



Wavelength Calibration Data Sheet

Built For: **University of Cal. - San Diego**
 Order Number: **98700/98702**
 Model: **USB2000+**
 Description: **USB 2.0 Fiber Optic Spectrometer**
 Grating: **600 Lines Blazed at 750 nm**
 Bandwidth: **475 - 1100 nm**
 Options Installed: **L2 Lens, 10um Slit, GG475 Filter**
 Serial Number: **USB2+F00035 Master**

λ	Pixel #	Predicted λ	$\Delta\lambda$
546.074	217	546.130	-0.056
576.959	302	577.037	-0.078
579.065	308	579.205	-0.140
696.543	640	696.386	0.157
706.722	670	706.704	0.018
727.294	730	727.207	0.087
738.398	763	738.408	-0.010
750.387	798	750.228	0.159
763.510	837	763.327	0.183
772.421	864	772.351	0.070
801.479	952	801.512	-0.033
811.531	982	811.366	0.165
826.452	1028	826.387	0.065
842.465	1078	842.596	-0.131
852.144	1108	852.261	-0.117
866.794	1153	866.675	0.119
912.297	1298	912.436	-0.139
922.450	1331	922.705	-0.255
935.418	1373	935.696	-0.278
1095.120	1913	1094.908	0.212

Calibration Coefficients

First Coefficient: 0.376516643
 Second Coefficient: -2.48566E-05
 Third Coefficient: 0
 Intercept: 465.596114
 Regression Fit: 0.999999389

Stray Light Measurements (AU)

Holmium Oxide (444nm): N/A
 Yellow Dye: N/A
 Blue Dye: 3.29
 Molybdate: N/A
 OG550 Filter: 2.26
 RG850 Filter: 3.92
 FG3 Filter: 1.22