CommentsA4.docx   ... will be in other.zip

1. Low end of frequency axis (f=0) is infinite wavelength. Longest wave that can be completely seen in a series is fundamental wavelength. But series can have longer-wavelength variability.
2. Harmonics (secondary spectral peaks) can sometimes show up at integer multiples of frequency of a strong cycle.
3. Non-significance (e.g., in acf and spectrum) could simply mean your series is too short for the observed feature to be distinguished from random sampling variability.