

Still trying to figure out why the AAOT 2013 results are not consistent...

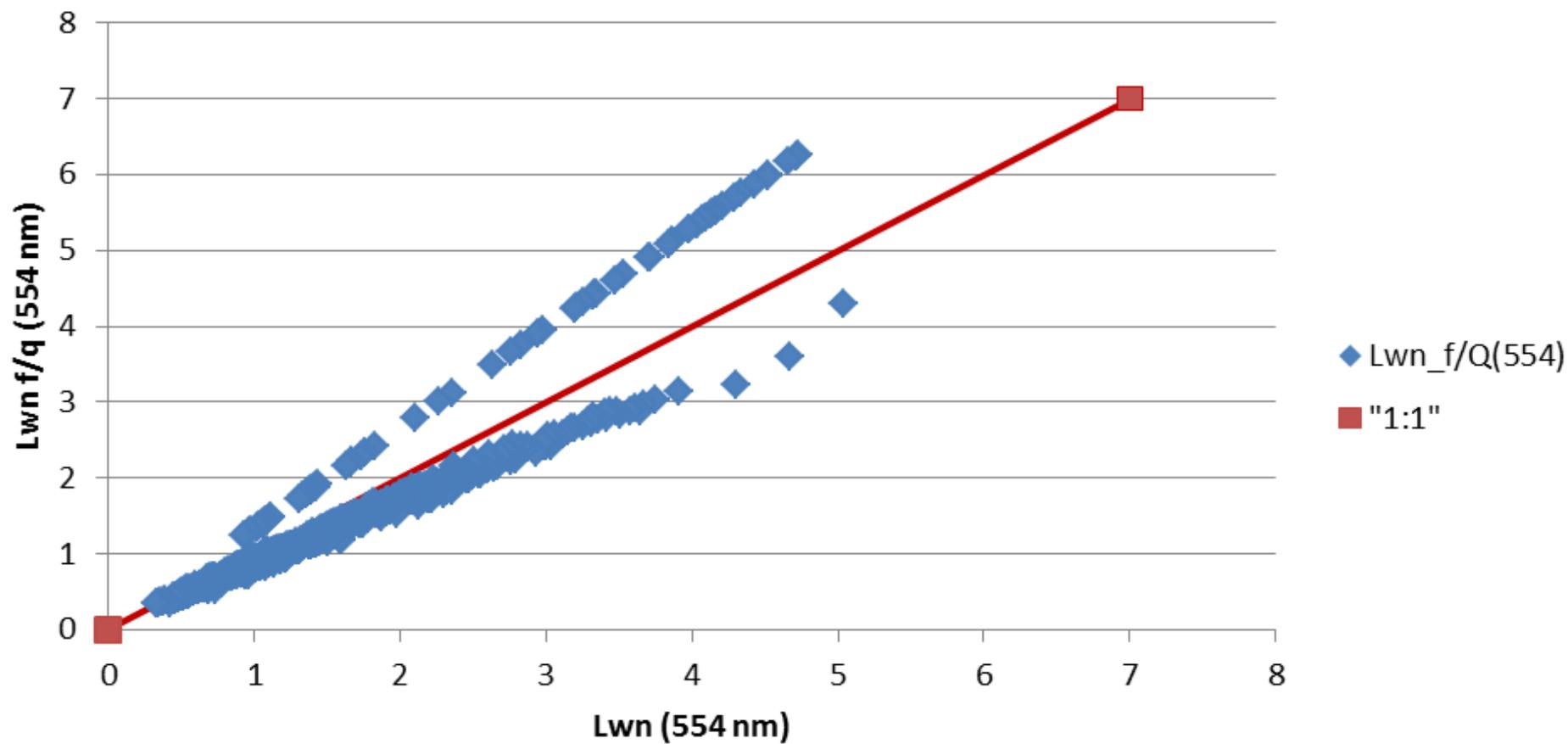
The complication last thurs, in the vical g00 & g01 file pulled from SAVANT is processing version 1 or 2 and the CLASS files were processed with the most recent version of APS utilizing the Lwnf/Q. *The results of using different APS versions are still mixed in SAVANT. We have a plan to correct.*

That still did not shed any light on the consistency so I decided to work backwards through the data value (*processing*) chain and got all the way back to the AAOT AOC data.

