sampling rate: 10 frequency (1.42857 samples per hour) signal period: 7 hours, frequency: 0.14286 cycles per hour number of samples: 81, 8 periods df: 0.01764, Δf : 1.41093 cycles per hour dt: 0.70000, Δt : 56.00000 hours $df = 1/\Delta t, \Delta f = (n-1)df = 1/dt$ offset: 0 m, amplitude: 2 m, initial phase: 0.0 °, noise: 0.0

