

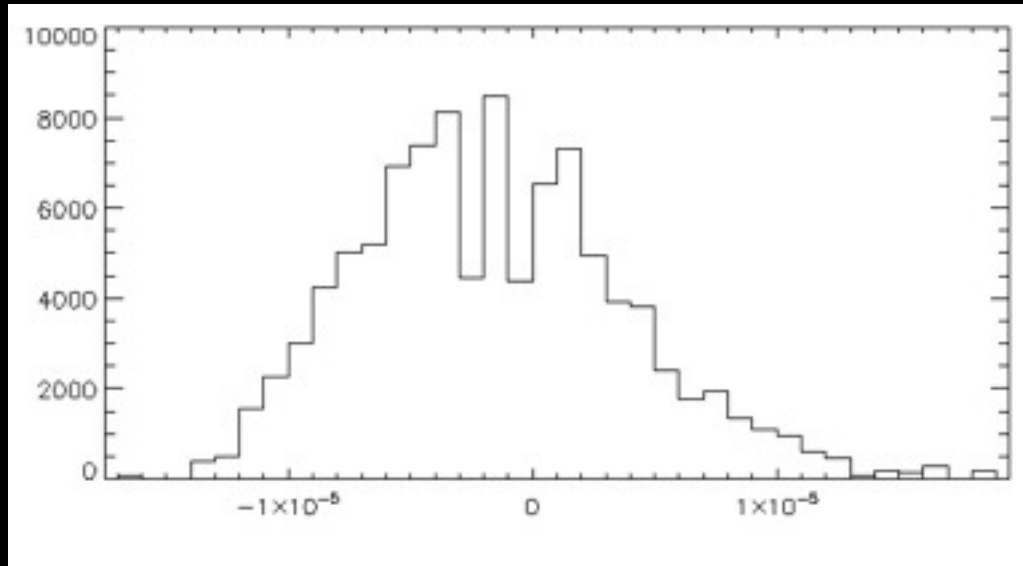
# Fitting transit depths with wavelets

Bekki

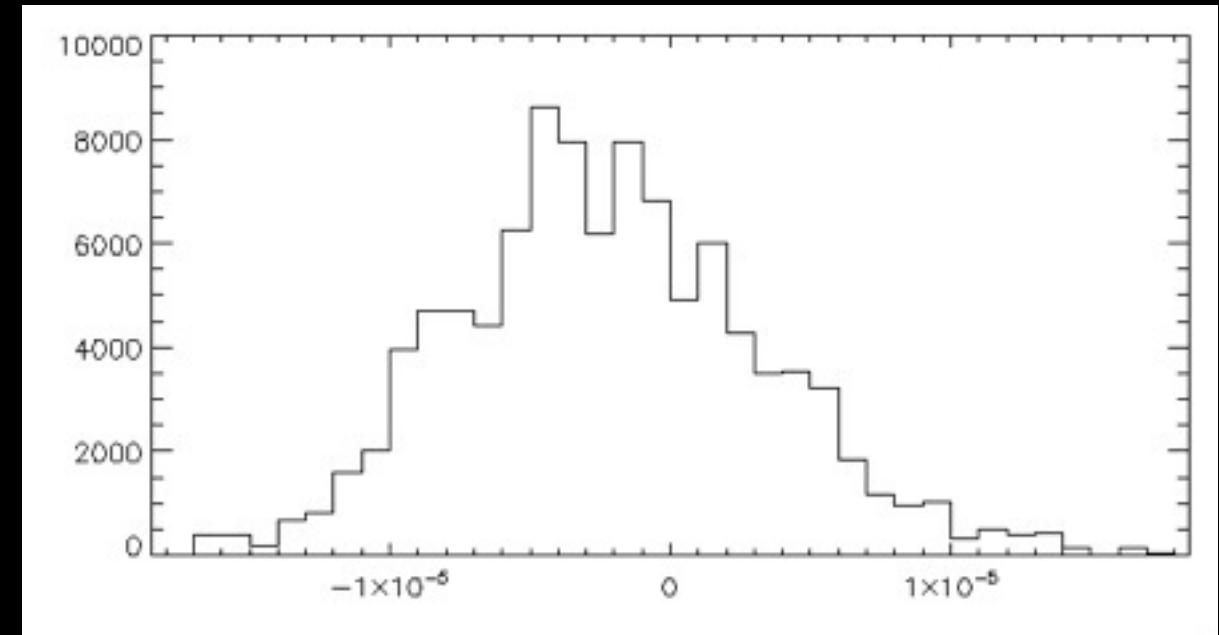
# Current fit

- no correction for missing data
- log-uniform prior on wavelet coefficients
- injected single “transit” into Ben’s llc detrended light curve
- just fit depth of this “transit”

