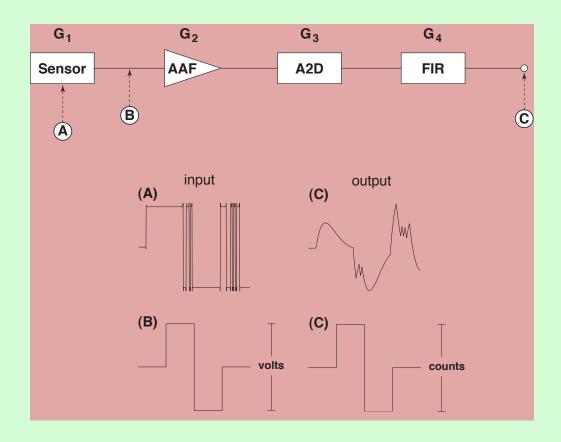
IDA GSN Calibration Procedures

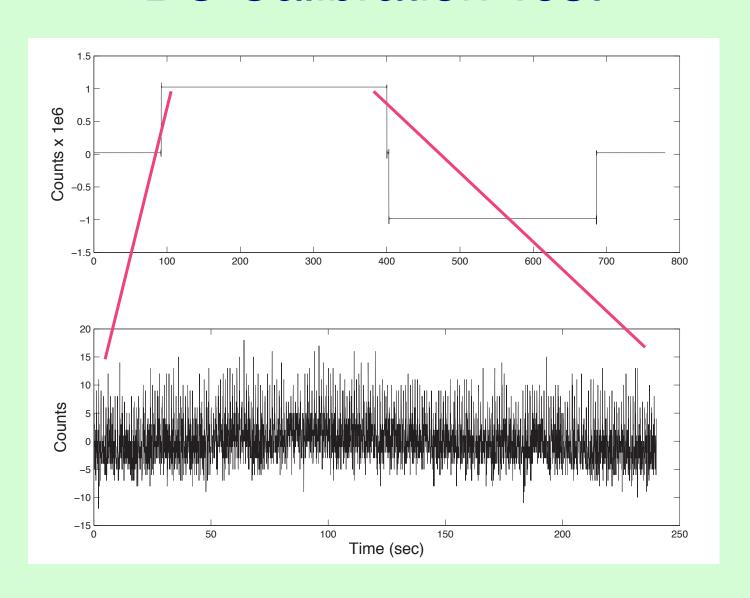


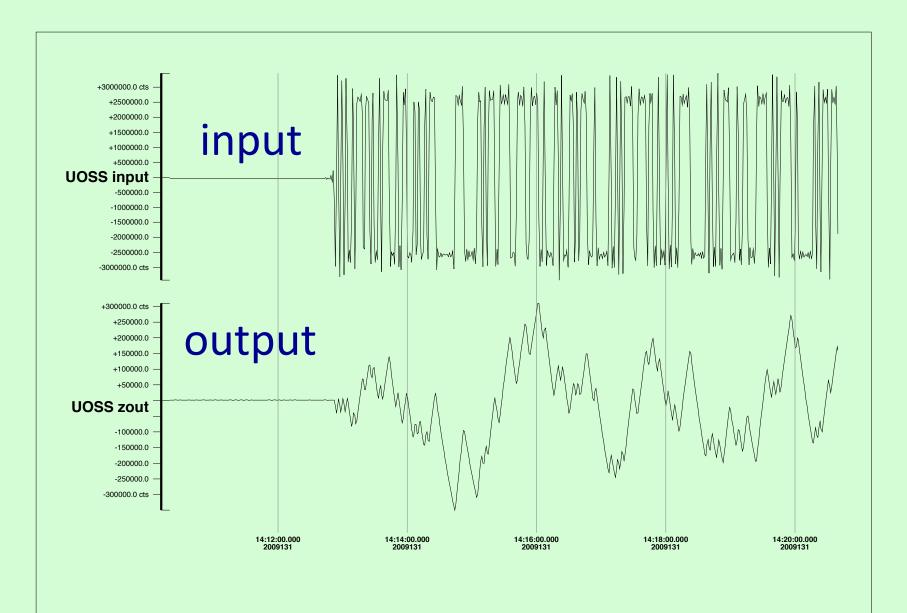
Metadata Accuracy



Traditional calibration procedures verify the DAS sensitivity and measure shape of system response.

