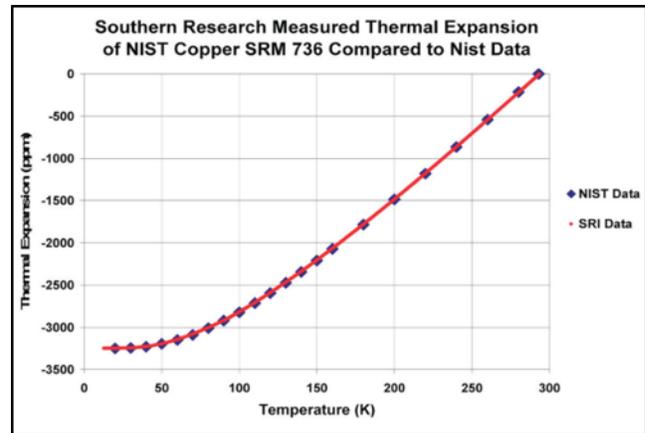
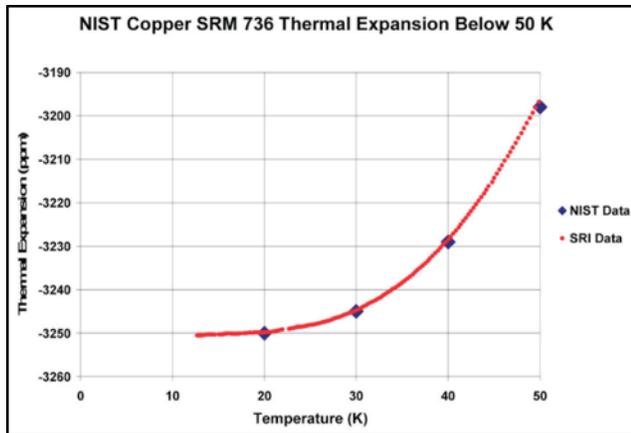


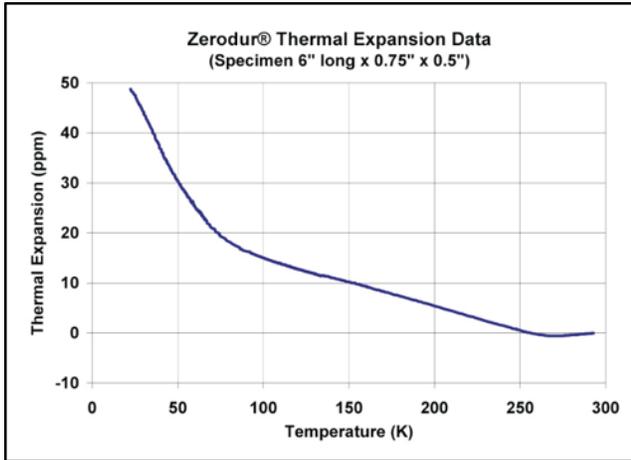
Kratos SRE has developed unique facilities for measuring thermal expansion with ultra-high accuracy from >350 K down to below 30 K. Using interferometers and a proprietary optical flagging system, CTE accuracy of better than 20 parts-per-billion is standard. Sample sizes can range from 1 cm to 1 meter in length.

■ **Absolute Accuracy**

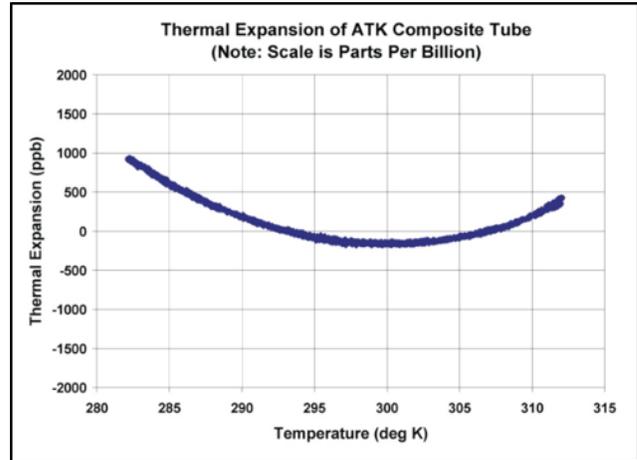
- Expansion data generated on NIST Cu SRM 736
- No reference standards or back out factors
- Cosine error minimized
- Abbé error largely self-canceling
- Optics thermal drift self-canceling
- Large data sets with continuous data density



■ **Cryogenic Capability**



■ **Precision to PPB**



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