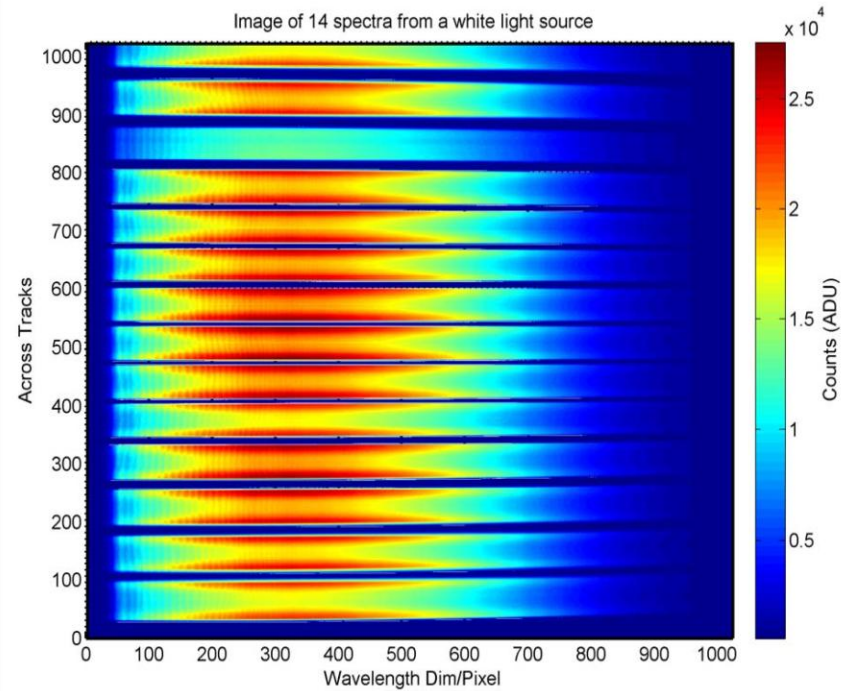
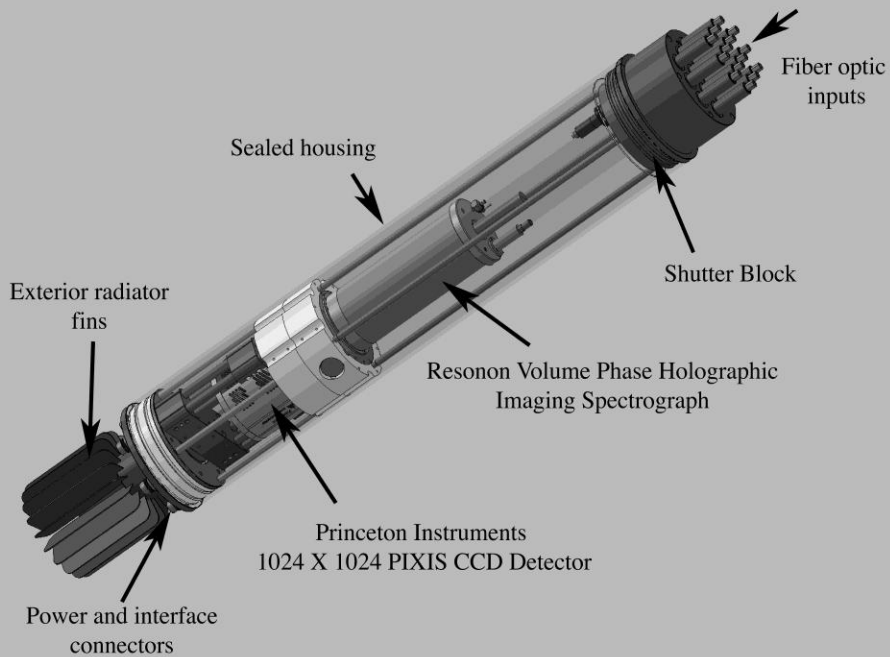
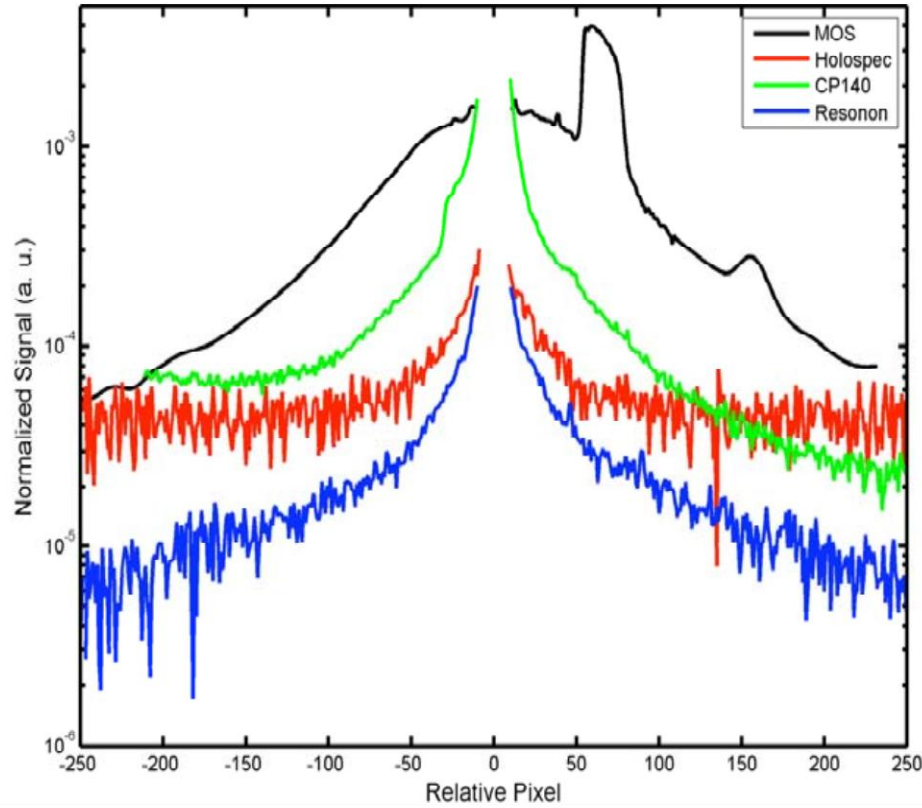