DC Calibration Test



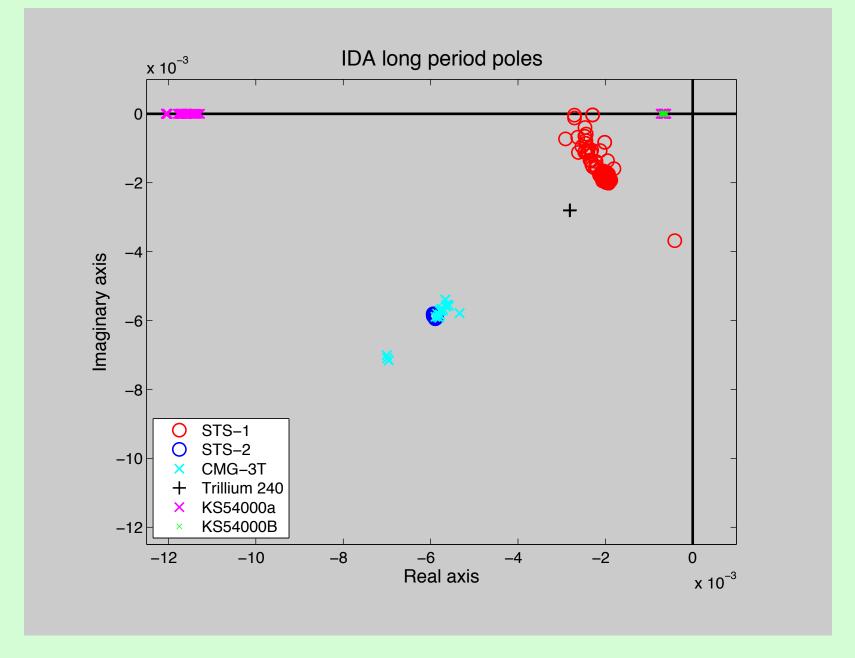


Filter: None, Amp: Auto

BRTT dbpick: rbtest /scr/day/pdavis/voo.ps pdavis Thu Jun 3 14:39:19 2010

(Input) * (model) - (Output) = (residual)

- 1. Choose manufacturer's model to start.
- 2. Change model to minimize residual.
- 3. If modeled output matches observed output within specification, accept model.



Outcome of pole-fitting at long periods.

What these tests measure:

- Random binary test determines shape of response curve within 1%
- Step input to digitizer determines DAS sensitivity to > 0.1%
- Manufacturer provides value of sensor generator constant to within 1%





Nanometrics compact Trillium 120 and Taurus digitizer



SenSorLoc Kit:

Calibrate with independent, portable sensor:





For more information visit our website or contact us at:

Multiwave Sensors Inc. 8510 Torbram Road, Unit #67, Brampton, Ontario, Canada L6T 5C7 phone: 905 458 9060 email: info@multiwavesensors.com





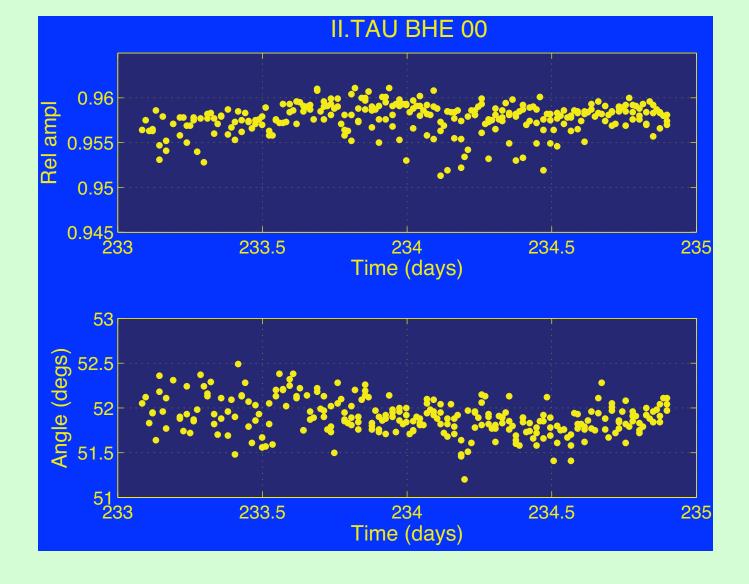
Orient using Differential GPS Compass



APS used to measure orientation of Trillium







Analysis of microseisms yields relative amplitude accurate to < 1%, orientation < 1 deg



Shaketable at IGPP

Calibrated optically within >0.5%



Shaketable results for the Compact Trillium seismometer

