

**Fluctuations in readings in a UV-vis instrument are almost certainly due to a failing lamp.**

A typical instrument which uses a xenon lamp is normally rated for only about 500 hours, while a deuterium can range from 1,000-3,000 hrs. However, they will sooner or later need to be replaced. If you are not sure of the hours on the lamp, I would start by replacing it to eliminate any fluctuations. If changing the lamp doesn't fix the problem, then you may need a service call.

Using the UV-Vis Calibration Kit will flag a problem such as this before erratic or poor data results from the bad lamp.

Click [HERE](#) for UV-Vis calibration kit ordering information and pictures.

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