# MOBY Refresh

MOBY-C 14-input fiber optic spectroradiometer

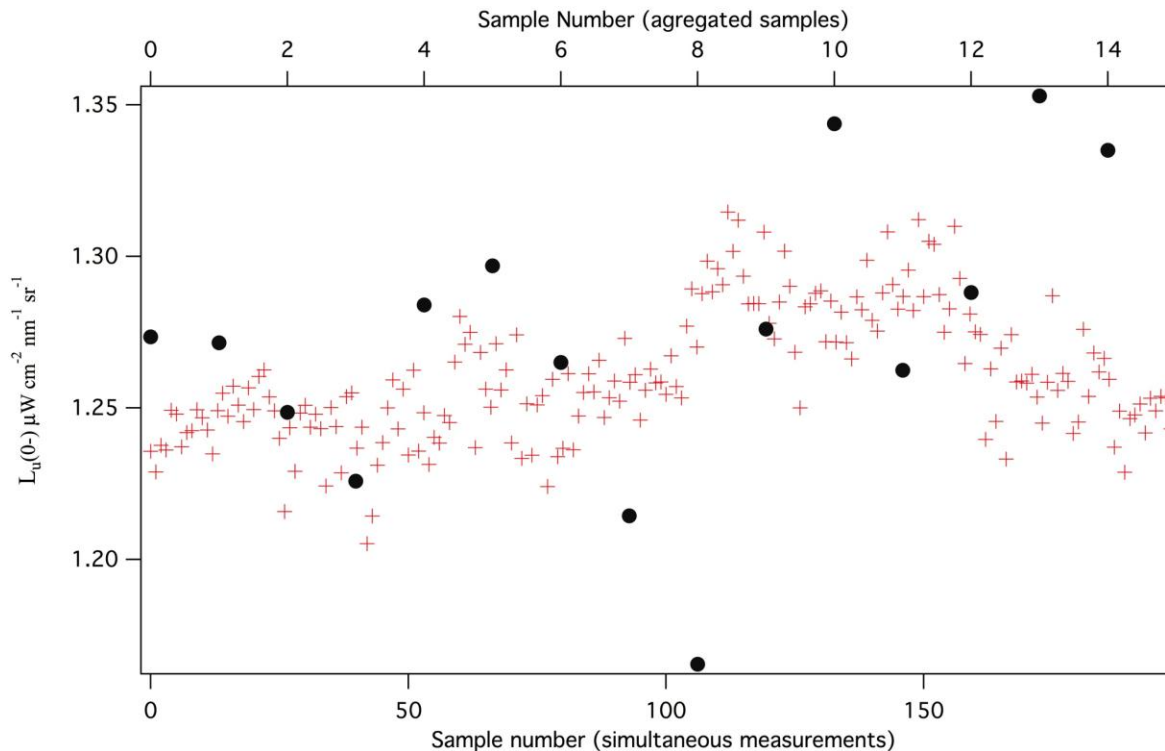




New system has much better stray light characteristics, so uncertainties due to straylight correction much reduced.

