



Wavelength Calibration Data Sheet

Built For: **University of California - San Diego**  
 Order Number: **34432**  
 Model: **USB2000**  
 Description: **USB Fiber Optic Spectrometer**  
 Grating: **1200 Lines Blazed at 750 nm**  
 Bandwidth: **700 - 960 nm**  
 Options Installed: **10um Slit**  
 Serial Number: **USB2E4013** **Master**

$\lambda$	Pixel #	Predicted $\lambda$	$\Delta\lambda$
706.722	64	706.726	-0.004
727.294	197	727.309	-0.015
738.398	270	738.397	0.001
750.387	350	750.379	0.008
763.510	439	763.499	0.011
772.421	500	772.363	0.058
794.817	658	794.835	-0.018
801.479	706	801.522	-0.043
811.531	779	811.567	-0.036
826.452	889	826.417	0.035
842.465	1011	842.481	-0.016
852.144	1086	852.145	-0.001
866.794	1202	866.772	0.022
912.297	1585	912.284	0.013
922.450	1676	922.465	-0.015

**Calibration Coefficients**

First Coefficient: 0.15835165  
 Second Coefficient: -1.37399E-05  
 Third Coefficient: -2.09407E-10  
 Intercept: 696.6481905  
 Regression Fit: 0.999999918

**Stray Light Measurements (AU)**

Holmium Oxide (444nm): N/A  
 Yellow Dye: N/A  
 Blue Dye: N/A  
 Molybdate: N/A  
 OG550 Filter: N/A  
 RG850 Filter: 3.81  
 FG3 Filter: N/A

07/29/02 Kathy Cheeseman