



Wavelength Calibration Data

Built For: **Gamble Technologies, Ltd.**
Order Number: **628036**
Model: **USB2000+**
Description: **USB 2.0 Fiber Optic Spectrometer**
Grating: **1200 Line Holographic VIS**
Bandwidth: **370 - 705 nm**
Options Installed: **ILX511b Detector, VIS Window, L2 Lens, 25um Slit, WG305**
Serial Number: **USB2+H05261** **Master**

λ	Pixel #	Predicted λ	$\Delta\lambda$
404.656	200	404.703	-0.047
407.781	216	407.770	0.011
435.835	364	435.782	0.053
576.959	1173	576.947	0.012
579.065	1186	579.044	0.021
585.249	1225	585.304	-0.055
588.189	1243	588.176	0.013
594.483	1283	594.520	-0.037
597.553	1302	597.514	0.039
602.999	1337	603.000	-0.001
607.434	1366	607.513	-0.079
609.616	1380	609.682	-0.066
614.306	1410	614.308	-0.002
621.728	1458	621.646	0.082
626.310	1489	626.344	-0.034
626.649	1491	626.645	0.004
630.479	1516	630.408	0.071
633.443	1536	633.404	0.039
638.299	1569	638.316	-0.017
640.225	1582	640.240	-0.015
650.653	1653	650.651	0.002
659.895	1717	659.886	0.009
667.828	1773	667.850	-0.022
671.704	1800	671.650	0.054
692.947	1955	692.974	-0.027
703.241	2032	703.250	-0.009

Calibration Coefficients

First Coefficient: 0.197792654
Second Coefficient: -1.44488E-05
Third Coefficient: -5.63994E-10
Intercept: 365.7268923
Regression Fit: 0.999999857

Stray Light Measurements (AU)

Holmium Oxide (444nm): 1.45
Yellow Dye: 2.49
Blue Dye: 3.24
Molybdate: N/A
OG550 Filter: 2.58
RG850 Filter: N/A
FG3 Filter: 1.16

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