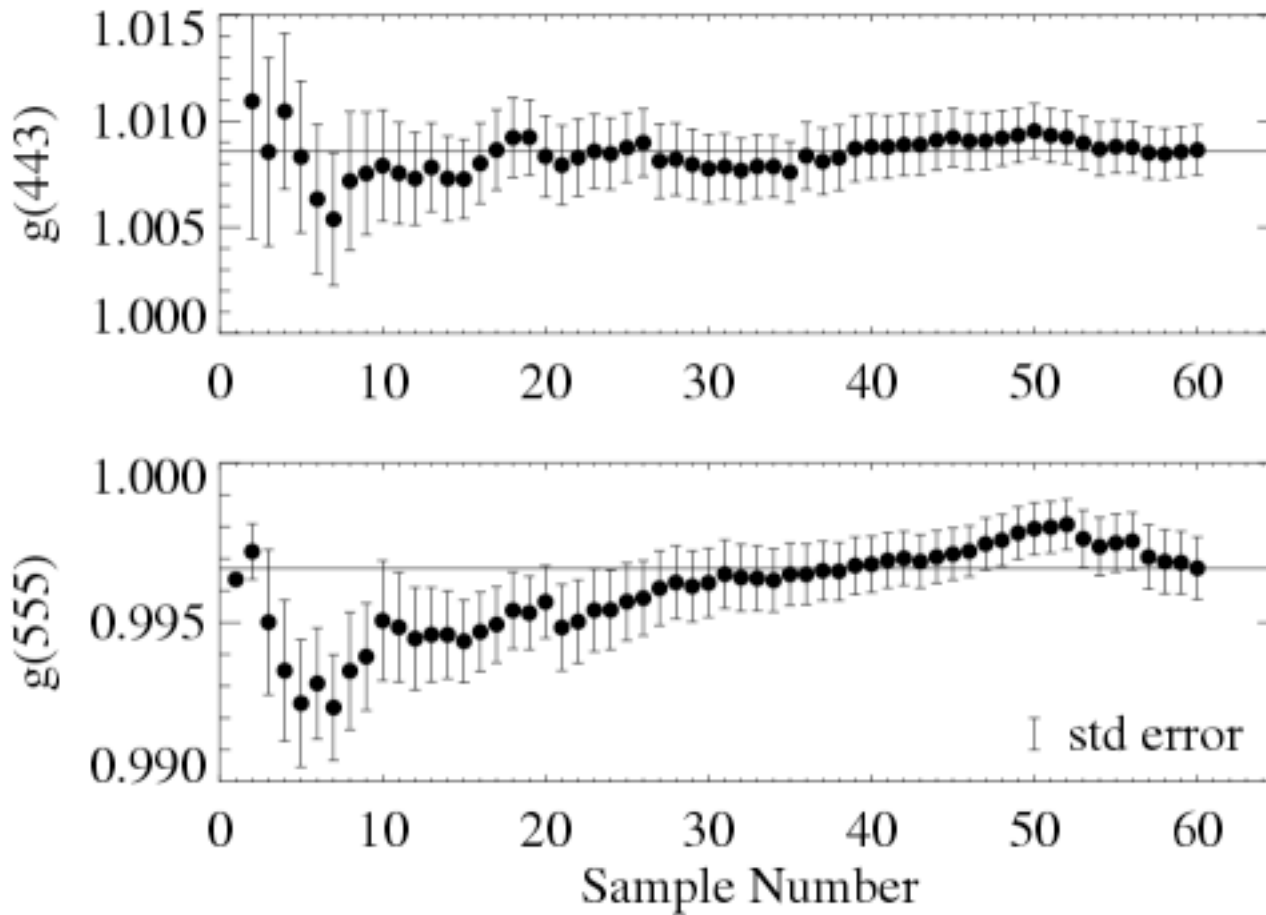
# Reduced Environmental Noise with new instrument

Comparison of simultaneous measurements and sequential with test data set. Sequential measurement has %std around 0.04, while simultaneous has 0.01. Because of correlations, simultaneous much better. Reduced noise here reduces noise in  $g$ , reducing number of matchups required to obtain  $g$  within desired accuracy.



Instrument used was a prototype of the new optical system with simultaneous measurements at different depths.

Because of measurement uncertainties and variabilities, one measurement is not sufficient.



Once again, this is with SeaWiFS which had very good stability characteristics and had frequent lunar looks to keep temporal stability in check.