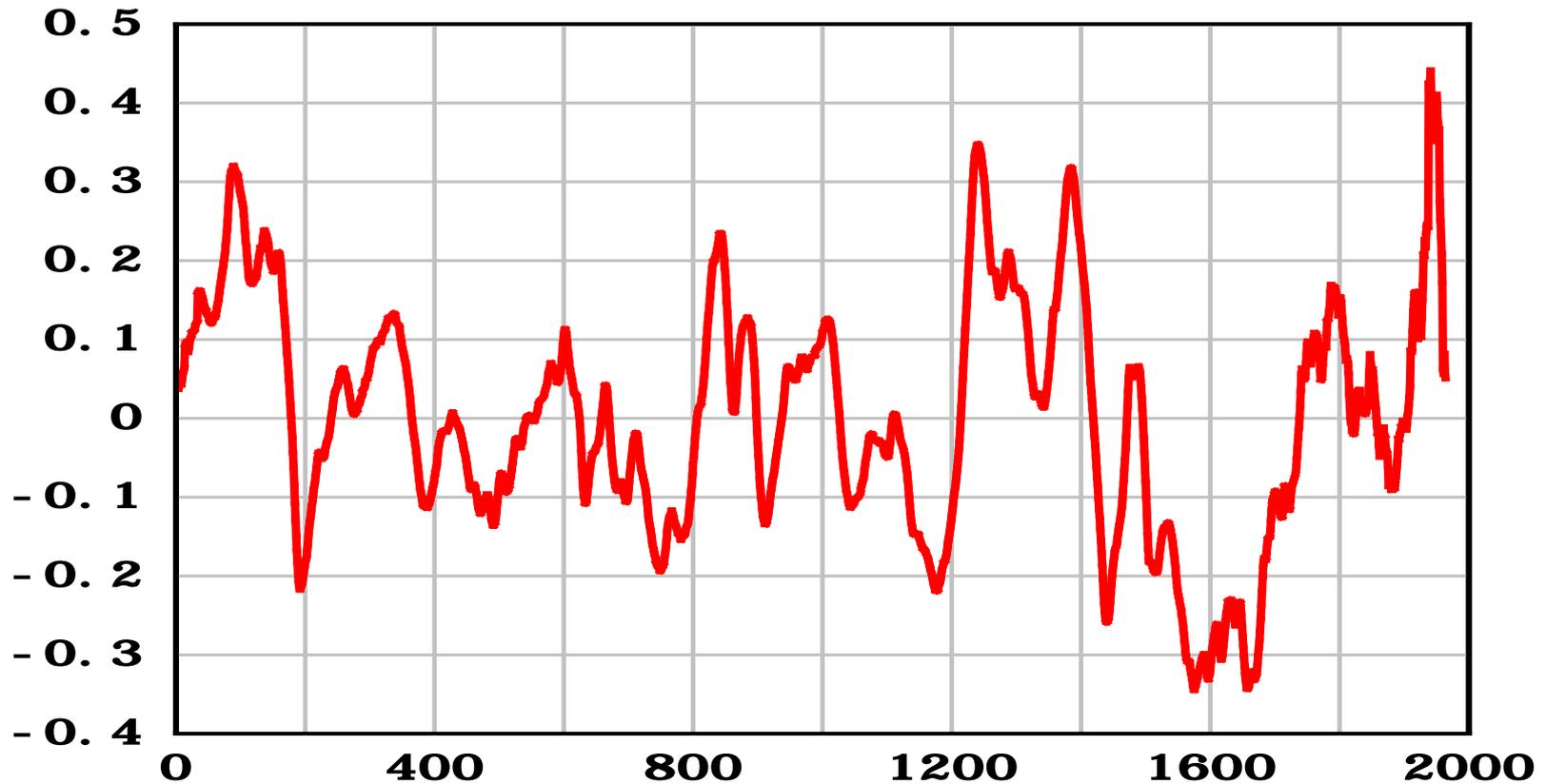
Its Autocorrelation to Lag=1500



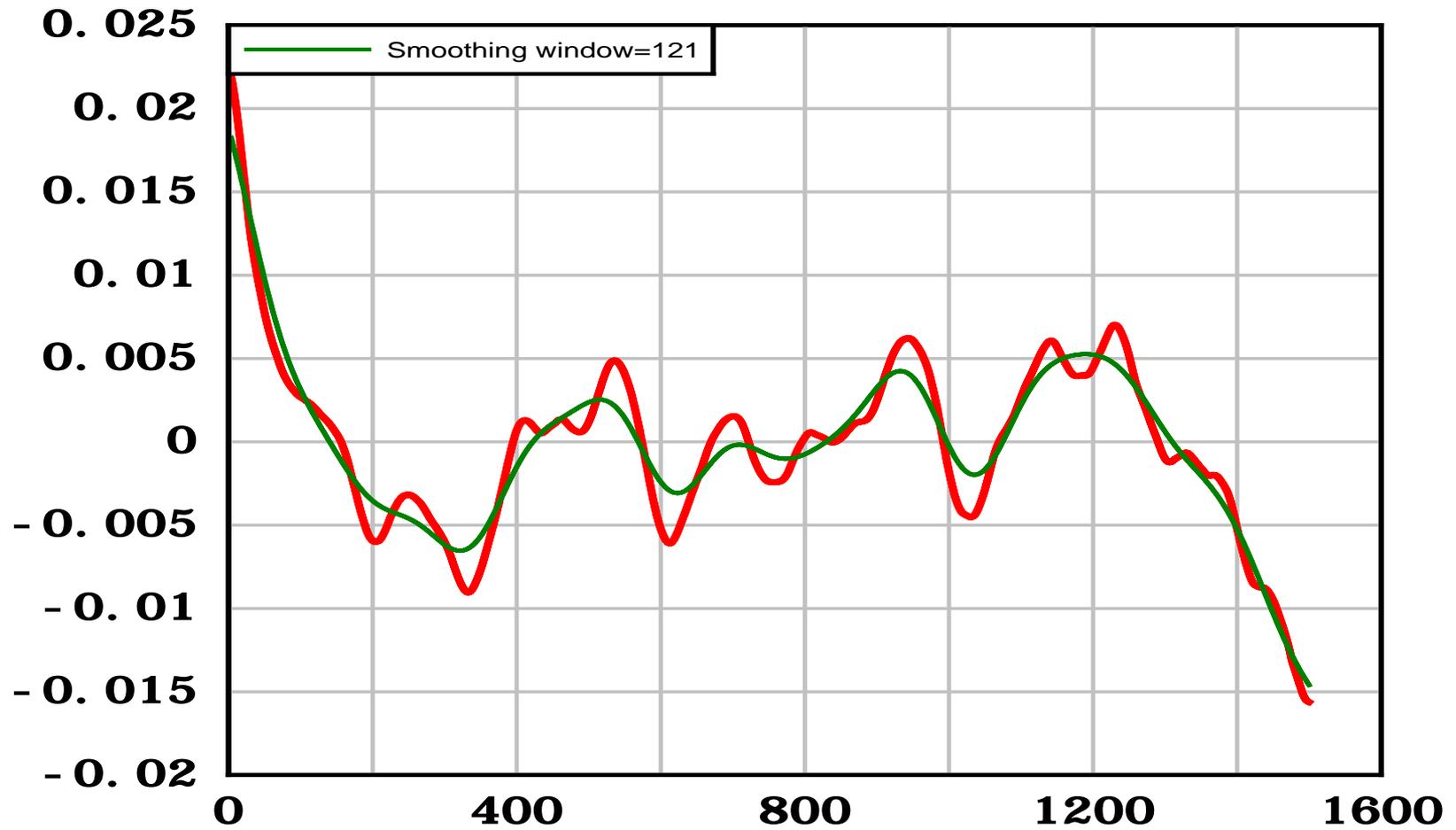
It is clear that there is long period of ~1593 years.
Its power overwhelms that of shorter cycles



