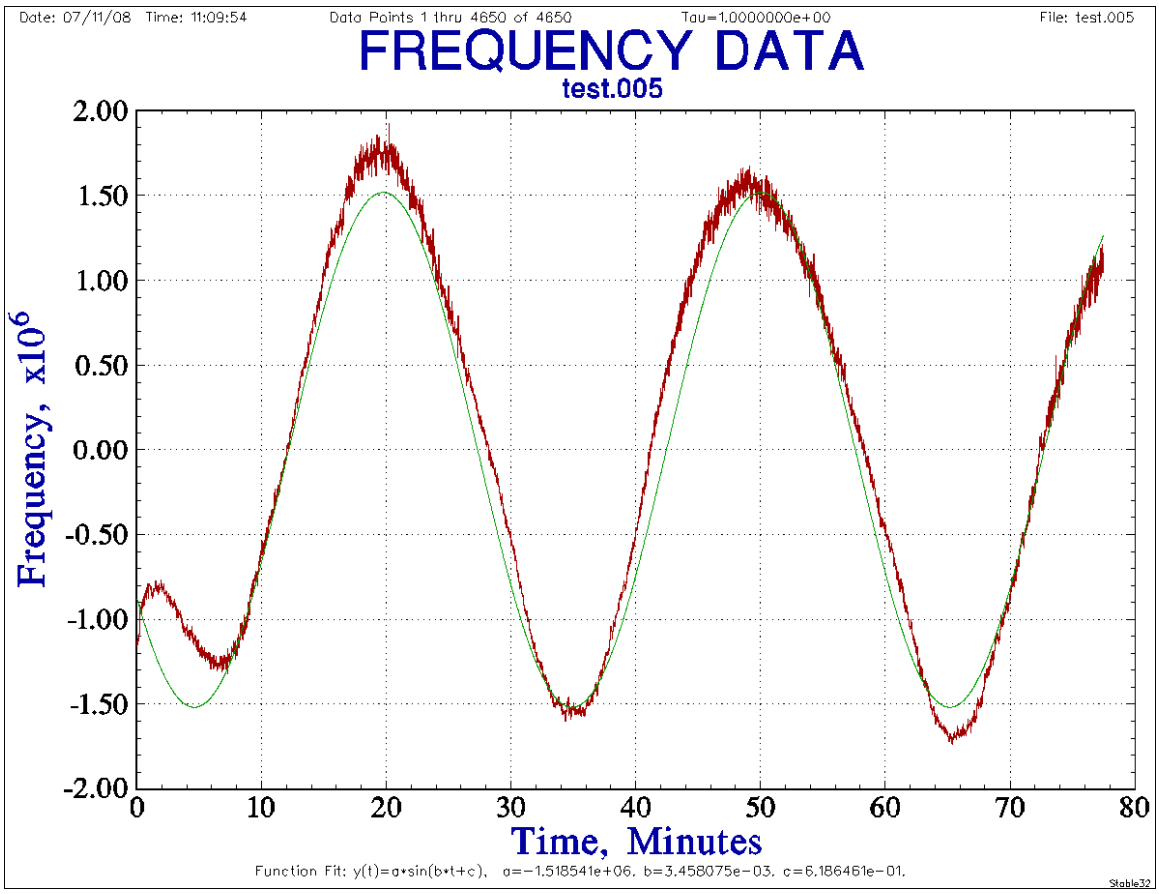

Data unscaled, tau = 1 (averaged x100)
Mean value and linear drift removed
File: test.005
Function: y(t)=a*sin(b*t+c)
Initial values : a = 3e6, b = 3e-3, c = 2
Fit Parameters:
a = -1.518541e+06
b = 3.458075e-03
c = 6.186461e-01
t = Data point #
r^2 = 9.629778e-01

The period of the sine fit is about 30 minutes (1800 points). The radian frequency of the fit is the b parameter = 3.46e-3, which corresponds to a period of 2π / 3.46e-3 = 1816 points = 1816 seconds = 30.3 minutes.