

Article

Supplementary Data: Fibre Bragg Grating Based Interface Pressure Sensor for Compression Therapy

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Figures S1 – S9

Calibration data showing wavelength shift against mass for the ten sensors. This was done using the method described in section 2.3.1 of the main paper.

Figures S10 – S16

Graphs showing the response of the sensor using a blood pressure cuff as described in section 2.3.3 of the main paper.

Figures S17 – S20

Graphs showing the response of the sensor compared to the response of the gold standard sensor when used under a compression bandage, using the method as described in section 2.4.2 of the main paper.

Note that in figures S19 and S20 a two layer bandage system was used.

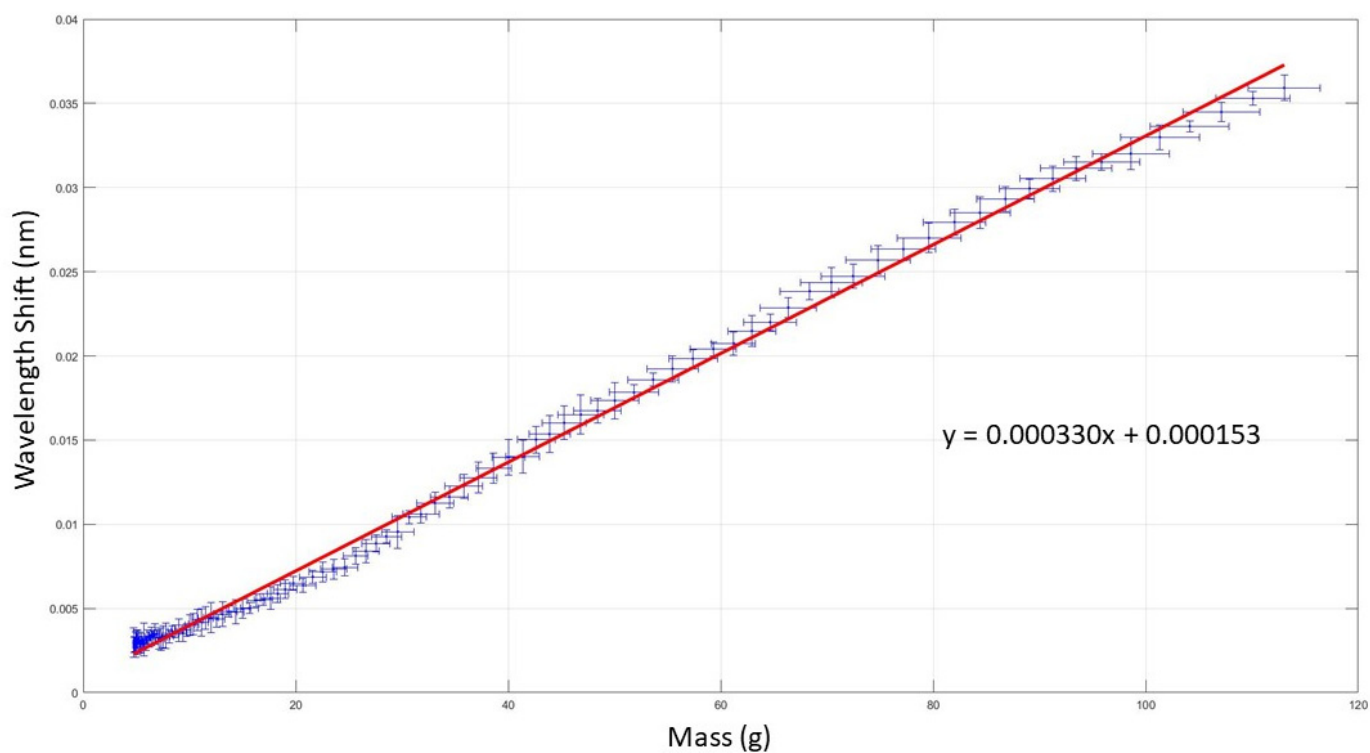


Figure S1 Calibration Data 2

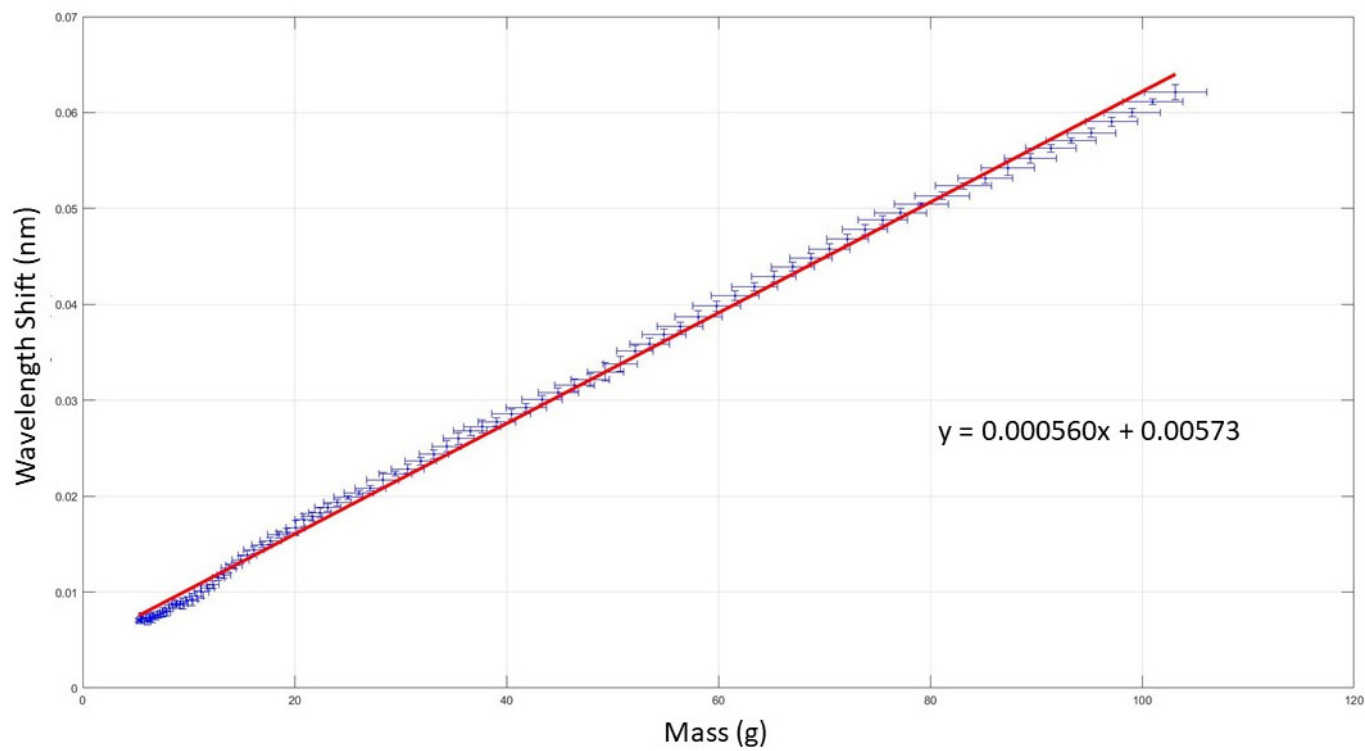


Figure S2 Calibration Data 3

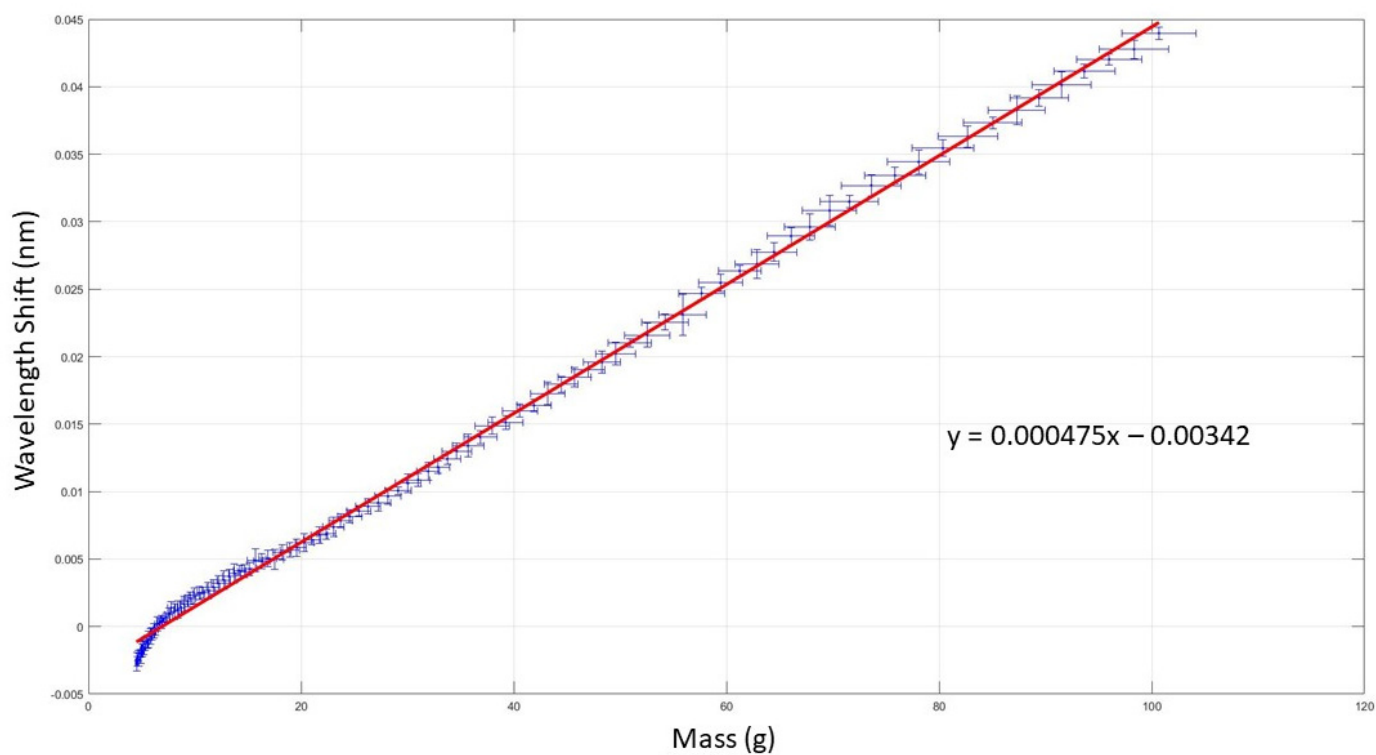