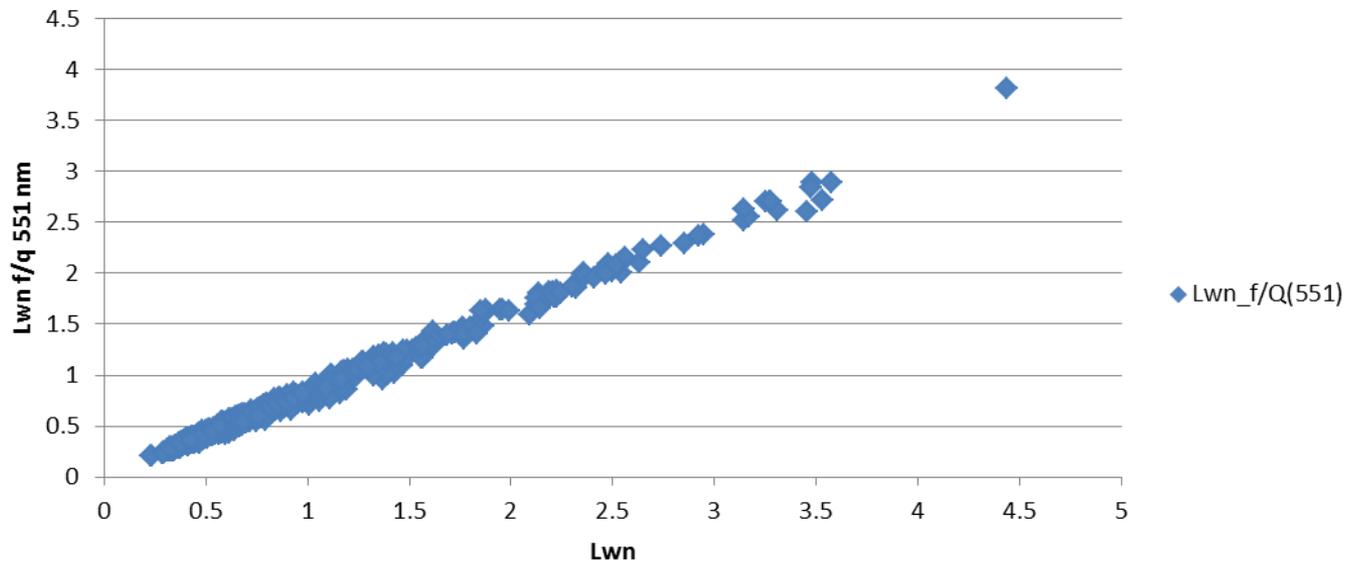
The following slides show Lwn vs Lwn fQ...

AAOT has some sort of bifurcation in the data, so depending on the records selected the matchup performance in terms of slope and r^2 can vary... and the best case is the bifurcation widens the uncertainty cloud around the regression.