But we can remove the long cycle

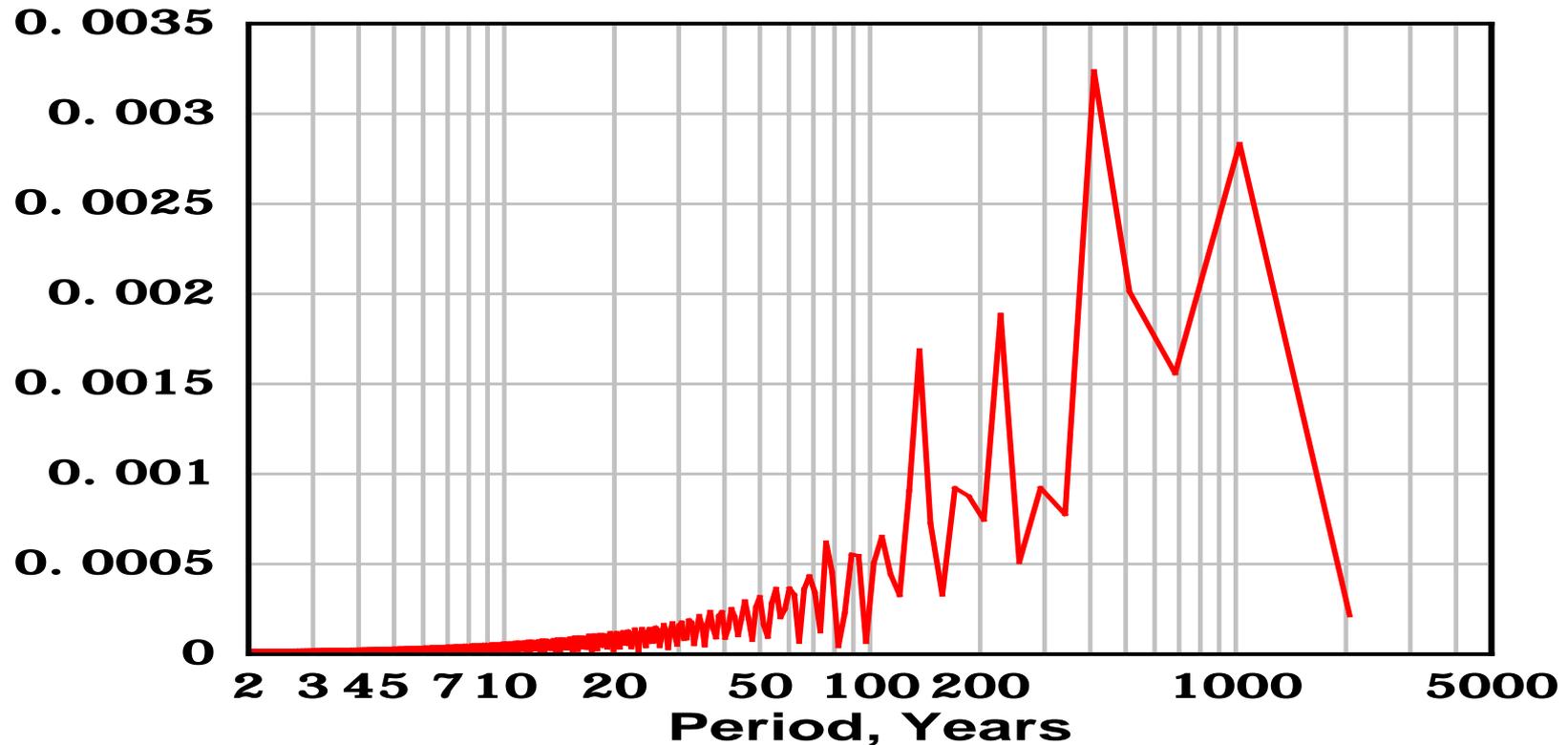


With Autocorrelation to Lag = 1500



The FFT of the Autocorrelation still shows power at long periods 400-500 years

Which is also visible by eye on the previous plot



With smaller peaks at 1/2 and 1/3 that at 228 and 137 years

But no significant
power at 62 or 23 years