



Wavelength Calibration Data Sheet

Built For: **University of California - San Diego**
 Order Number: **15751**
 Model: **PC2000-ISA**
 Description: **PC Plug-In Fiber Optic Spectrometer**
 Grating: **300 Lines Blazed at 500 nm**
 Bandwidth: **200-1100 nm**
 Options Installed: **UV Detector, 10um Slit**
 Serial Number: **PC2E582**

λ	Pixel #	Predicted λ	$\Delta\lambda$
253.65	199	253.34	0.31
296.73	255	296.24	0.49
302.15	263	302.35	-0.20
313.16	277	313.02	0.13
334.15	305	334.33	-0.18
365.02	346	365.40	-0.39
404.66	398	404.62	0.04
435.84	440	436.13	-0.29
546.07	588	546.00	0.08
576.96	630	576.85	0.11
576.96	631	577.58	-0.62
696.54	795	696.63	-0.08
706.72	809	706.69	0.04
727.29	838	727.47	-0.18
738.40	853	738.20	0.20
750.39	871	751.04	-0.65
763.51	888	763.15	0.36
772.42	901	772.39	0.03
794.82	932	794.37	0.45
801.48	942	801.44	0.04
811.53	956	811.33	0.20
826.45	977	826.14	0.32
842.47	1000	842.31	0.16
852.14	1014	852.13	0.01
866.79	1035	866.83	-0.04
912.30	1100	912.11	0.19
922.45	1115	922.51	-0.06
965.78	1178	965.98	-0.20
1092.16	1364	1092.41	-0.25

Calibration Coefficients

First Coefficient: 0.784893786
 Second Coefficient: -4.13695E-05
 Intercept: 98.78322397
 Regression Fit: 0.999998562

Stray Light Measurements (AU)

Holmium Oxide (444nm): 1.11
 Yellow Dye: 2.04
 Blue Dye: 3.01
 Molybdate: 1.37
 OG550 Filter: 2.48
 RG850 Filter: 3.79
 FG3 Filter: 1.25

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