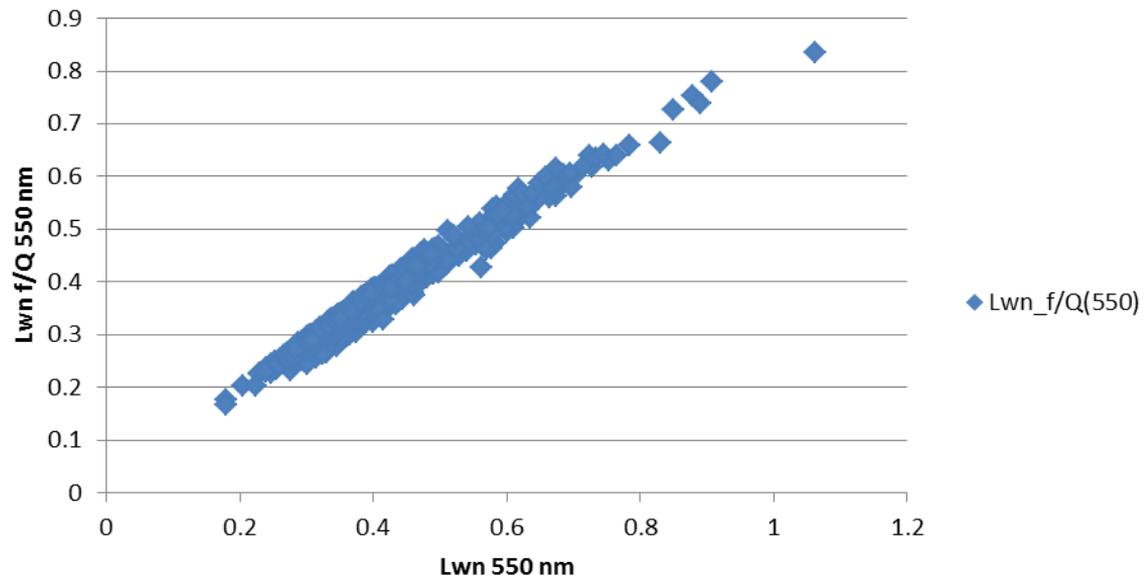
Lwn vs Lwn_f/Q for AAOT 2013 Level 1.5



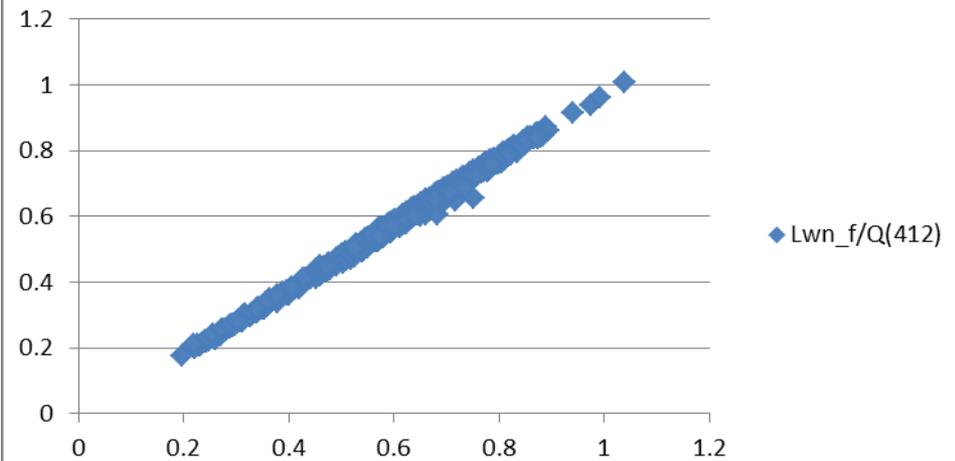
Lwn vs Lwn_f/Q for WCIS 2013 Level 1.5



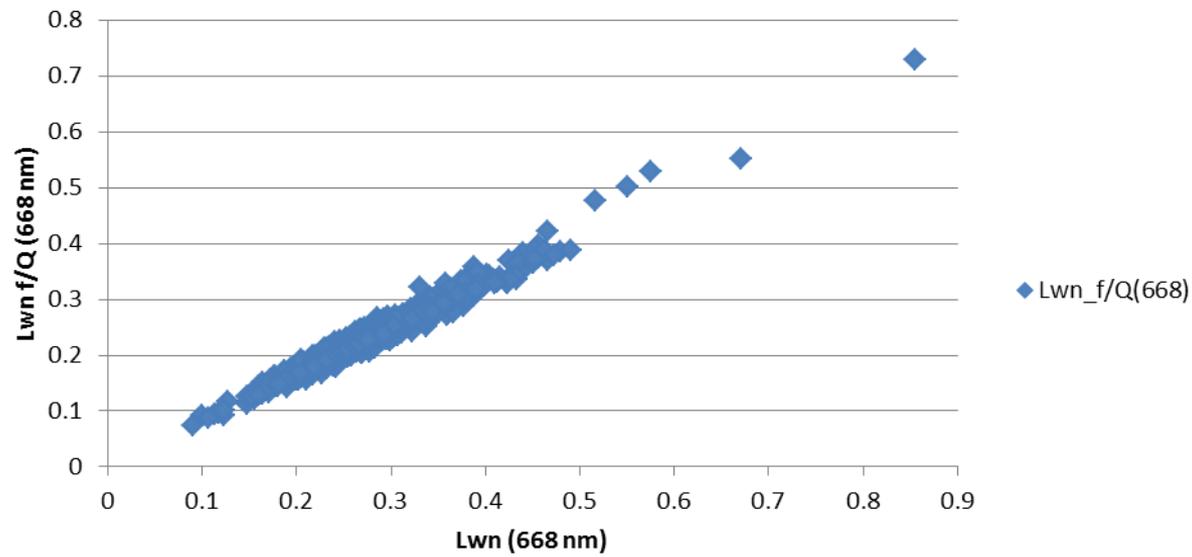
Lwn vs Lwnf/Q for USC 2013 Level 1.5



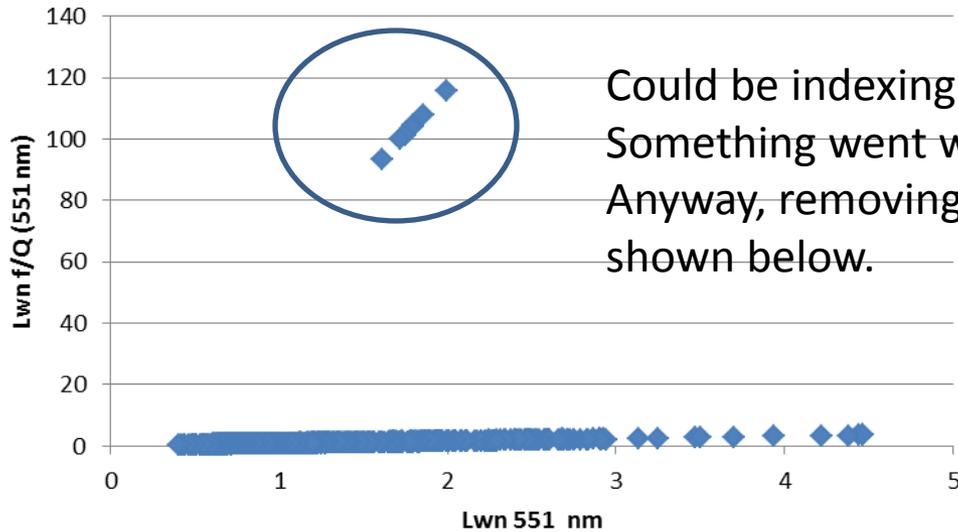
Lwn_f/Q(412)



Lwn vs Lwn_f/Q for LISCO 2013 Level 1.5



Lwn vs Lwn_f/Q for MVCO 2013 Level 1.5



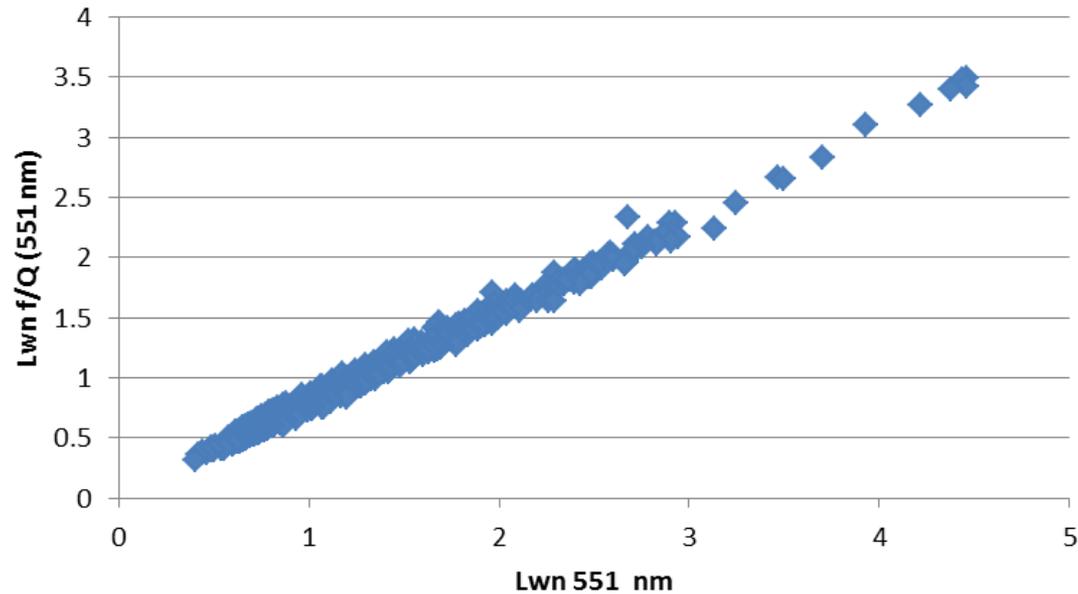
Could be indexing problem or ...

Something went wrong with the f//q algorithm?

Anyway, removing them gives you the clean relationship shown below.

◆ Lwn_f/Q(551)

Lwn vs Lwn_f/Q for MVCO 2013 Level 1.5



◆ Lwn_f/Q(551)

I think L 1.5 AAOT 2013 is not suitable for the VTR analysis and I'm looking for confirmation based on what you guys think about that bifurcation.

We may want to look at AAOT gains/ vical again when L2 AOC data becomes available.

If we (or someone) determines the cause of the anomaly and it is corrected, we might want to reconsider looking at AAOT matchups and vicals for 2013.

Otherwise the nLw sat product from VIIRS is not affected. I'll look at matchups with MODIS for the VTR if its necessary but I think we have the MODIS:VIIRS comps somewhere else.