

Compound Vertical Seismometer

(Prototype brought to Workshop)

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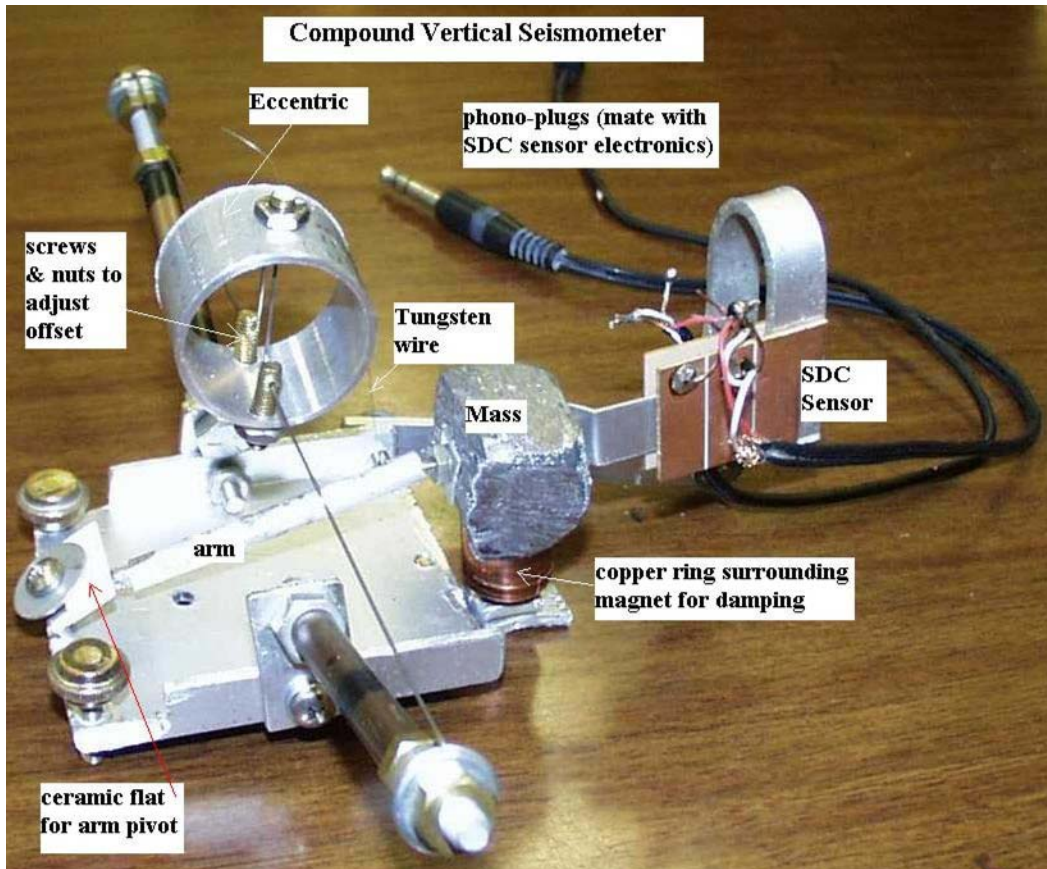


Figure 1. Photograph with labeled components, compound vertical seismometer.

