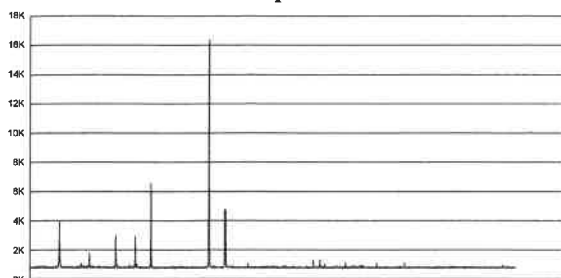**Test Spectrum**

Ocean Insight

Wavelength Calibration Data Sheet

Built for:
Order Number:
Model: **HR4000CG-UV-NIR**
Grating: GRATING_#HC1 - 300 Line Composite Blaze
Bandwidth: 199 - 1124 nm
Options: DET4-200-1100 Detector, NoneLens, SLIT-5 Slit,

Serial Number: **HR4D2902**

λ	Pixel #	Predicted λ	Δλ
296.728	381	296.643	0.085
313.155	443	313.119	0.036
326.106	492	326.117	-0.011
330.294	508	330.294	0.000
334.557	524	334.570	-0.013
365.015	639	365.110	-0.095
404.656	789	404.702	-0.046
435.834	908	435.879	-0.045
467.816	1030	467.836	-0.020
546.074	1331	546.049	0.025
576.959	1450	576.904	0.055
633.443	1670	633.459	-0.016
636.235	1681	636.254	-0.019
643.847	1711	643.837	0.010
692.947	1904	692.960	-0.013
696.543	1918	696.512	0.031
703.241	1944	703.260	-0.019
738.398	2083	738.384	0.014
743.890	2105	743.893	-0.003
753.577	2143	753.588	-0.011
763.511	2182	763.535	-0.024
769.454	2206	769.448	0.006
785.482	2270	785.478	0.004
794.818	2307	794.834	-0.016
805.950	2351	805.949	0.001
811.531	2374	811.519	0.012
819.006	2403	818.992	0.014
826.324	2433	826.311	0.013
826.452	2433	826.445	0.007
828.012	2439	827.999	0.013
829.811	2447	829.797	0.014
837.760	2478	837.743	0.017
852.144	2536	852.135	0.008
877.675	2639	877.655	0.020
892.869	2700	892.874	-0.005
912.297	2778	912.246	0.051
965.779	2996	965.781	-0.002
979.970	3054	979.971	-0.001

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

Calibration Coefficients

First Coefficient:	0.2695922554
Second Coefficient:	-4.07484e-006
Third Coefficient:	8.72288e-012
Intercept:	194.47061157
Regression Fit:	0.9999997020

Stray Light Measurements (AU)

Holmium Oxide (444nm):	1.68
Yellow Dye:	1.84
Blue Dye:	2.61
Molybdate:	2.91
OG550 Filter:	1.82
RG850 Filter:	2.60
FG3 Filter:	1.32

