

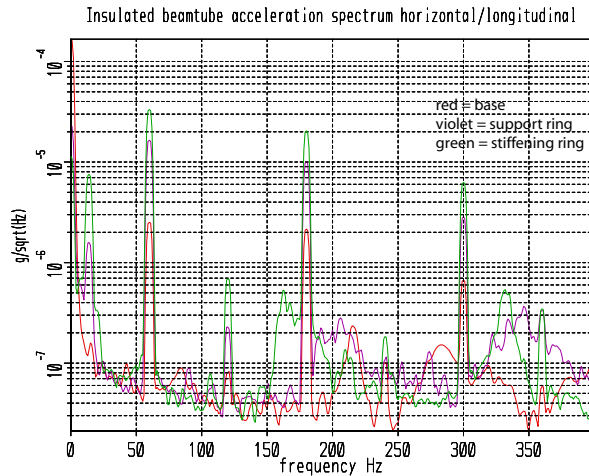


Figure 1 Longitudinal acceleration spectrum

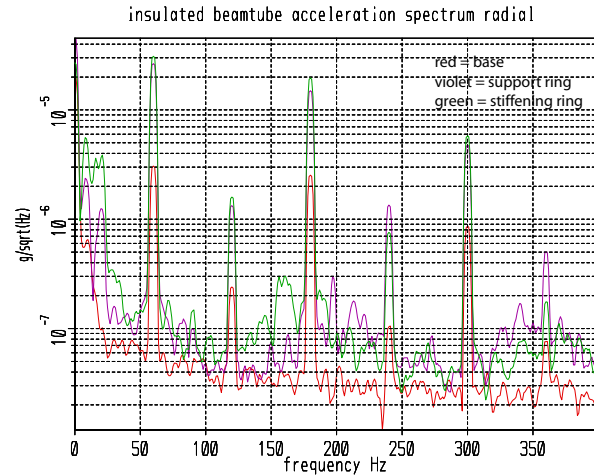


Figure 2 Radial acceleration spectrum

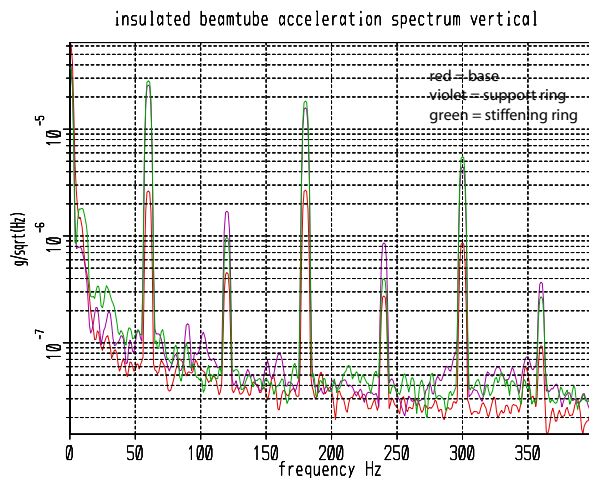


Figure 3 Vertical acceleration spectrum

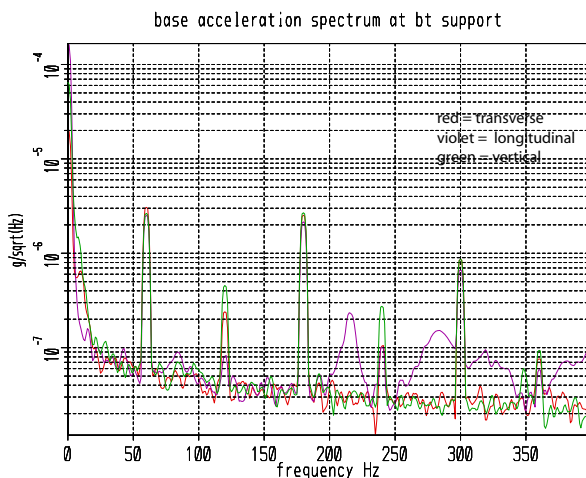


Figure 4 Acceleration spectrum at base

Kip and Eanna,

This is not new data. It is the beamtube acceleration spectrum at Hanford after the insulation was put on the tube. The peaks at 60Hz and harmonics are vibrations induced by transformers that were placed along the beam tube for CBI operations. Some were used later for the bakeout. Some of the transformers are no longer energized while others have been removed. My strong guess is that the driving spectrum at 60Hz and harmonics is now *much smaller*. The peak one needs to worry about is the one in the longitudinal spectrum at about 14Hz. To be sure of my guess we need to measure the acceleration on the base again.

I have not yet looked hard at the errors you have found in my report on May 31, 2007. That's next.
RW