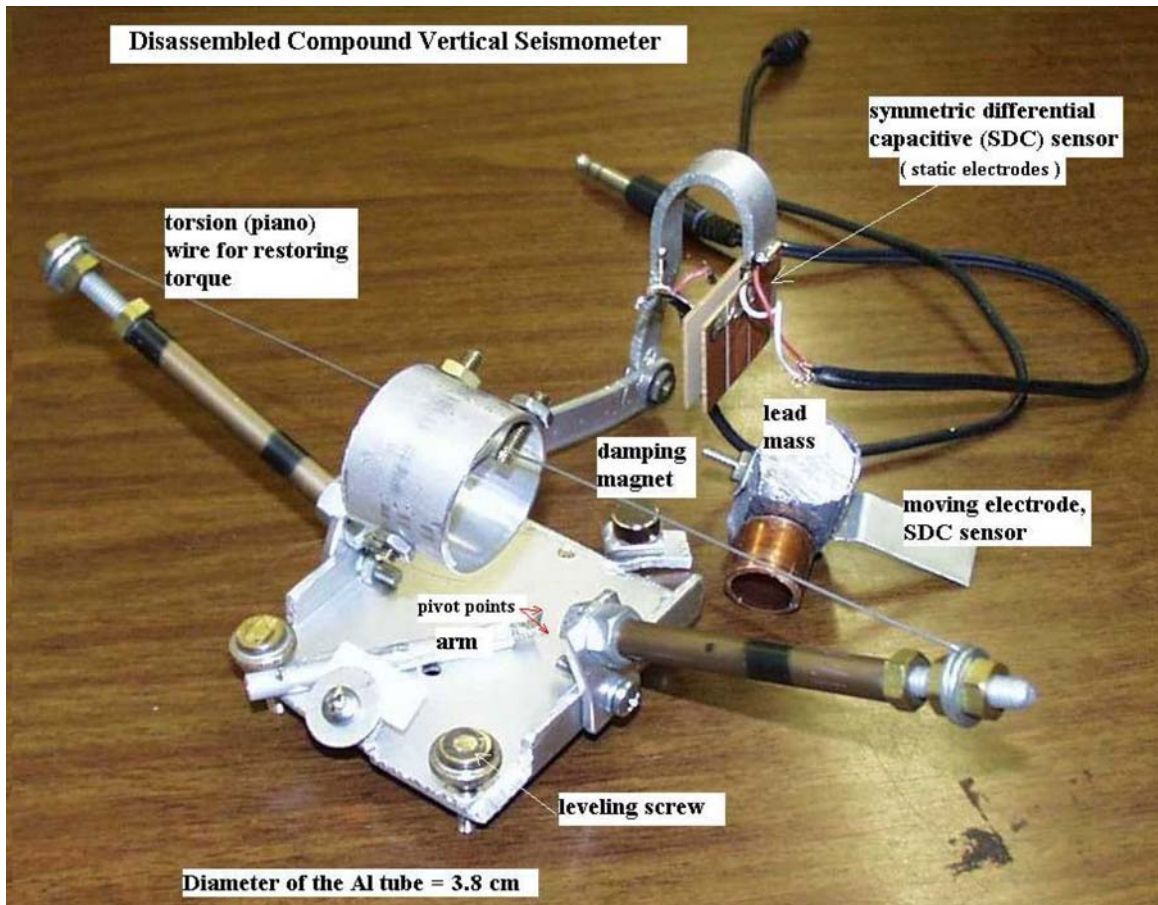
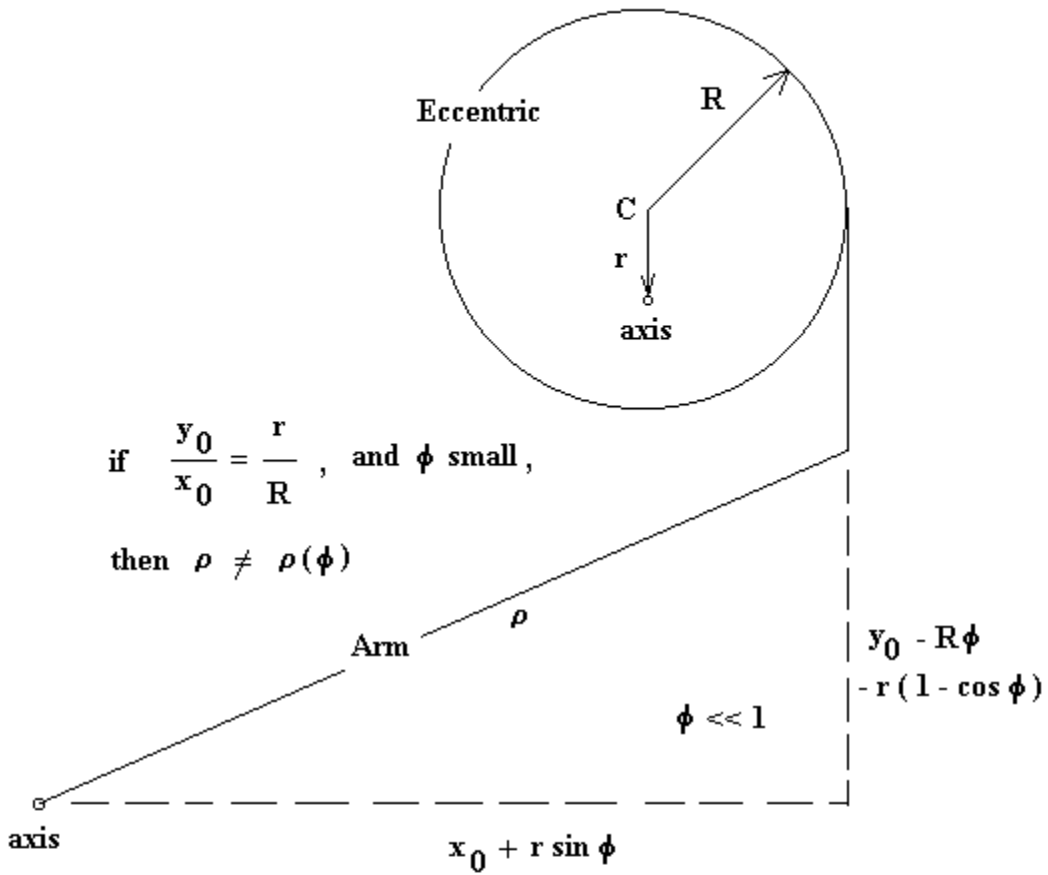