Figure S3 Calibration Data 4

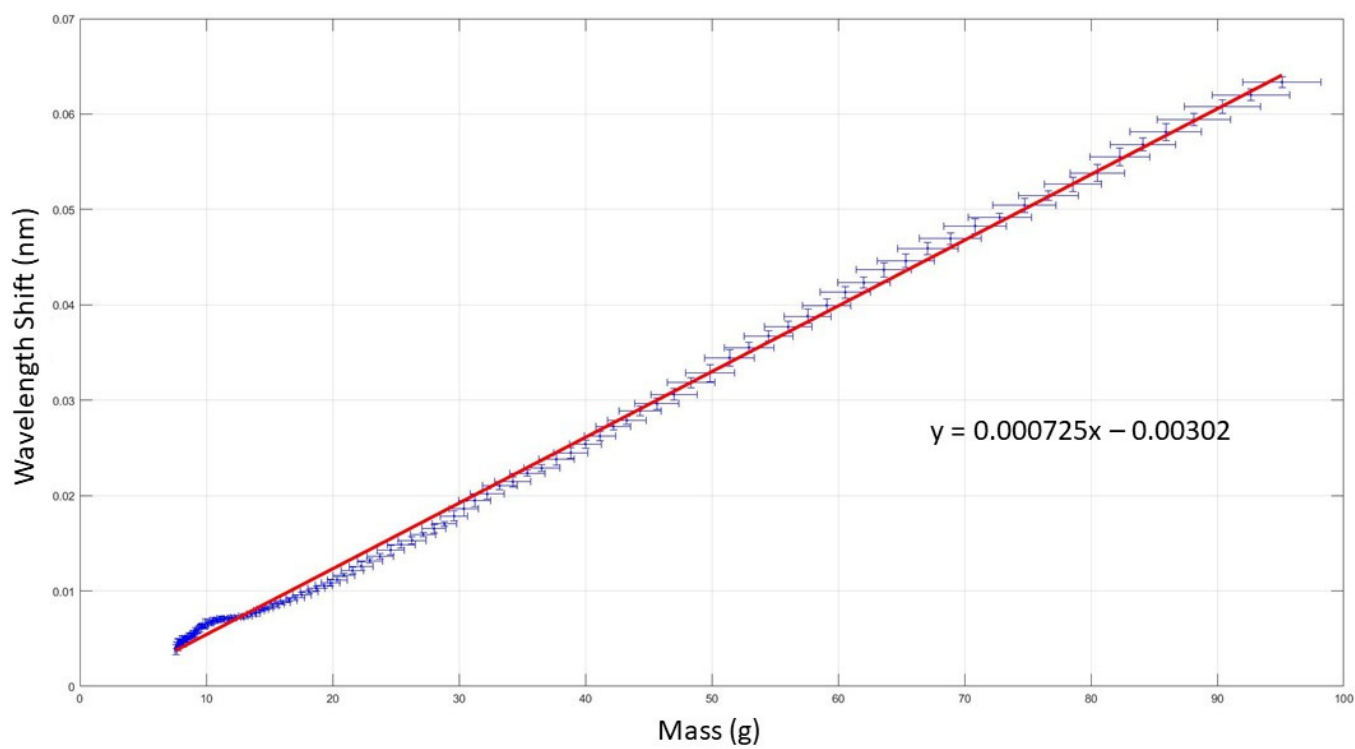


Figure S4 Calibration Data 5

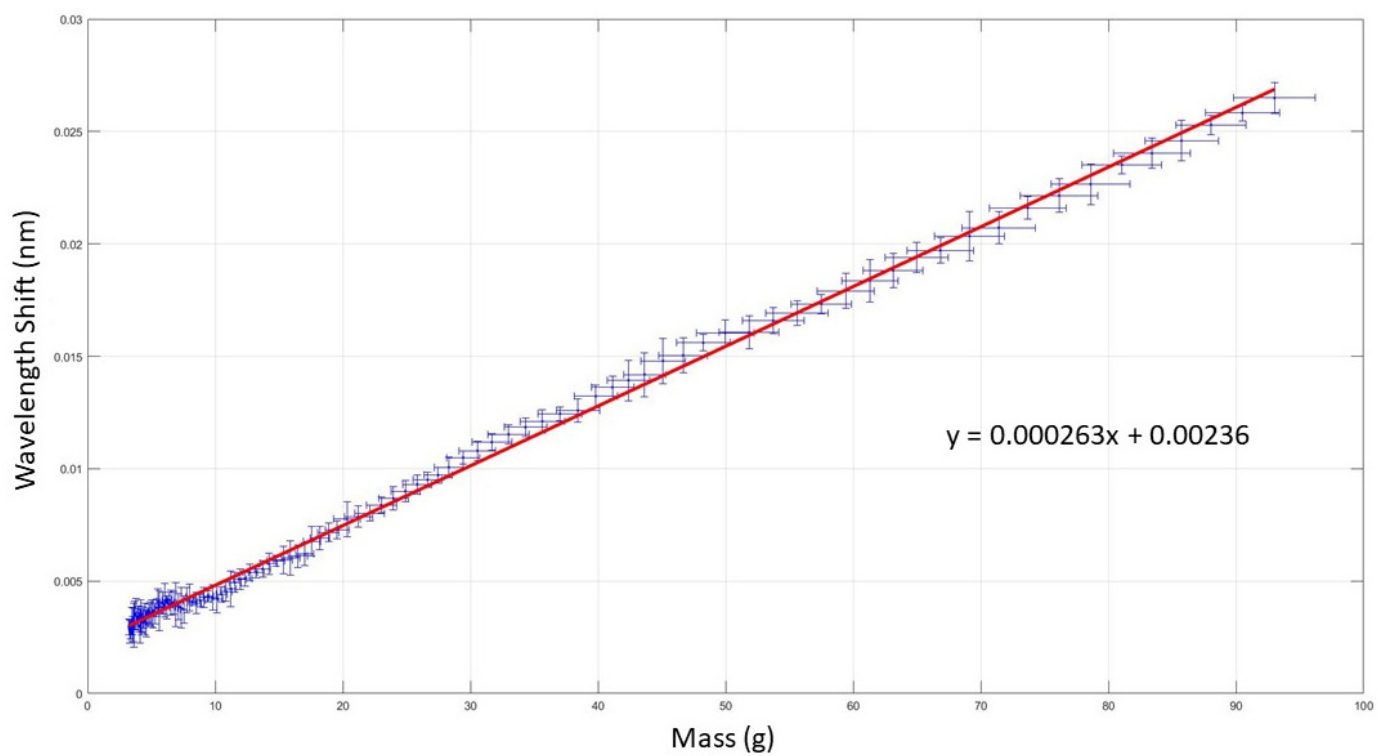


Figure S5 Calibration Data 6

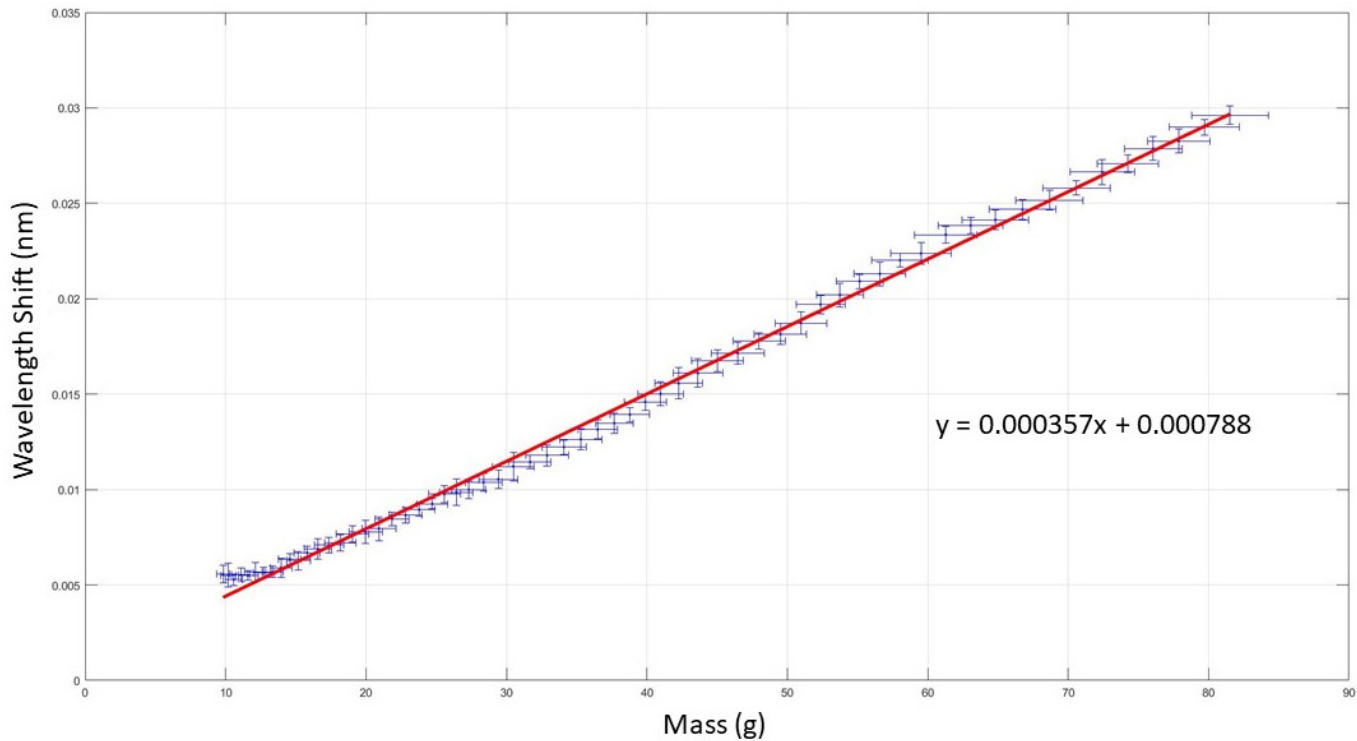


Figure S6 Calibration Data 7

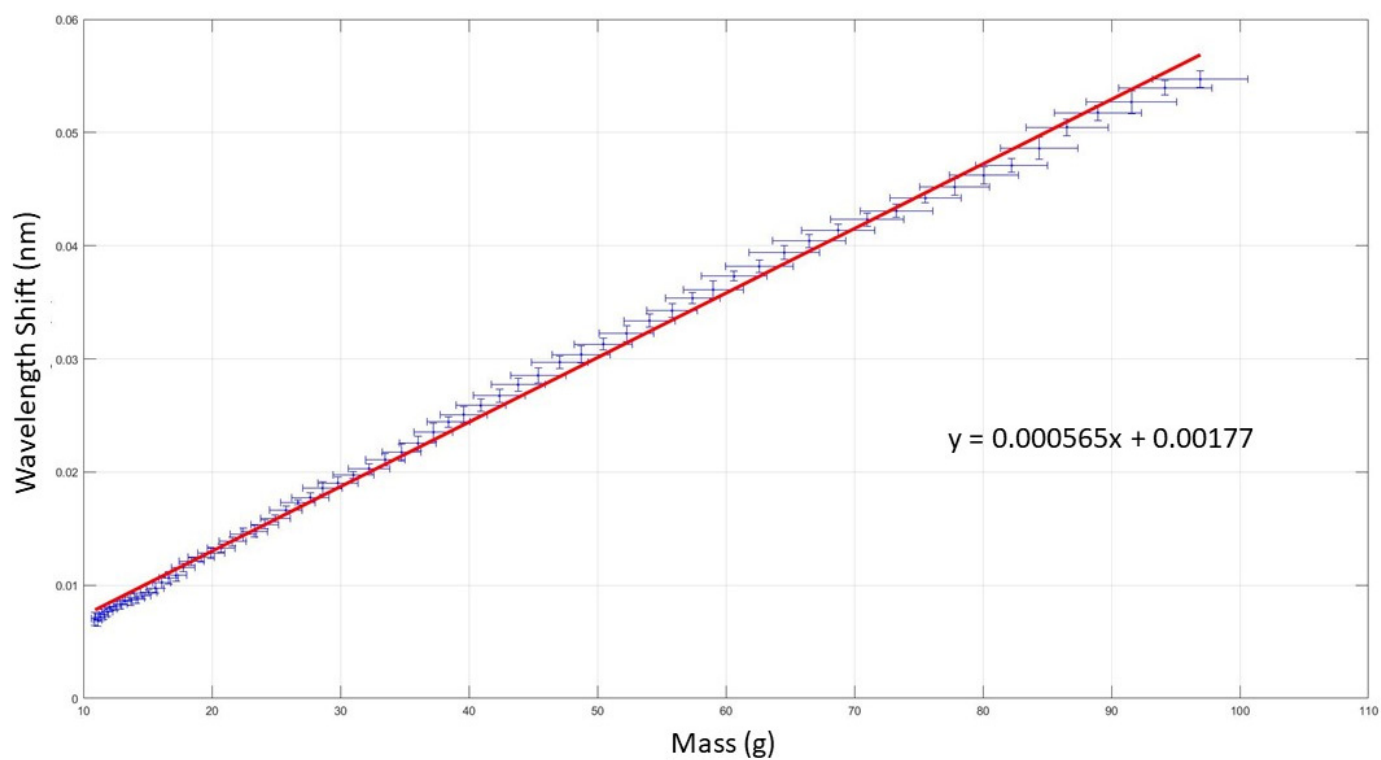


