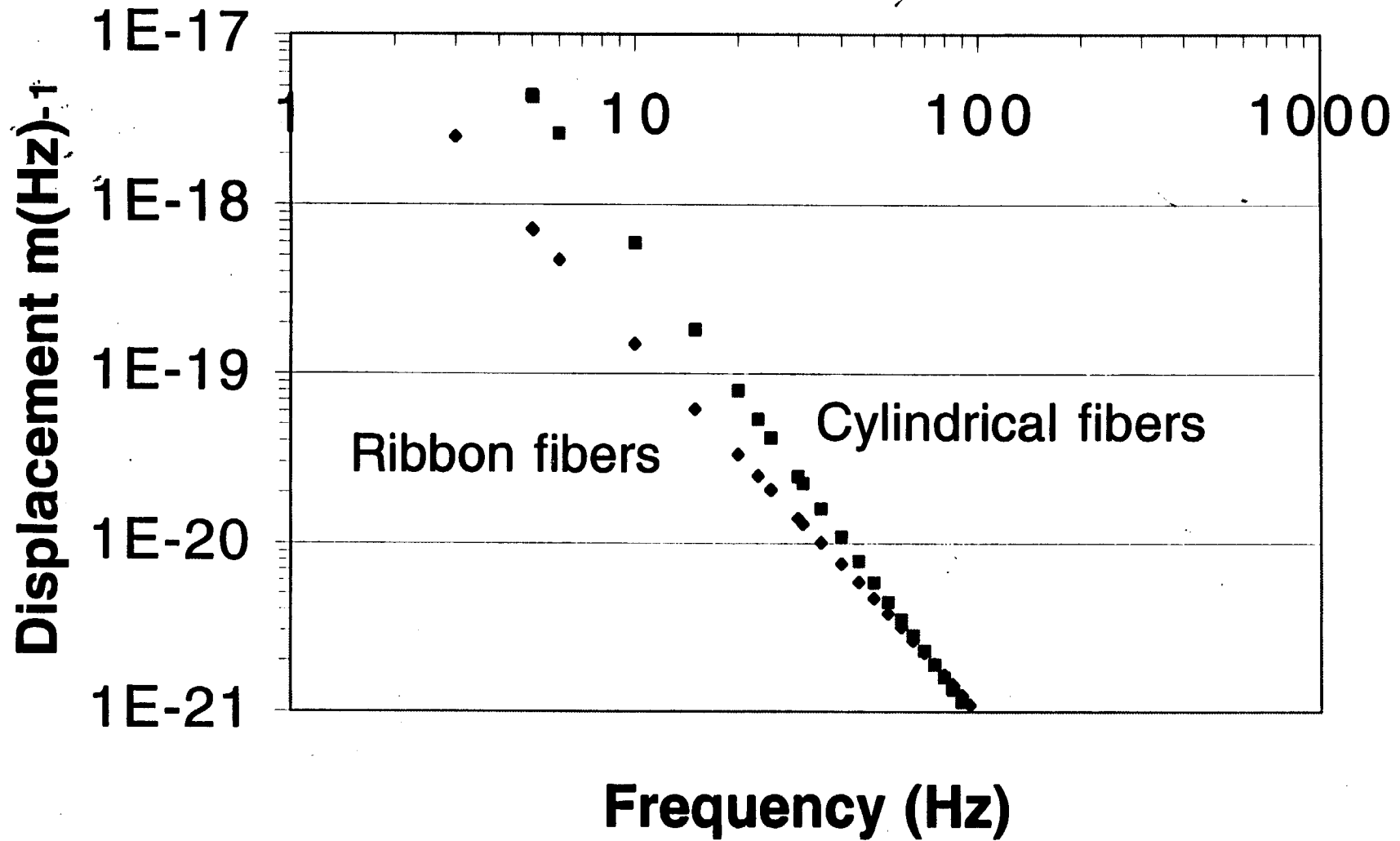
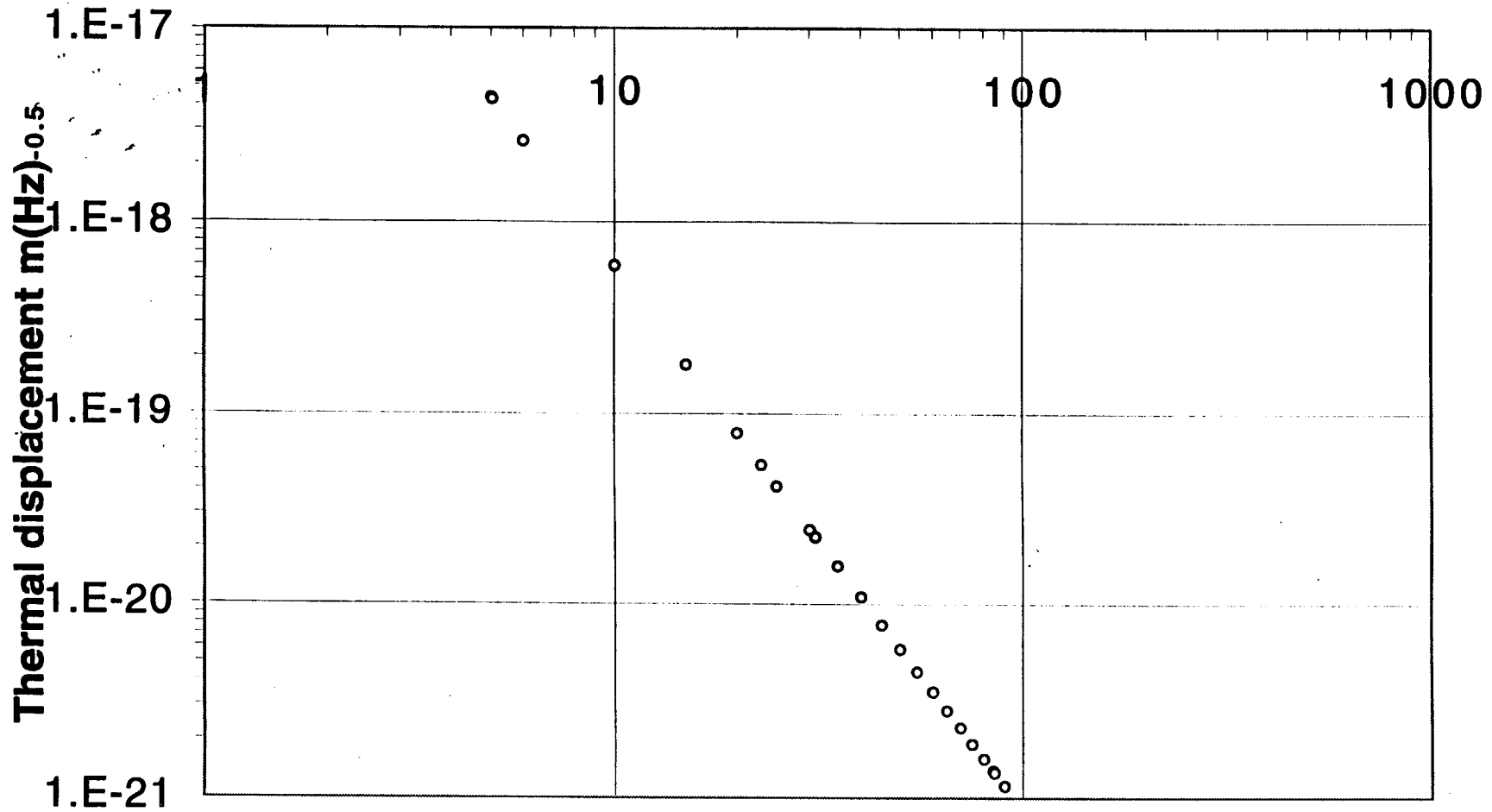
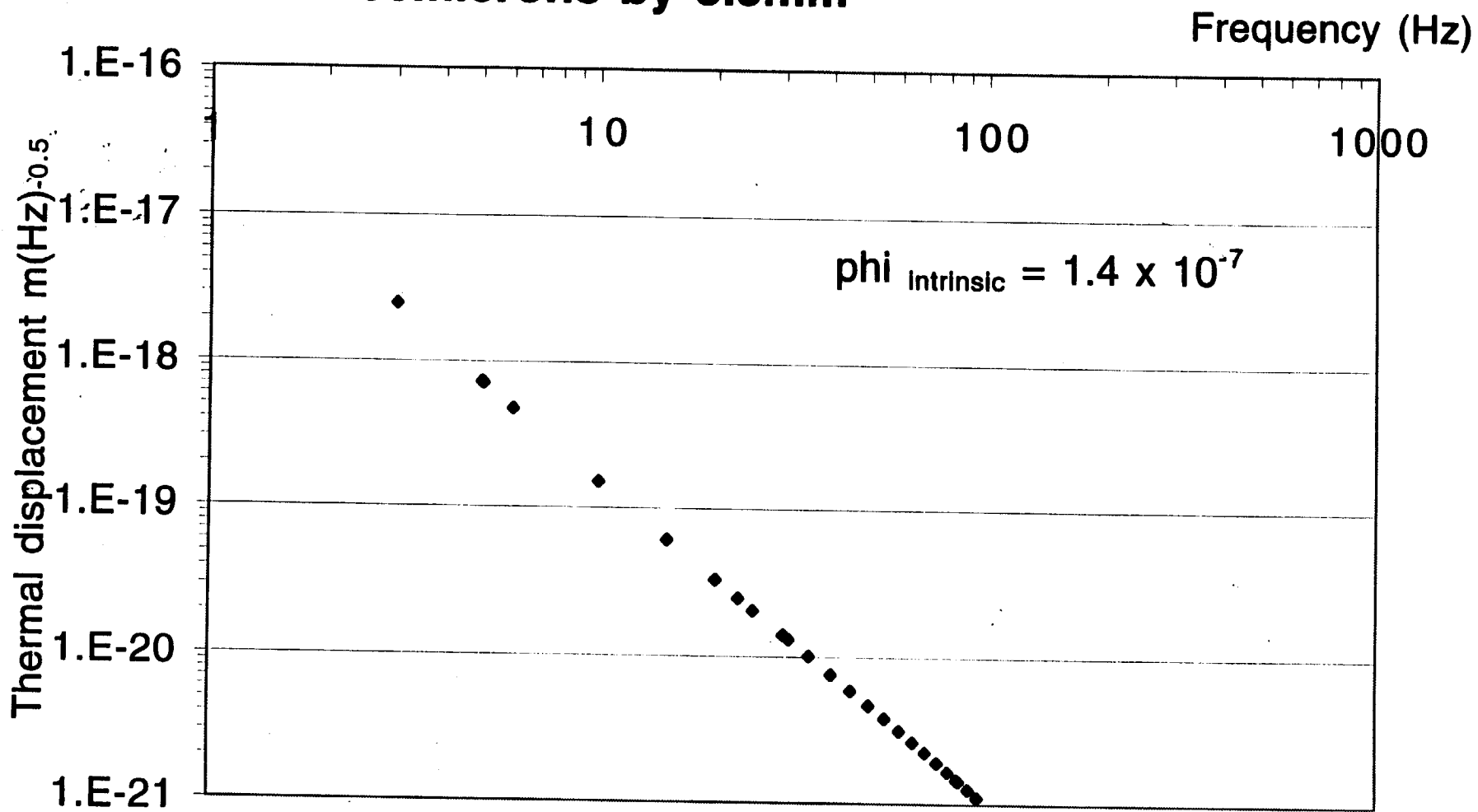


**Pendulum thermal noise.  $M = 30\text{kg}$ .**Fiber diameter =  $838\mu\text{m}$ 

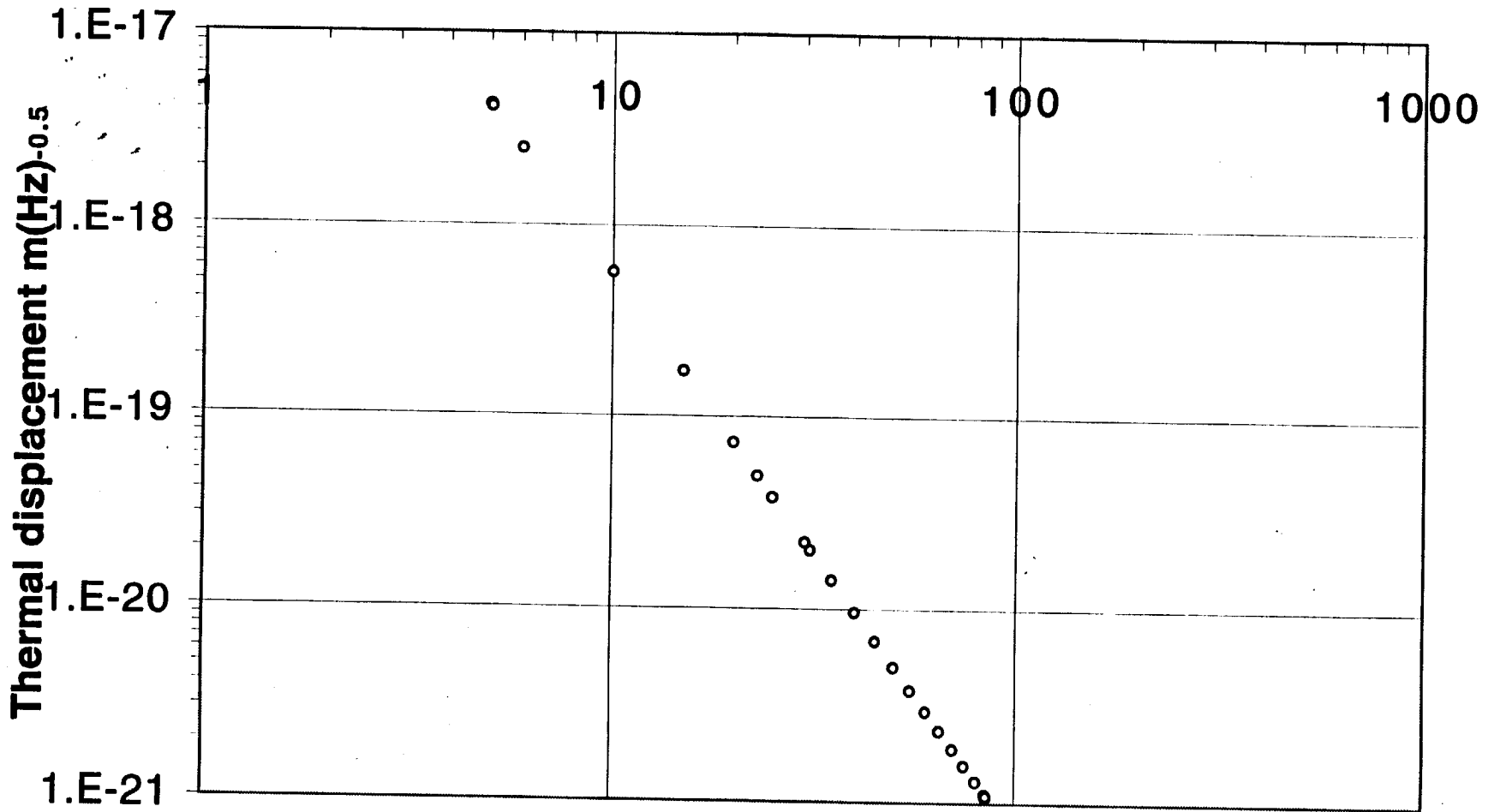
**Pendulum thermal noise,  $m=30\text{kg}$ ,  
cylindrical fibers ( $\phi_{\text{intrinsic}} = 1 \times 10^{-7}$ )** Frequency (Hz)



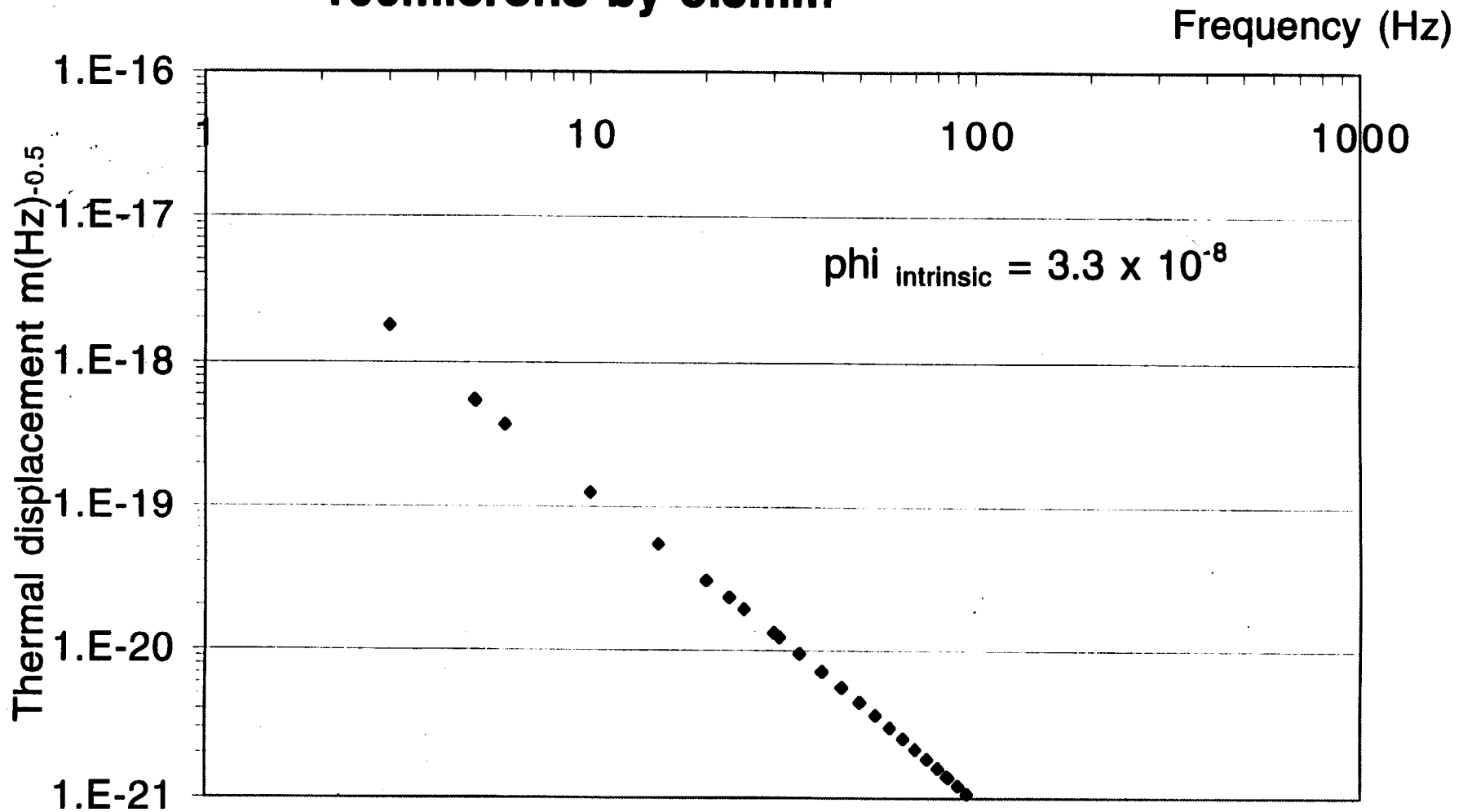
# Pendulum thermal noise, $m = 30\text{kg}$ , ribbon fibers 100microns by 5.5mm



**Pendulum thermal noise, m=30kg,  
cylindrical fibers (  $\phi_{\text{intrinsic}} = 3.3 \times 10^{-8}$  )** Frequency (Hz)



# Pendulum thermal noise, $m = 30\text{kg}$ , ribbon fibers 100microns by 5.5mm



*Note 1, Linda Turner, 08/17/99 08:19:02 PM*  
LIGO-G990079-26-M