Figure 2. Photograph of the partially disassembled instrument.

Arm Geometry, Compound Vertical Seismometer



Influence of Axis Offset--variations about rc

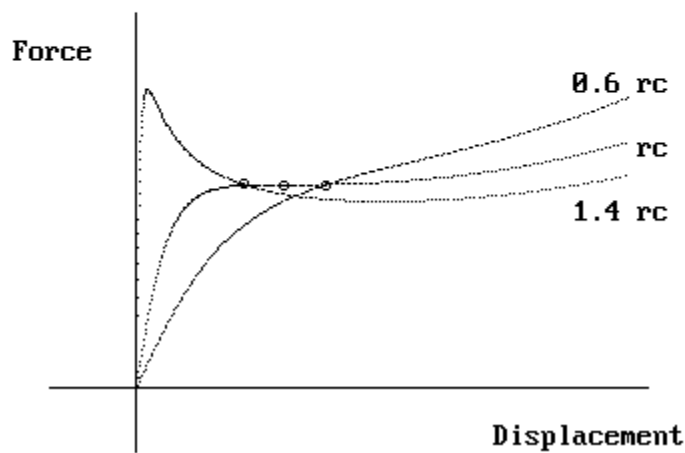


Figure 3. Geometric considerations for design of a compound vertical seismometer.

