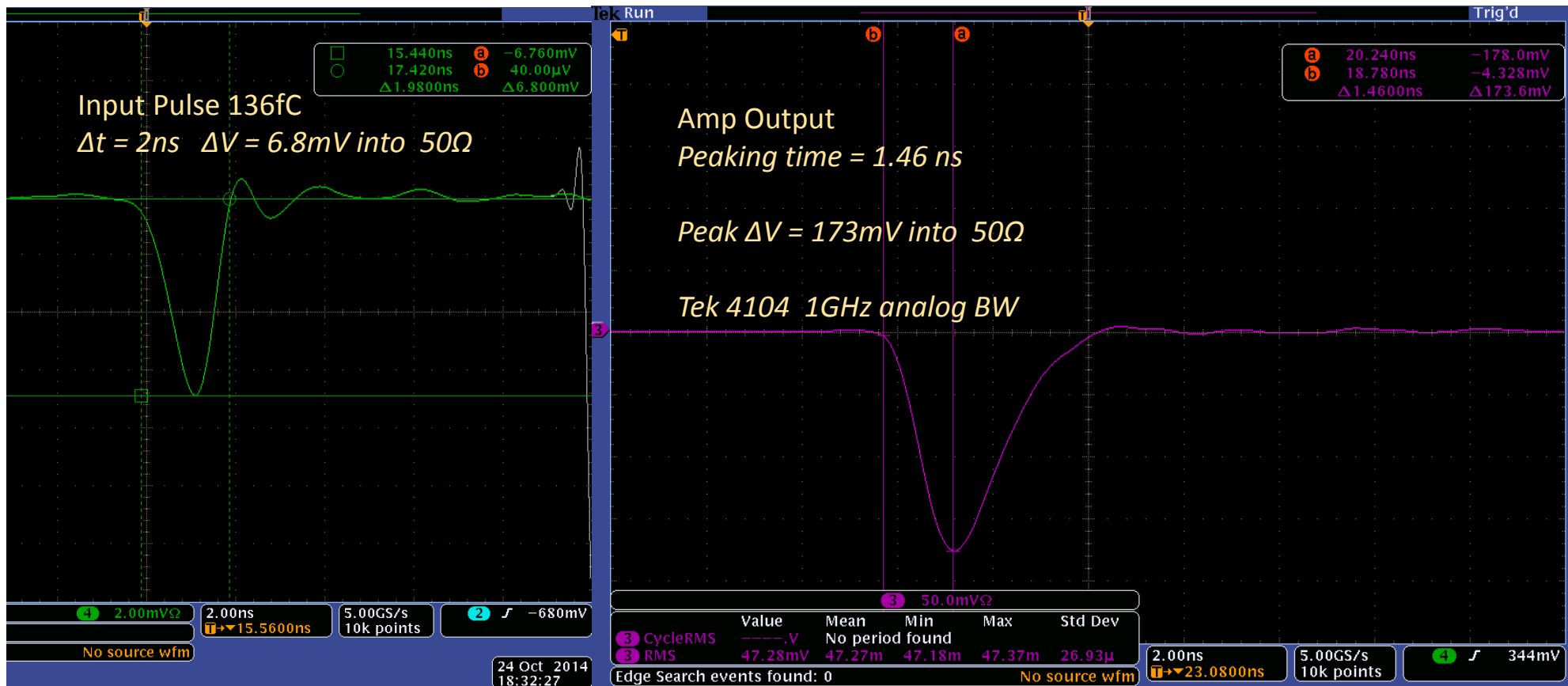


# Update on APD Readout

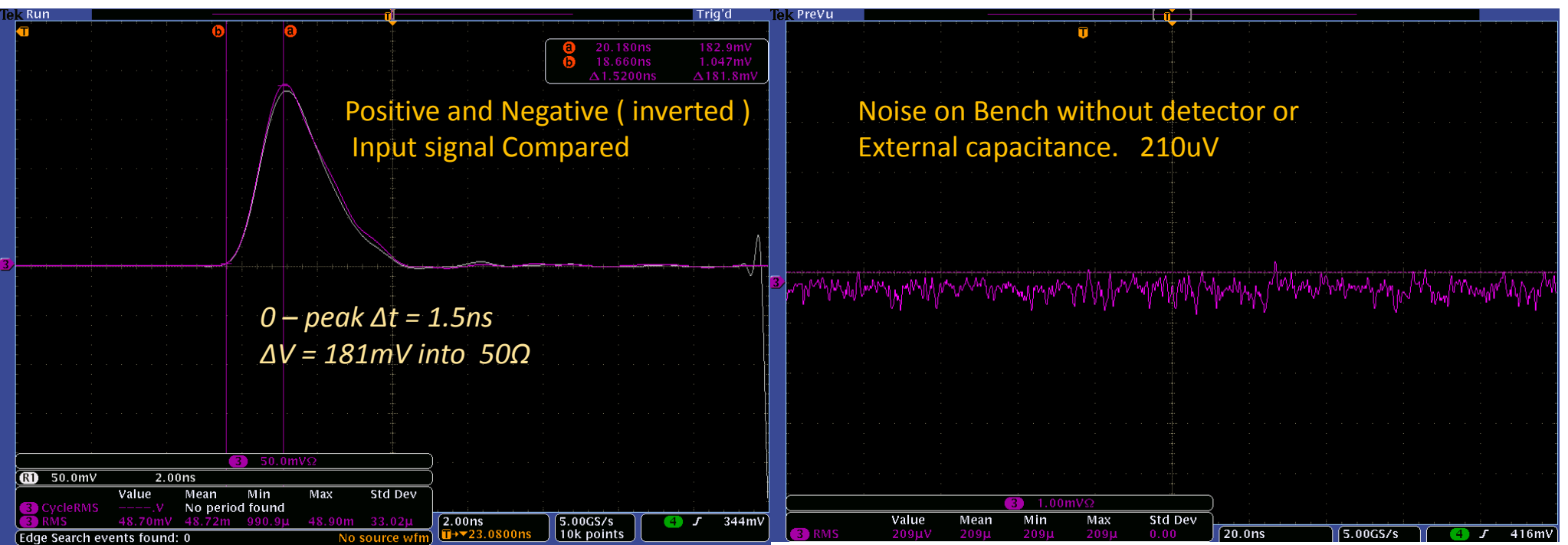
Mitch and Susan

Jan 7, 2015

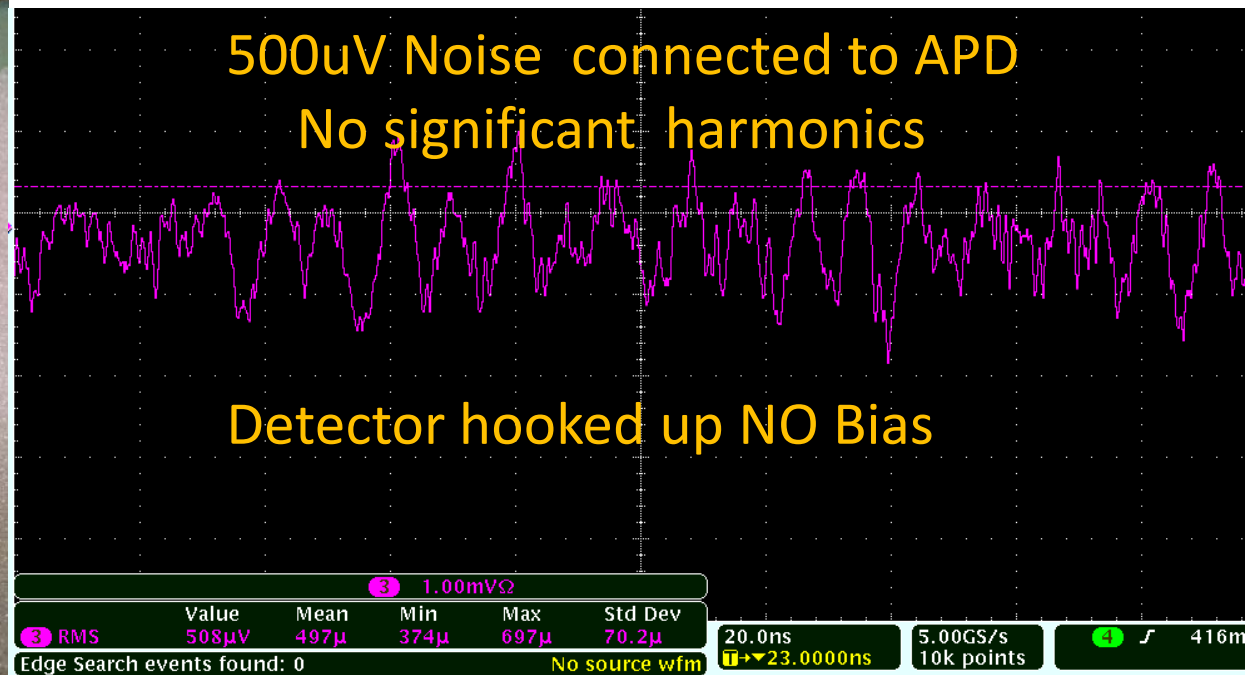
# Low Capacitance Response of Fast