Figure S7 Calibration Data 8

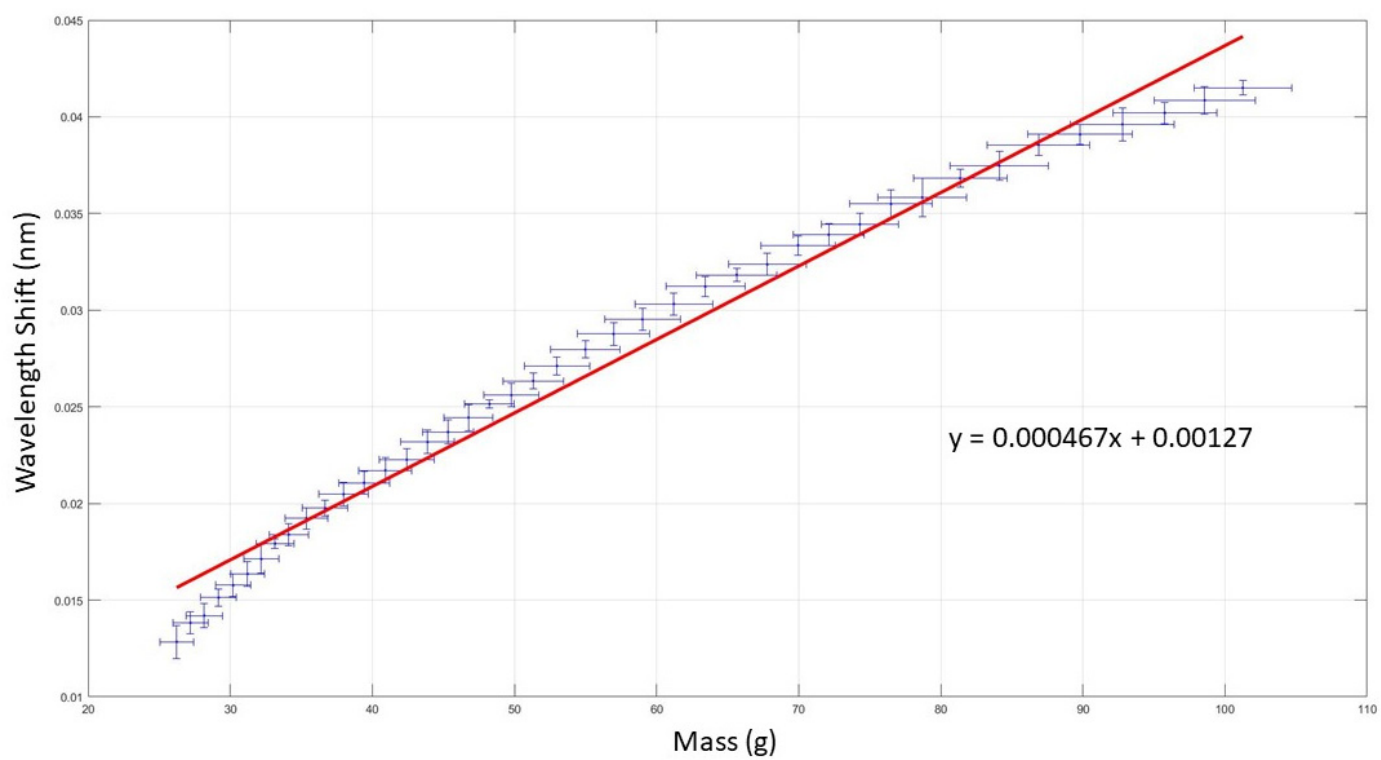


Figure S8 Calibration Data 9

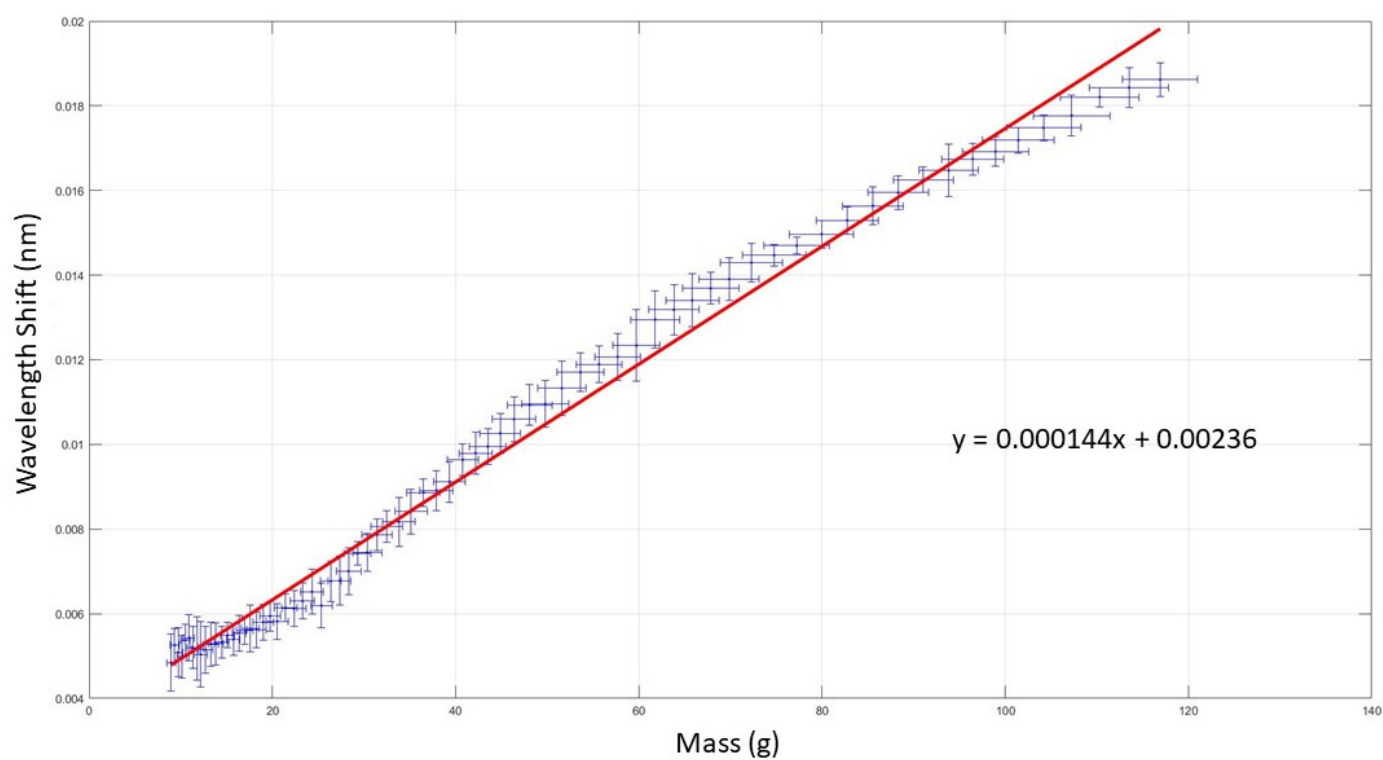


Figure S9 Calibration Data 10

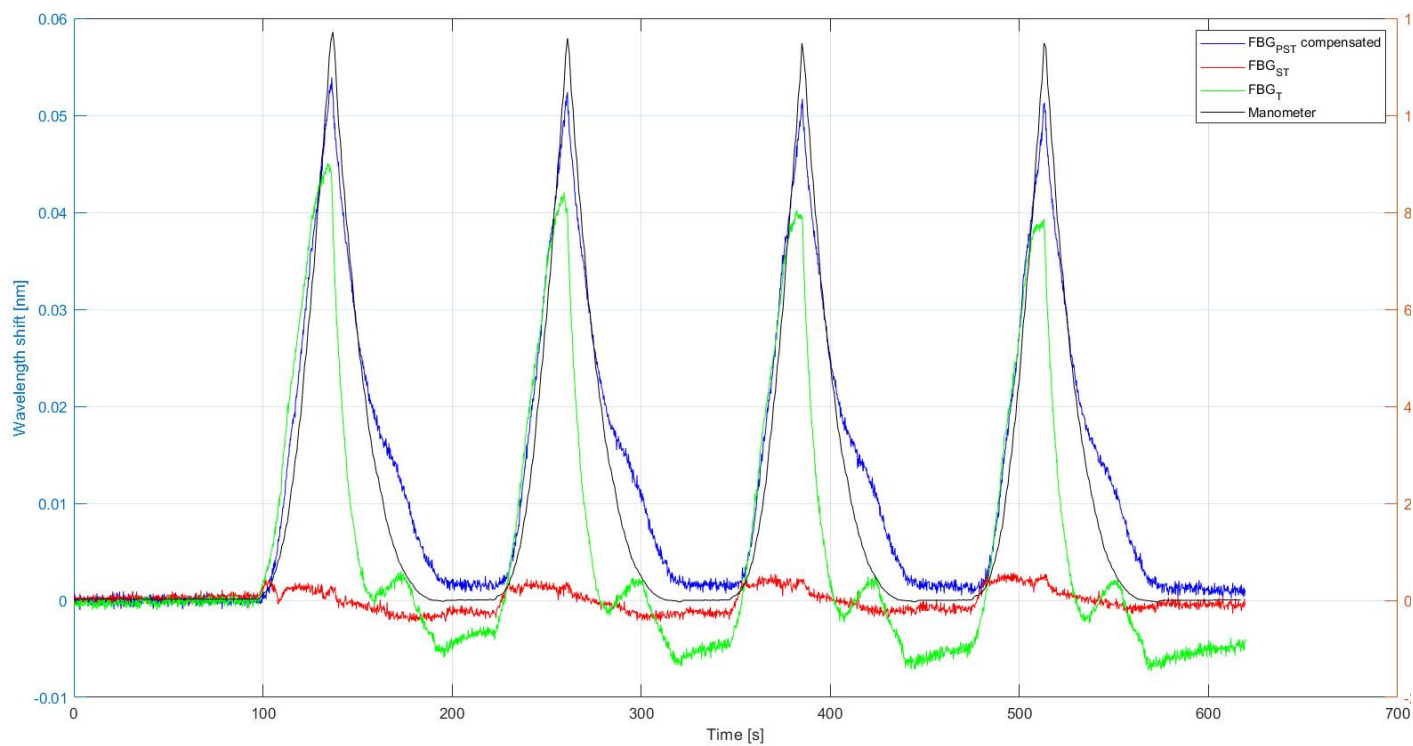


Figure S20 Pressure Cuff Data 2

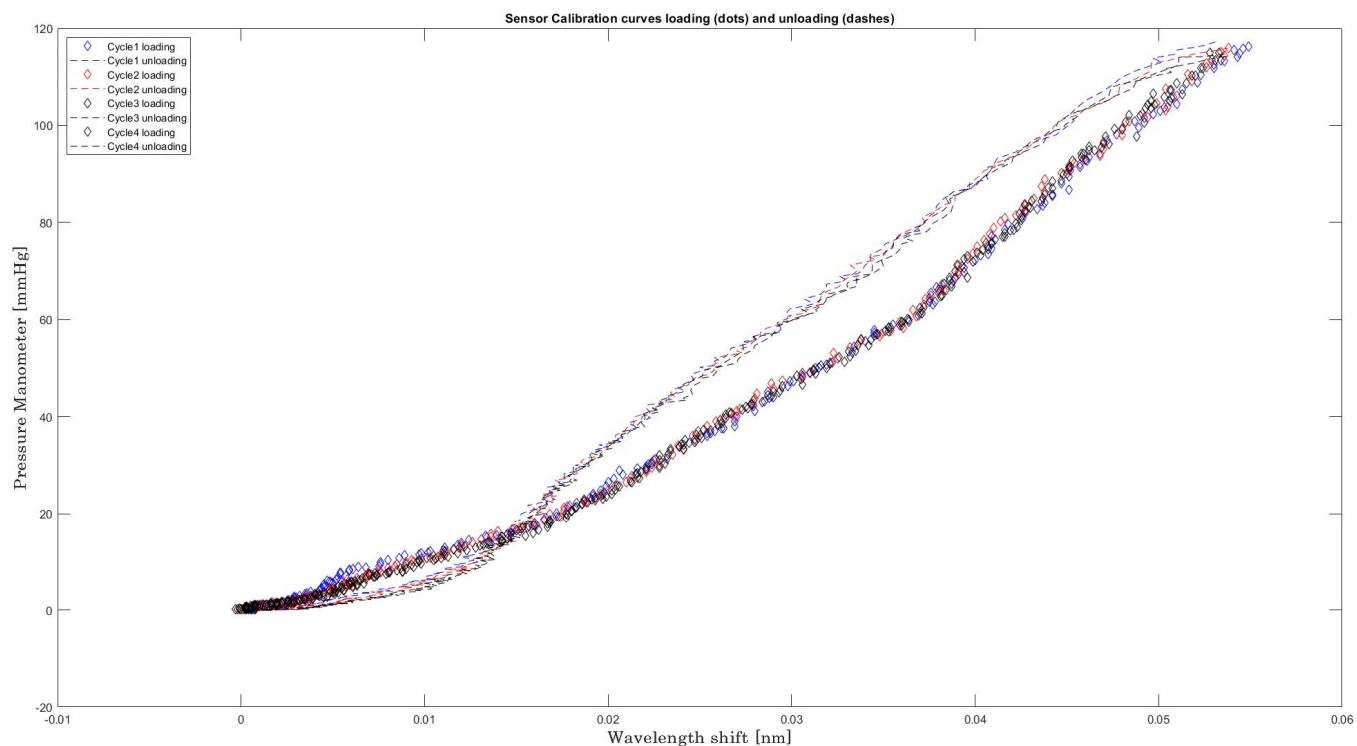


Figure S31 Pressure Cuff Load and Unload Data 2