Compound Vertical Seismometer--design considerations, arm length

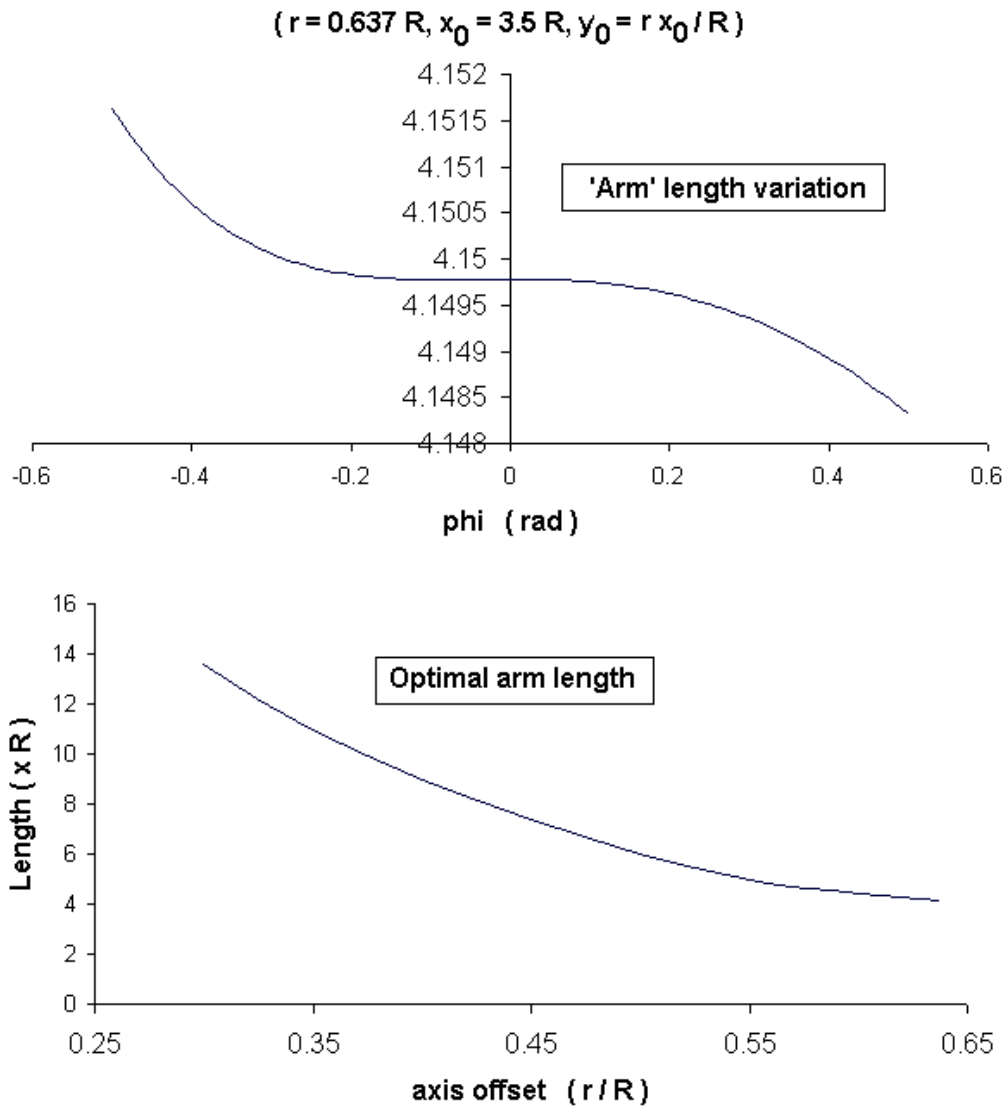


Figure 4. Design considerations for the pivoting arm.

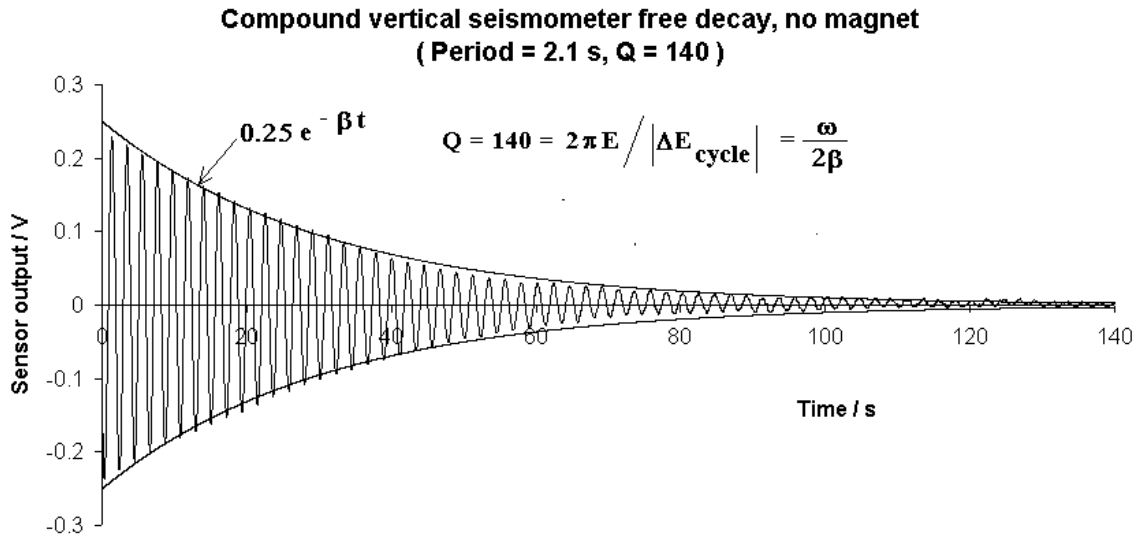


Figure 5. Example free-decay of CVS instrument without eddy-current damping.