Cielo Gonzalez

Calibrated By: michael.mott
Calibrated: 29-December-2020

Linearity Test

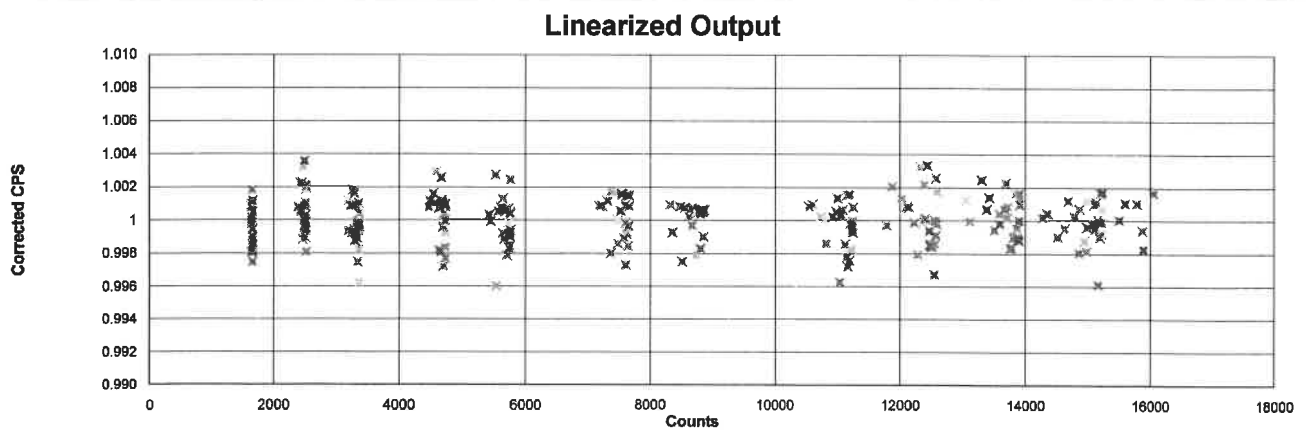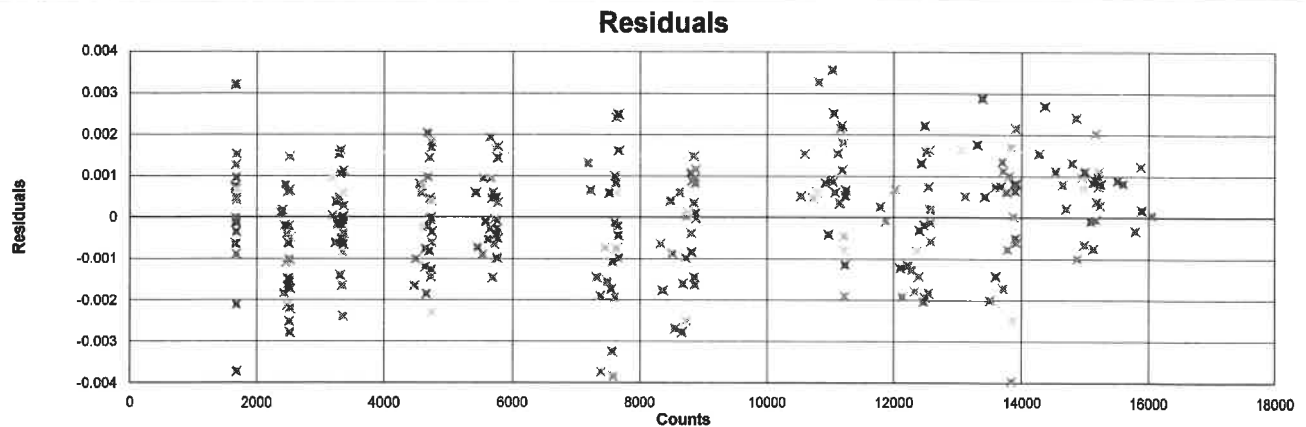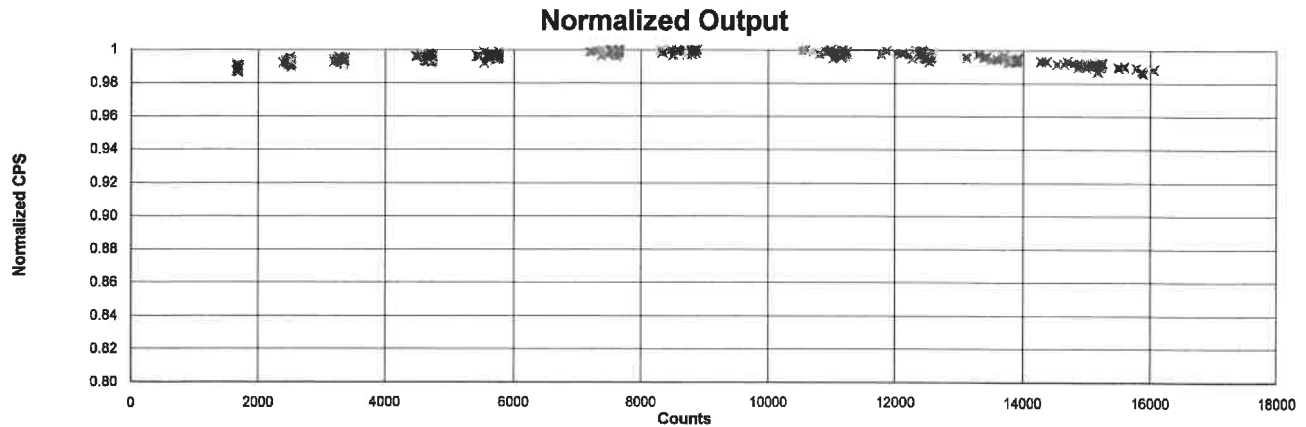Serial Number **HR4D2902**

Tech michael.mott

Linearity: **99.86579**

Tested 12/29/20

Test # 266,745.00

Intercept 0.980864
Coefficient 1 5.55316e-006
Coefficient 2 1.12322e-010
Coefficient 3 -4.35513e-013
Coefficient 4 1.04289e-016
Coefficient 5 -1.08448e-020
Coefficient 6 5.26927e-025
Coefficient 7 -9.8009e-030

Ocean Insight

Normalized Output

Residuals

Linearized Output

Max **1.00357700**   Min **0.99602960**

Important Information Regarding Your New OceanView Software

Here's how to download OceanView and start taking data:

Step 1: Navigate to **oceaninsight.com/ov-2-0-downloads**. Download the appropriate version for your computer.

Step 2: Install OceanView software.

Step 3: Enter your 28-digit product key. This can be found on the label below, as well as in your purchase confirmation email. **Save this for future reference.**

```
OCEANVIEW License Key, SO: 2988
B97Q-WKQN-ZUVB-CGKM-AFP5-MBYX-UATA
```

Step 4: Connec

Step 5: Start us

Problems? Please visit **oceaninsight.com/getstarted** or contact us.

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