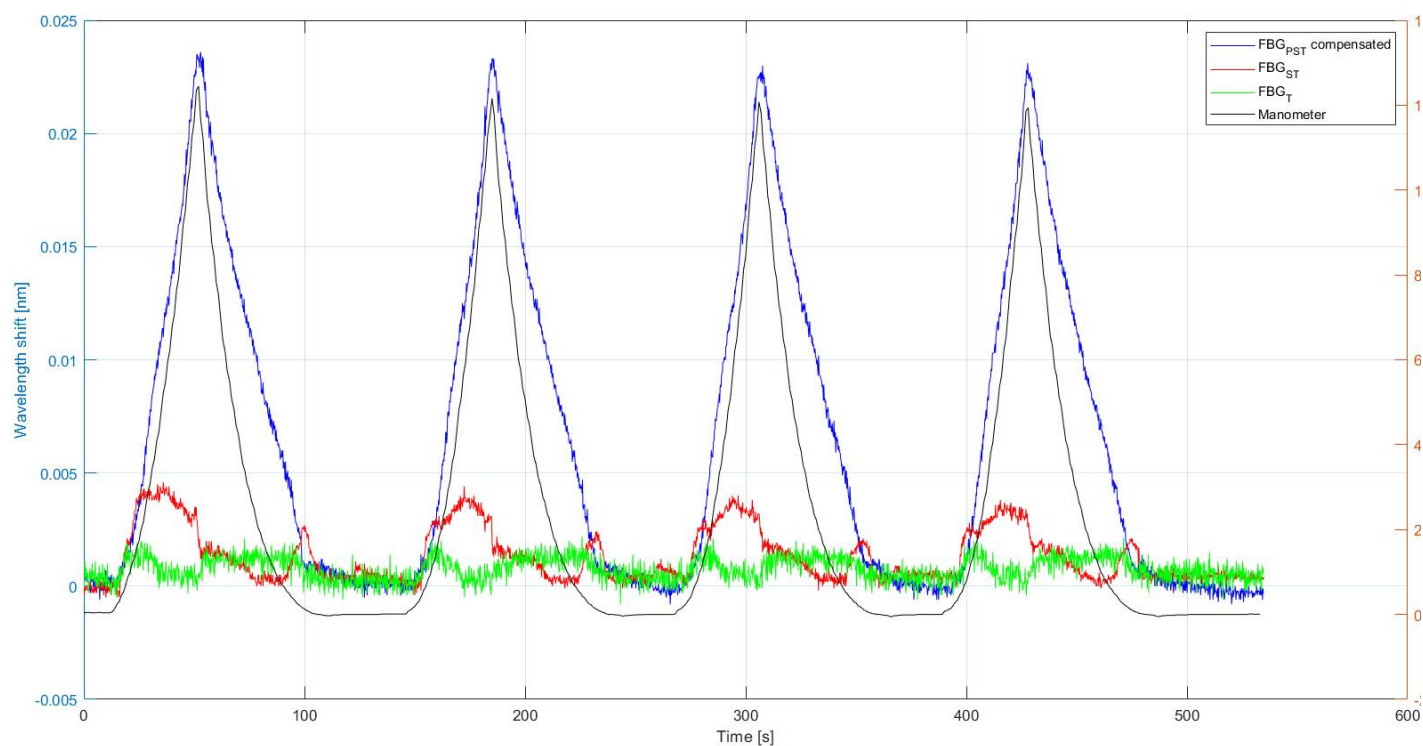


Figure S42 Pressure Cuff Data 3

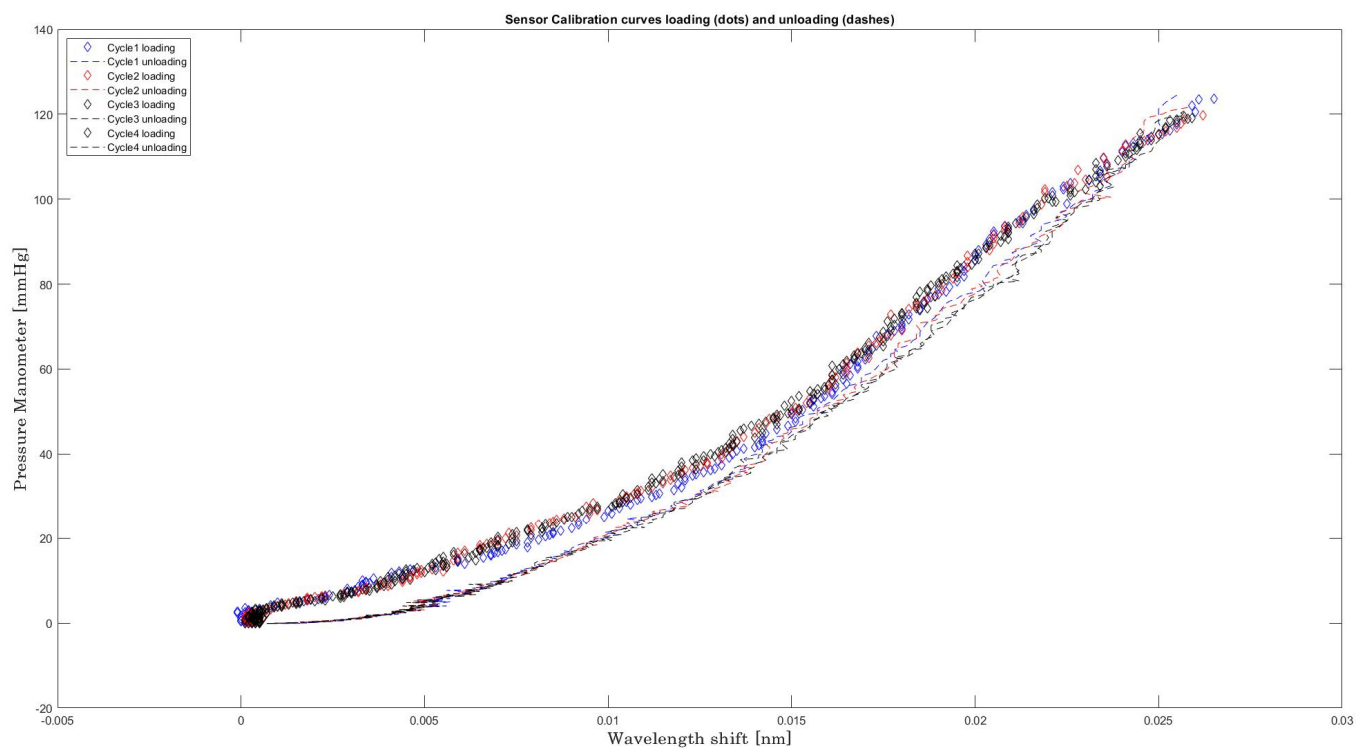


Figure S53 Pressure Cuff Load and Unload Data 3

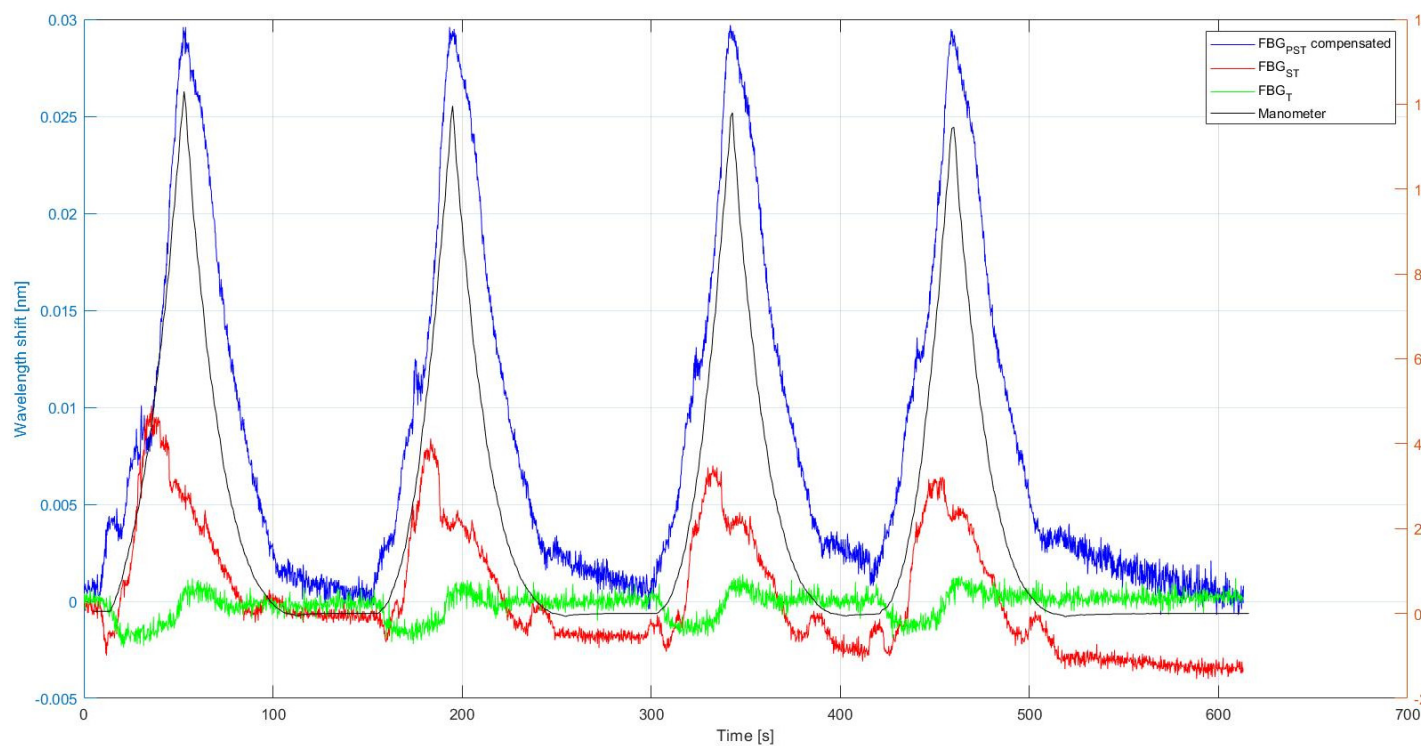


Figure S64 Pressure Cuff Data 4

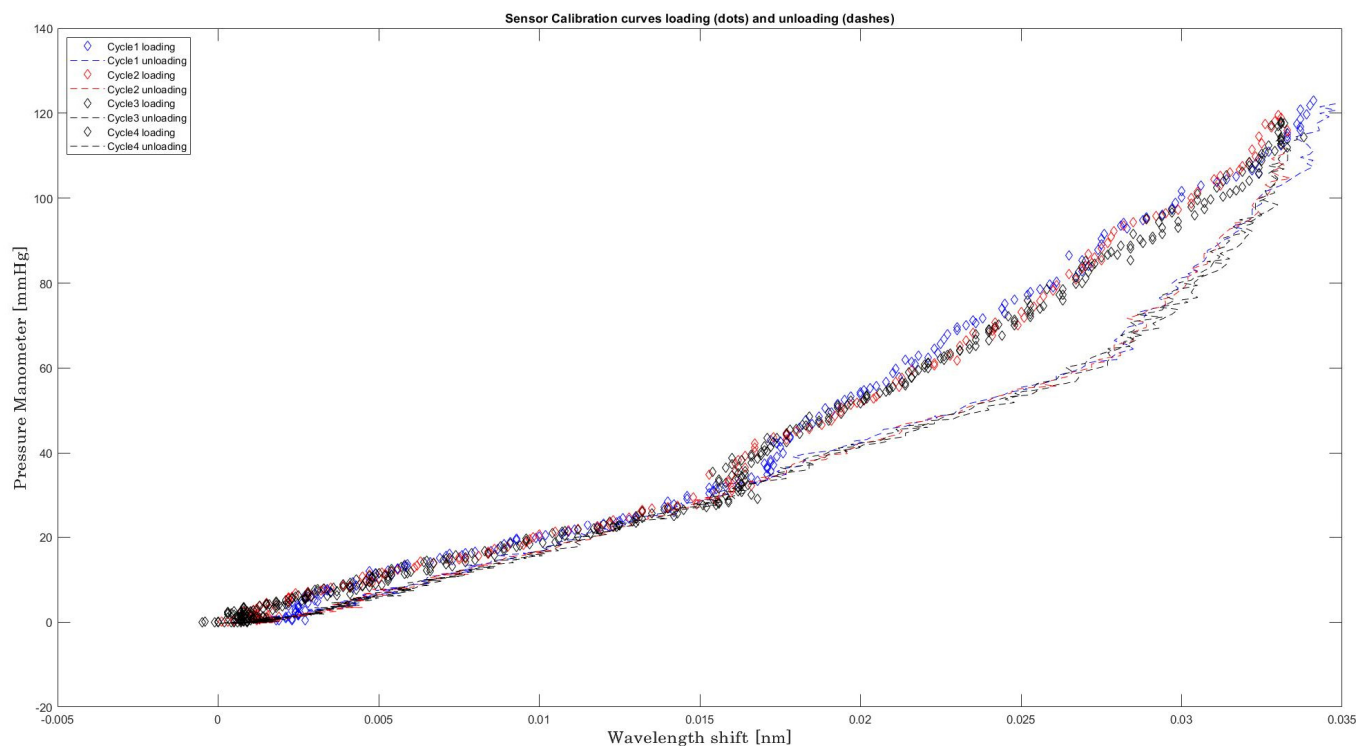