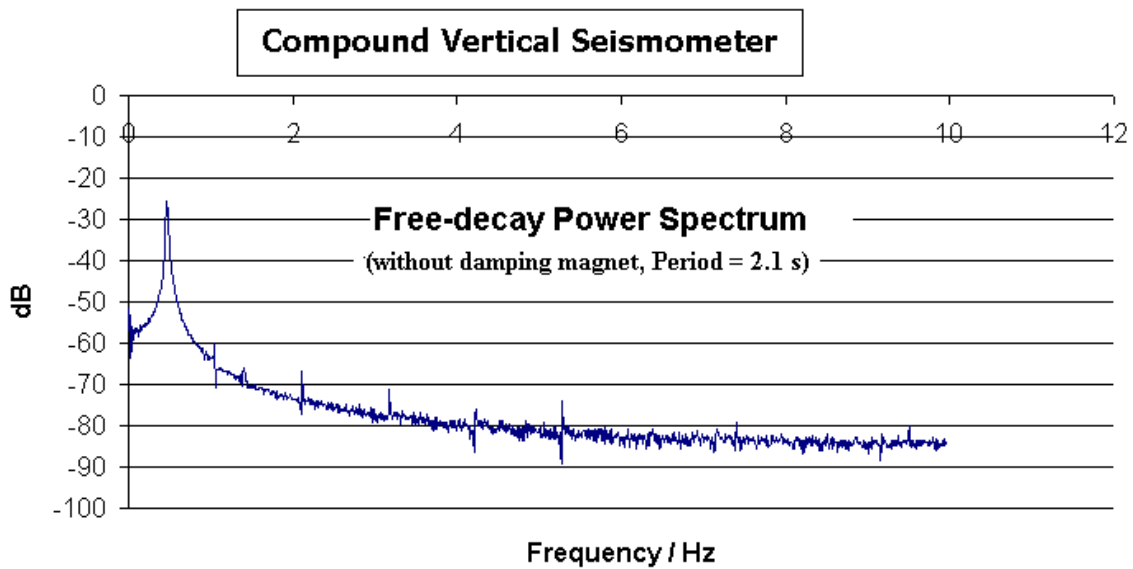


Figure 6. Power spectrum of the Fig. 5 decay.

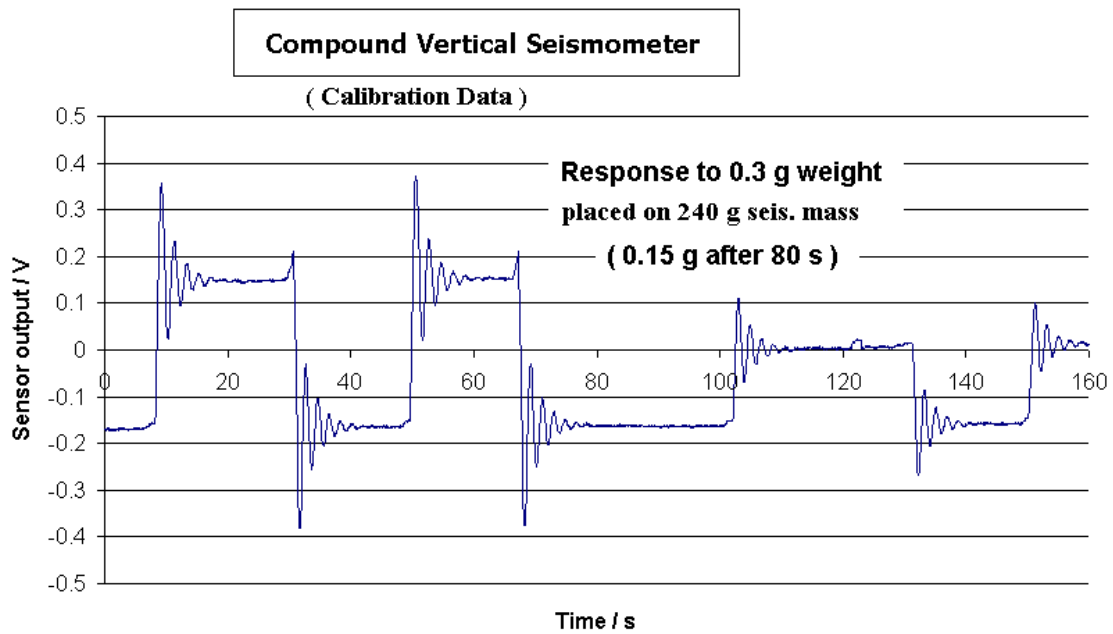


Figure 7. Example calibration data, CVS instrument.