



Wavelength Calibration Data

Built For: **University of California San Diego**
 Order Number: **605354**
 Model: **QE65000**
 Description: Scientific-grade Spectrometer
 Grating: 300 Line Composite Blaze
 Bandwidth: 200 - 925 nm
 Options Installed: S7011 Detector, 200nm OFLV Filter, 25um Slit
 Serial Number: **QEB0363** **Master**

λ	Pixel #	Predicted λ	$\Delta\lambda$
253.652	68	253.779	-0.127
296.728	122	296.487	0.241
302.150	129	302.011	0.139
313.155	143	313.051	0.104
334.148	170	334.311	-0.163
365.015	209	364.944	0.071
404.656	260	404.863	-0.207
407.781	264	407.987	-0.206
435.835	300	436.057	-0.222
546.074	442	545.928	0.146
576.959	482	576.620	0.339
579.065	485	578.917	0.148
696.543	640	696.659	-0.116
706.722	653	706.447	0.275
727.294	681	727.481	-0.187
738.398	696	738.721	-0.323
750.387	712	750.691	-0.304
763.510	729	763.384	0.126
772.421	741	772.328	0.093
794.817	771	794.635	0.182
801.479	780	801.312	0.167
811.531	794	811.683	-0.152
826.452	814	826.468	-0.016
840.821	833	840.481	0.340
842.465	836	842.690	-0.225
852.144	849	852.255	-0.111
866.794	869	866.939	-0.145
912.297	931	912.220	0.077
922.450	945	922.394	0.056
965.778	1005	965.777	0.001

Calibration Coefficients

First Coefficient: 0.795904051
 Second Coefficient: -2.51785E-05
 Third Coefficient: -8.32629E-09
 Intercept: 199.776334
 Regression Fit: 0.999999631

Stray Light Measurements (AU)

Holmium Oxide (444nm): 1.16
 Yellow Dye: 1.99
 Blue Dye: 3.03
 Molybdate: 1.54
 OG550 Filter: 2.19
 RG850 Filter: 3.43
 FG3 Filter: 1.15