Amp



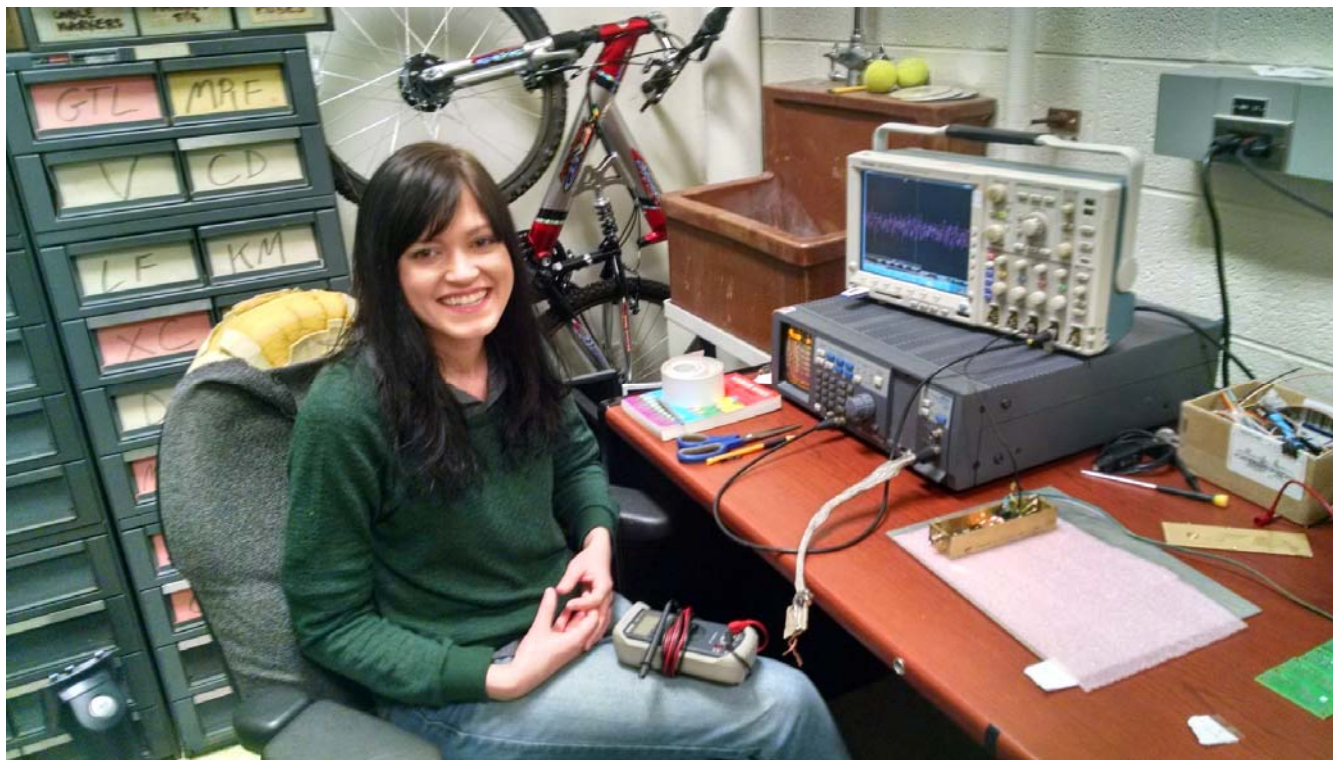
# Signal $\sim 200\text{fC}$ and noise



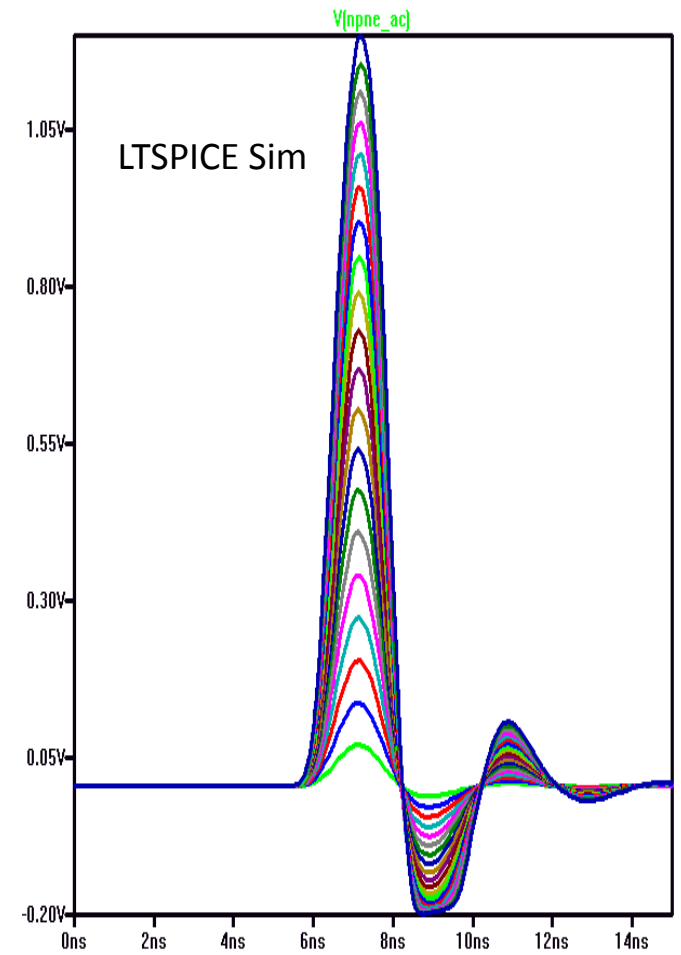
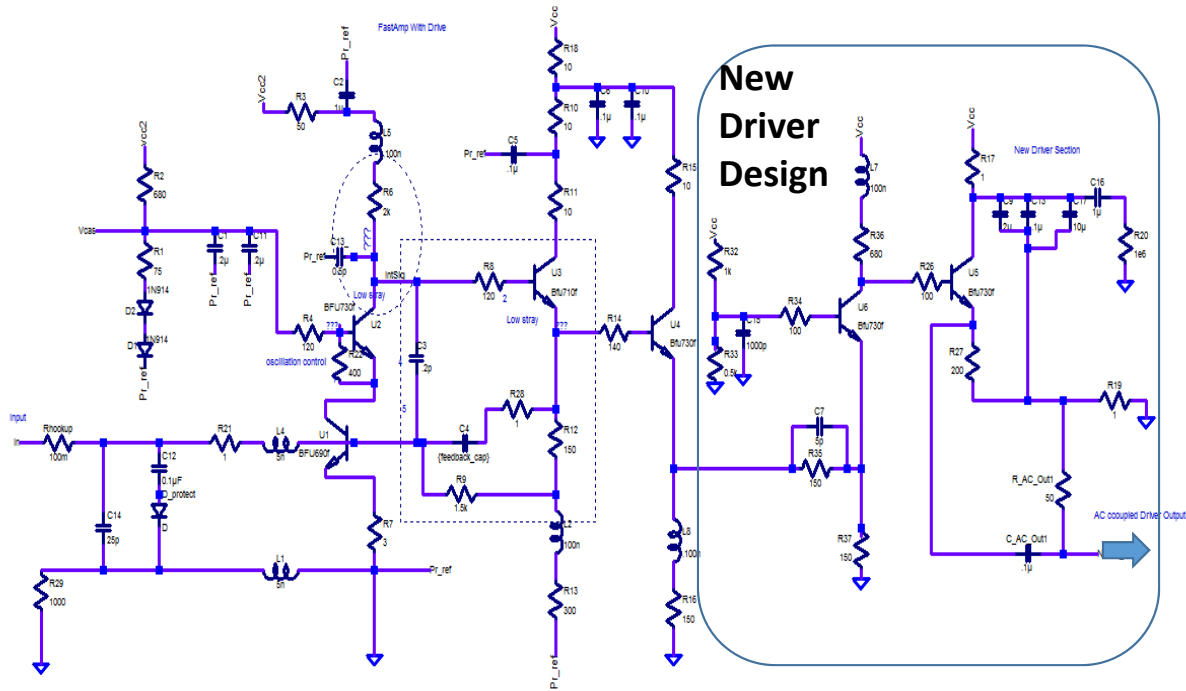
# APD & AMP in Brass Coffin. No Signals Yet.



Lots of Help from Susan Fowler.



# Fast-amp with new driver



# Comments

- We looked at a fast opamp solution to simplify the design:
- OPA847 Silicon Germanium 3.2GHz GBW had a 2ns rise time.  
*dropped for now.*
- Susan is moving on to a SW position at a San Francisco firm.  
*she will miss her analog days.....*
- Call is out to EE school for an analog interested MSEE helper  
(assuming such a persuasion isn't extinct)