

sampling rate: 1 frequency (0.14286 samples per hour)
signal period: 7 hours, frequency: 0.14286 cycles per hour
number of samples: 9, 8 periods
df: 0.01587, Δf : 0.12698 cycles per hour
dt: 7.00000, 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

