Thoughts after reading your calibration papers: Excuse the shaky notes many of these were graded on a bumpy plane ride Many of you see how little can be done with limited data and begin to appreciate what can and cannot be achieved. It's better to do what we can with the data and the techniques than by using analytical methods (WHY?) or not do anything. Just be careful not to develop a false confidence in the results. Some will say that using mathematical methods for calibration "doesn't work" However the same issues prevail when you calibrate by trial and error but the modeler is generally not aware of them (e.g. parameter correlation, large uncertainty) Note the value of sensitivity analysis for data needs assessment How can sensitivity analysis help us decide what data to collect? Is sensitivity dependent on: a) the type of item you measure? b) the location of the measurement? c) the value of the measurement?





