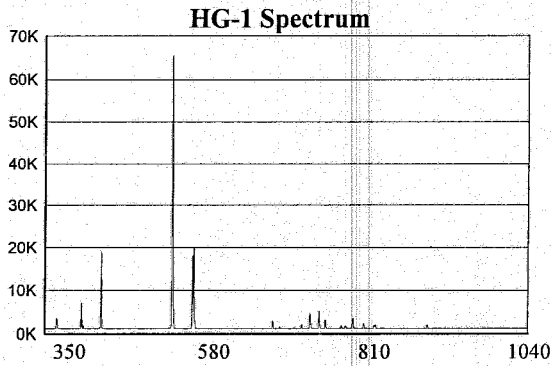




Wavelength Calibration Data Sheet



Built for:
 Order Number:
 Model: **USB4000-VIS-NIR**
 Grating: GRATING_#3 - 600 Lines Blazed at 500 nm
 Bandwidth: 350 - 1040 nm
 Options: DET4-350-1000. Detector, NoneLens, SLIT-25 Slit,
 Serial Number: **USB4H02818**

λ	Pixel #	Predicted λ	$\Delta\lambda$
365.015	90	365.137	-0.122
404.656	278	404.664	-0.008
435.835	427	435.834	0.001
576.959	1115	576.947	0.012
585.249	1157	585.303	-0.054
594.483	1203	594.523	-0.040
597.553	1218	597.544	0.009
602.999	1245	603.041	-0.042
607.434	1267	607.467	-0.033
609.616	1278	609.571	0.045
614.306	1302	614.301	0.005
616.359	1312	616.281	0.078
621.728	1339	621.695	0.033
626.649	1364	626.643	0.006
630.479	1383	630.501	-0.022
633.443	1398	633.447	-0.004
650.653	1486	650.689	-0.036
653.288	1499	653.252	0.036
659.895	1532	659.905	-0.010
667.828	1573	667.814	0.014
671.704	1593	671.681	0.023
692.947	1702	692.934	0.013
696.543	1720	696.523	0.020
703.241	1755	703.269	-0.028
717.394	1828	717.311	0.083
724.516	1866	724.474	0.042
738.398	1938	738.263	0.135
743.890	1967	743.894	-0.004
748.887	1994	748.911	-0.024
750.387	2002	750.393	-0.006
763.510	2071	763.470	0.040
772.421	2118	772.349	0.072
794.817	2238	794.858	-0.041
826.452	2409	826.366	0.086
837.760	2471	837.678	0.082
849.535	2536	849.505	0.030
852.144	2550	852.131	0.013
865.438	2624	865.425	0.013

This is a sample of calibration peaks used as there were more than can be shown on this page

Calibration Coefficients

First Coefficient: 0.2124820352
 Second Coefficient: -4.19653e-006
 Third Coefficient: -5.05205e-010
 Intercept: 345.95956421
 Regression Fit: 0.9999992847

Stray Light Measurements (AU)

Holmium Oxide (444nm): 1.48
 Yellow Dye: 2.10
 Blue Dye: 2.82
 Molybdate: N/A
 OG550 Filter: 2.43
 RG850 Filter: 3.33
 FG3 Filter: 1.31

Bernarda Cygan

Calibrated By: Mary.Lopez
 Calibrated: 04-February-2011