Figure S75 Pressure Cuff Load and Unload Data 4

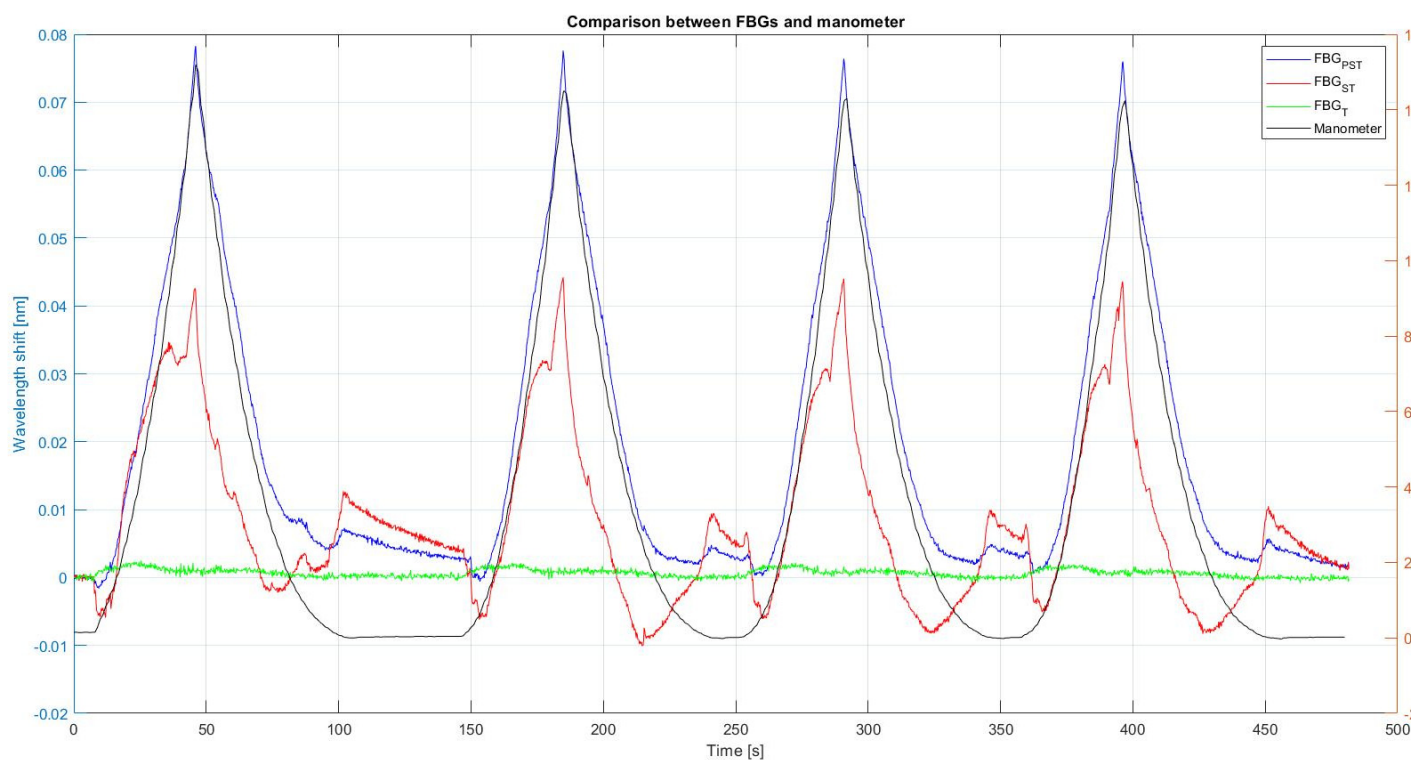


Figure S86 Pressure Cuff Data 5

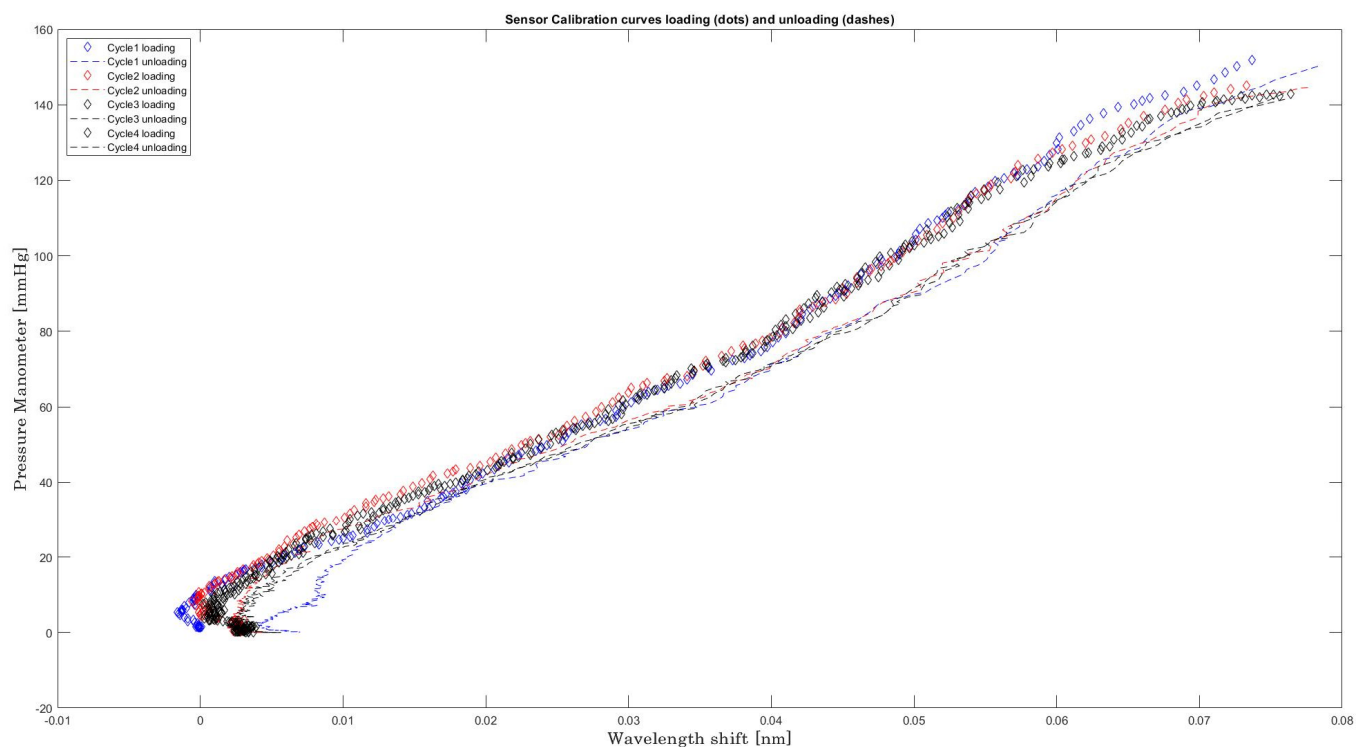


Figure S97 Pressure Cuff Load and Unload Data 5

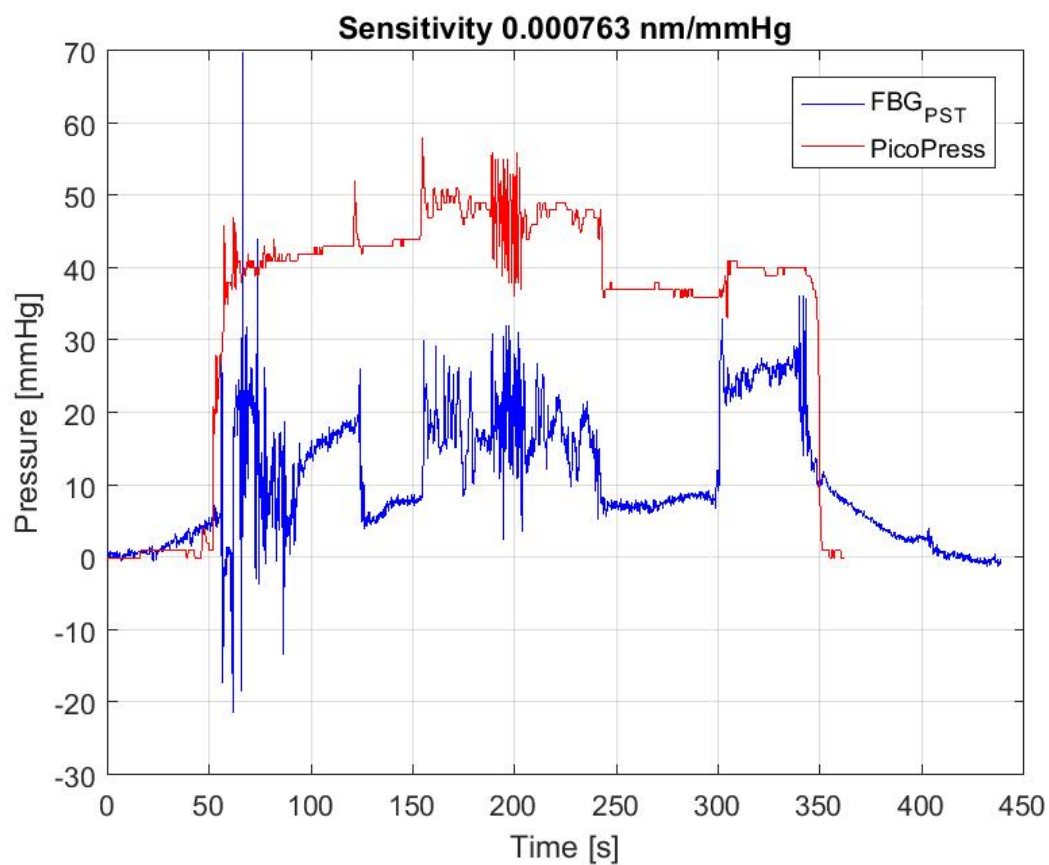


Figure S108 Wrapping Data 2

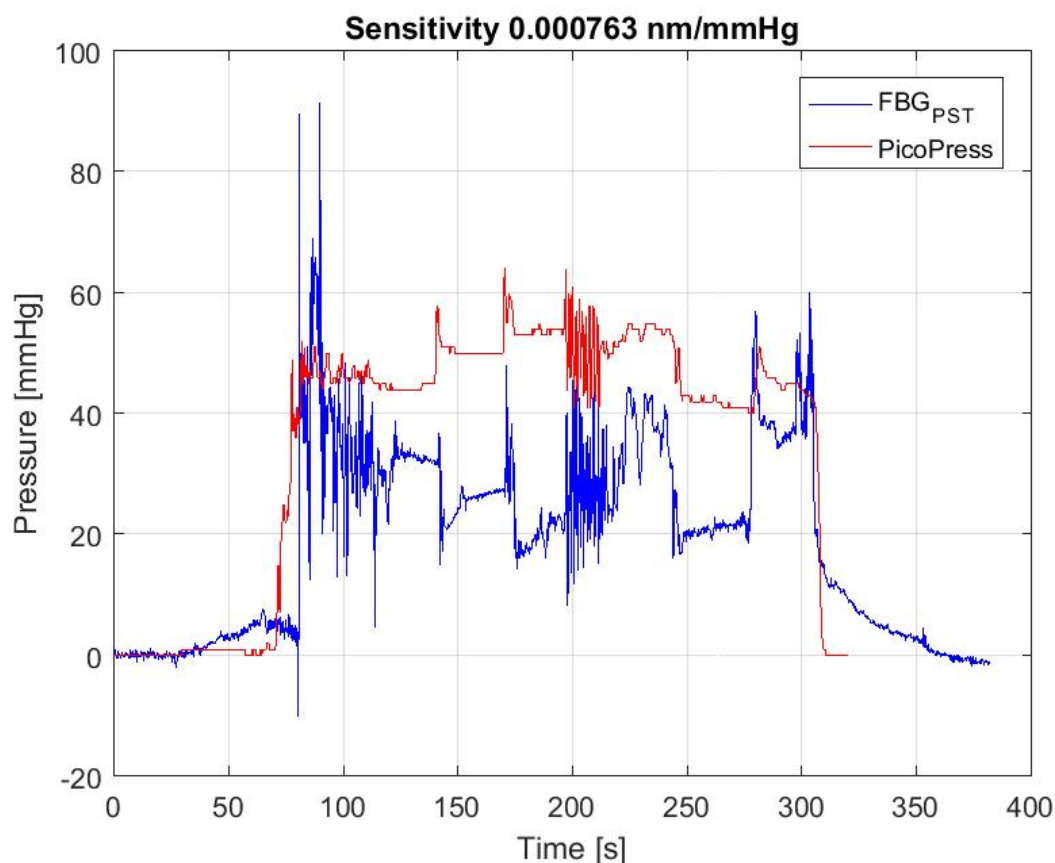