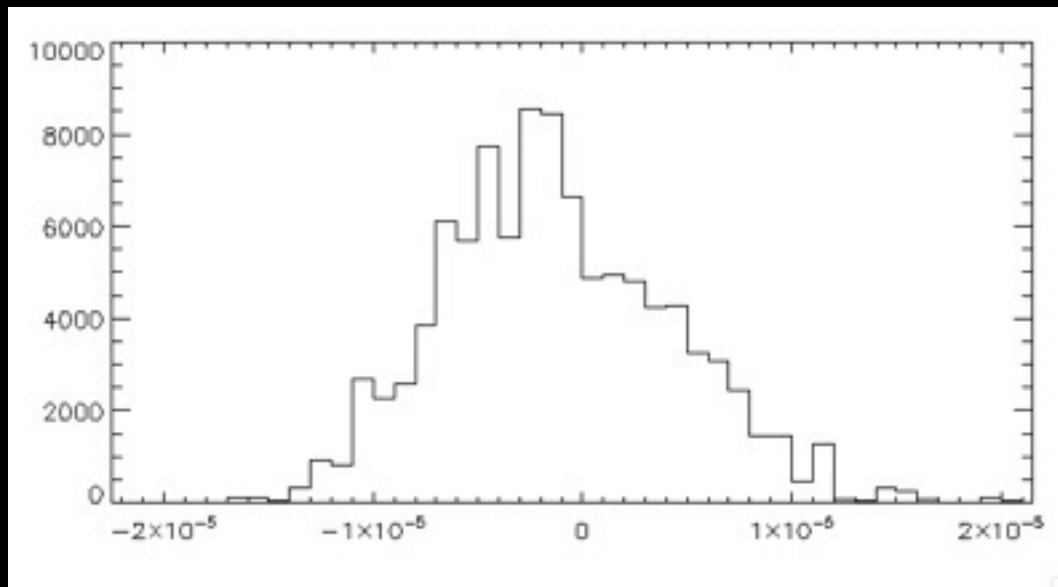
# delta depth



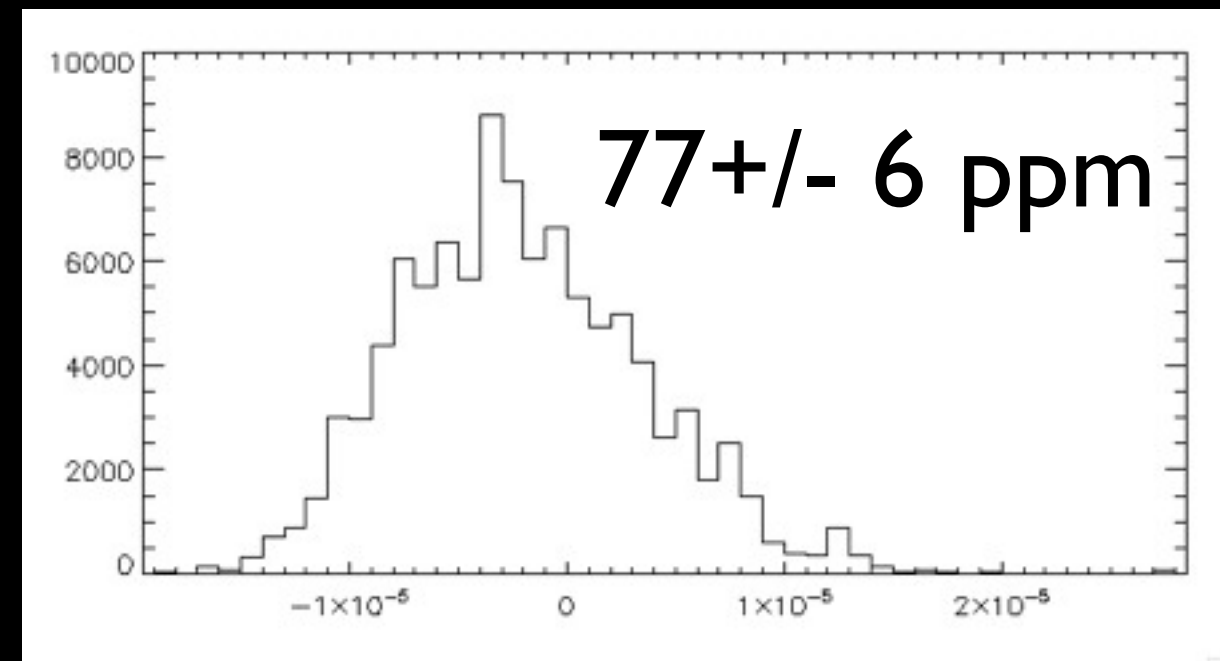
depth=10,000 ppm



depth=100 ppm

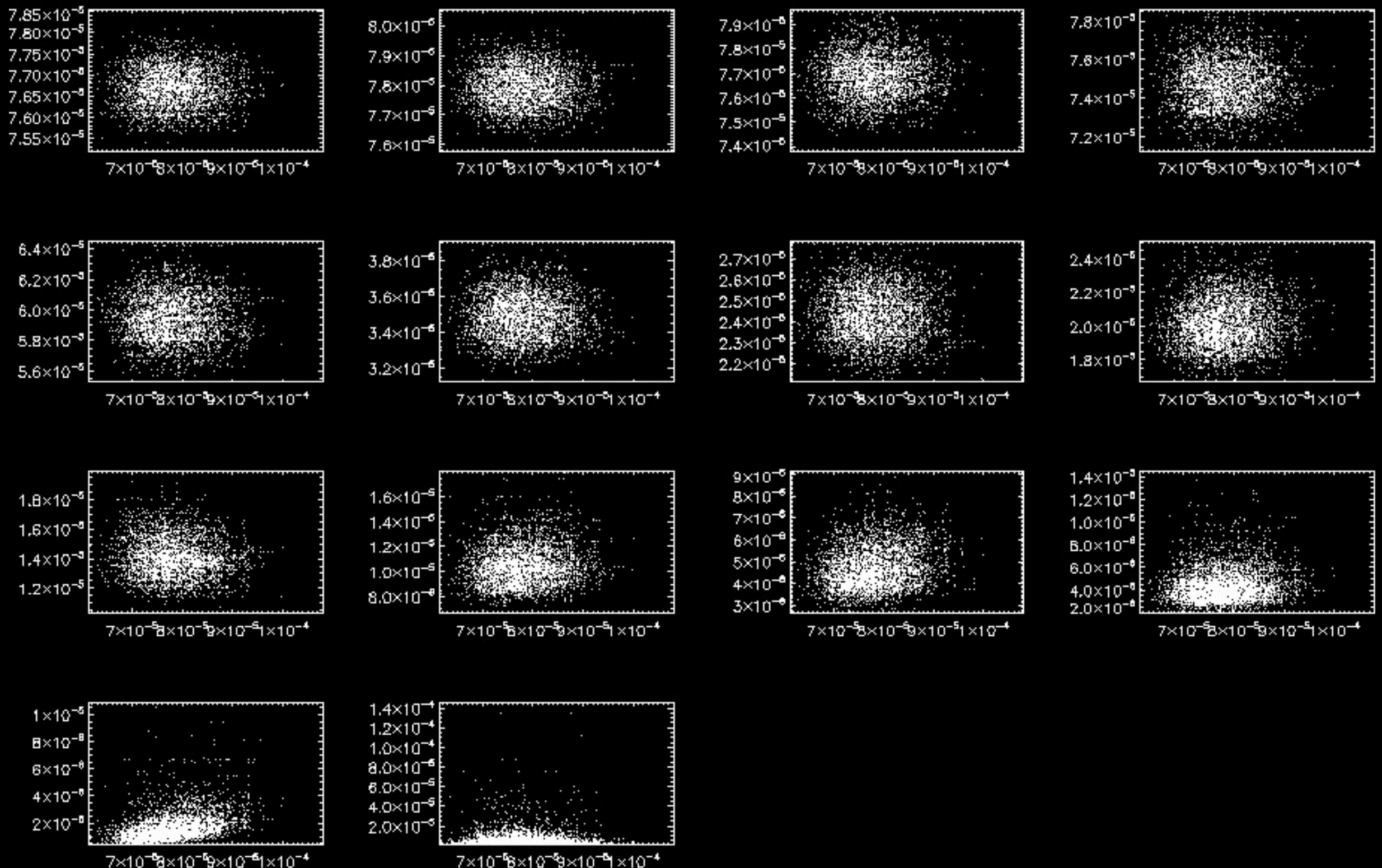


depth=1,000 ppm



depth=80 ppm

# Correlation of wavelet coefficient variance with transit depth (x-axis)



histogram  
depth-true

# Inject transits at 5 other locations

