

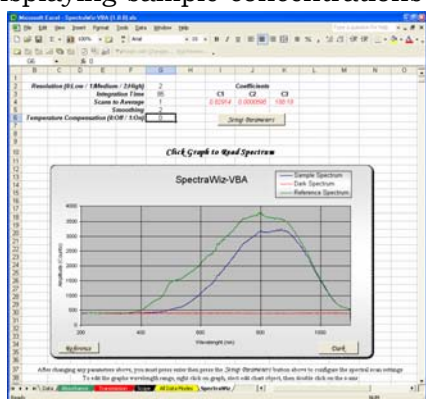
## Analytical Instrumentation

*Surf the New Wave in Portable Fiber Optic Spectrometry*

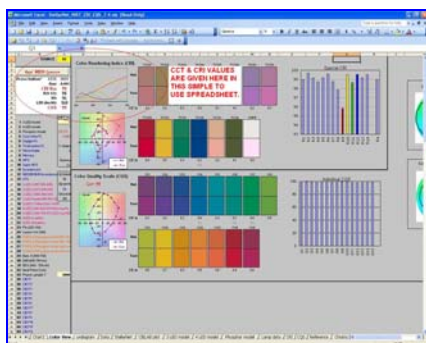
### SpectraWiz® Spectroscopy Software for Microsoft Excel:

**SpectraWiz® for Excel** Window is included with each StellarNet miniature fiber optic spectrometer system. This Excel Project enables not only spectral measurement but also full control (i.e. configuration) of your StellarNet spectrometer from the Microsoft Office environment.

With our VBA modules, you can rapidly customize your spectral analysis to meet your unique research requirements. For example, measuring and displaying sample concentrations using absorbance (according to Beer's law for specific path lengths) and creating user configurable methods can be done in a flash.



Excel's VBA script functionality enables the user to query an instrument directly from Microsoft Excel. Data from the device is imported directly onto an Excel page for post data processing using user defined algorithms. Shown above is the main page of the module: visible are the dark, reference, and spectral traces and the spectrometer's configuration settings.



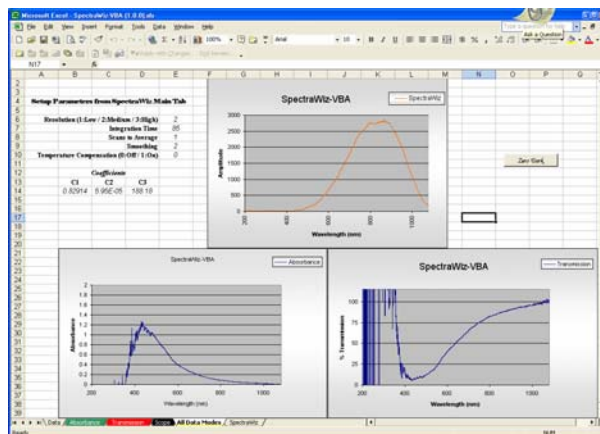
CRI & CQS calculations are performed in a comprehensive spreadsheet written by the folks at NIST. We'll send you our free modified version that reads StellarNet spectrometers..

### Software Features:

- ✓ Real-time Spectral Graphing and Integrated Instrument Control
- ✓ Automatically Calculates Spectral absorbance & % Transmittance
- ✓ Automatically Graphs both the Raw spectral Data & Processed Data
- ✓ Capable of Multi-Channel Data acquisition with multiple spectrometers
- ✓ Measure CRI & CQS (avail on request)

More important however, you can integrate this module's data acquisition capabilities into your existing analytical spreadsheet, thereby enabling you to acquire and analyze spectral data without ever leaving the Microsoft environment.

Create custom reports, calculate and graph absorbance or percent transmission, all at the push of a button. It's all here and more important, it's included with your StellarNet spectrometer.



Above is the processed data graphics page of the module. Scope, absorbance, and transmission data is displayed simultaneously. Notice the noise below 400 nm in the absorbance and transmission curves. From looking at the scope mode data, you can quickly determine that this is due to the fact that there is no reference signal in this portion of the spectrum (and is therefore invalid). Adding a deuterium lamp would allow that spectral region to be measured.