Figure S119 Wrapping Data 3

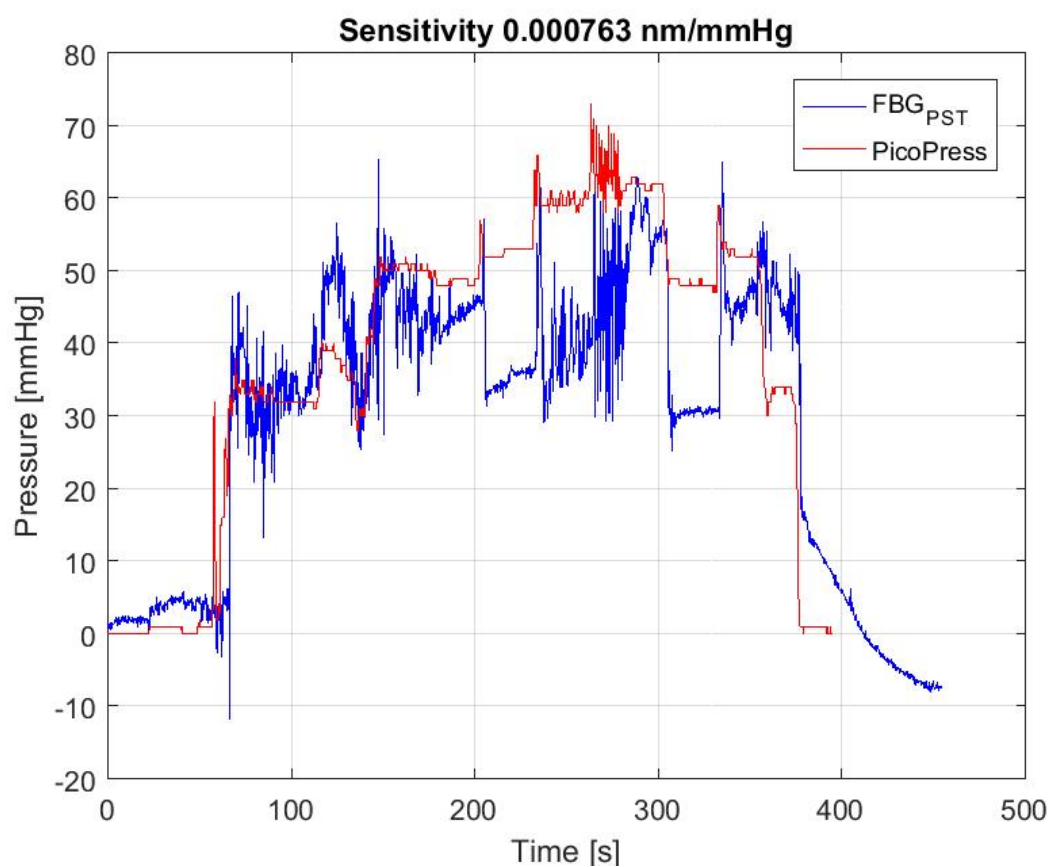


Figure S20 Wrapping Data 4

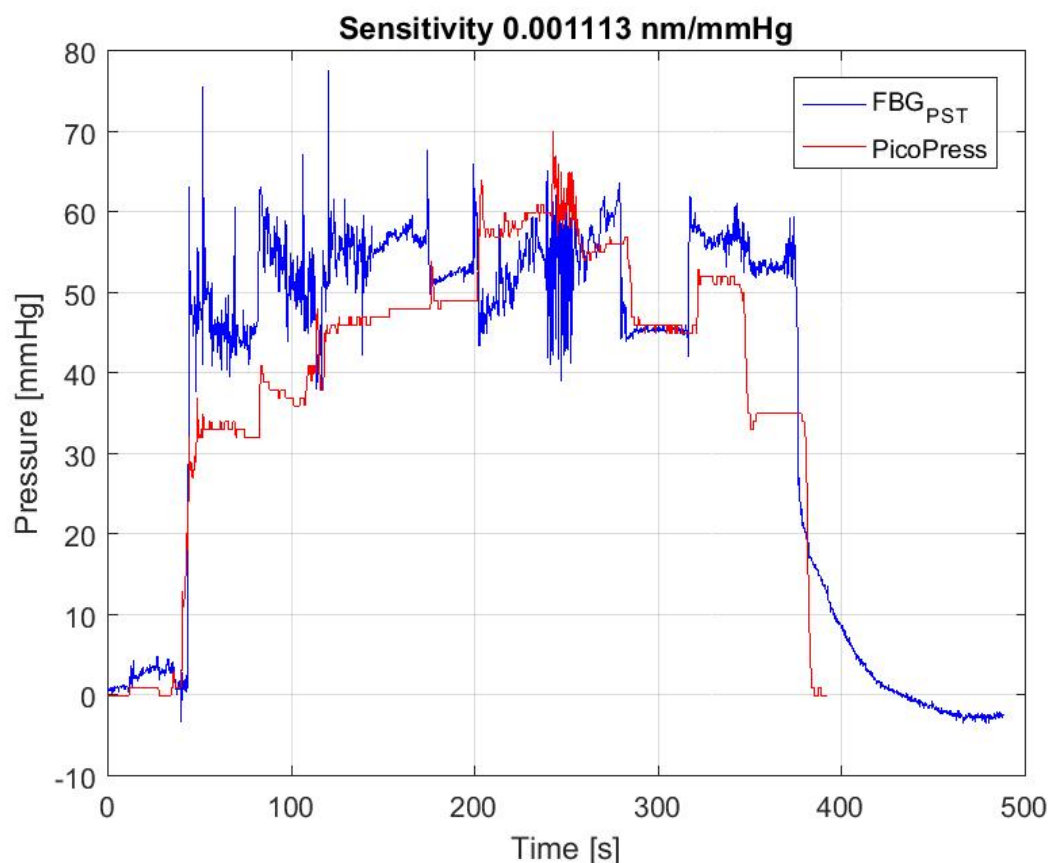


Figure S21 Wrapping Data 5

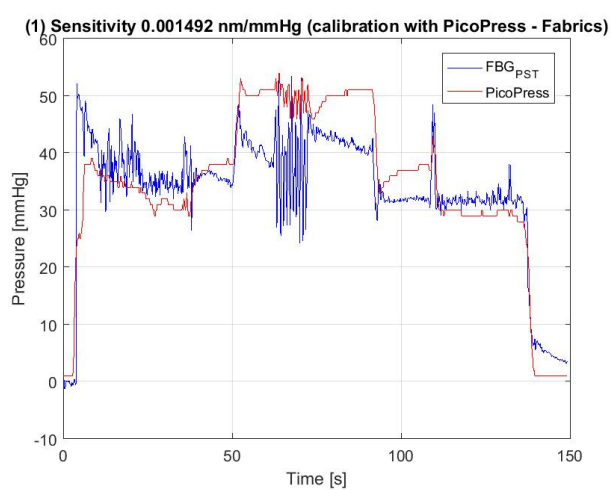
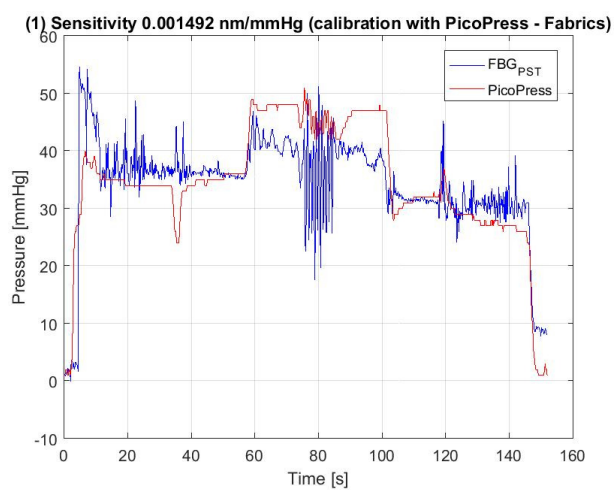


Figure S22 Wrapping Data repeated with the same sensor