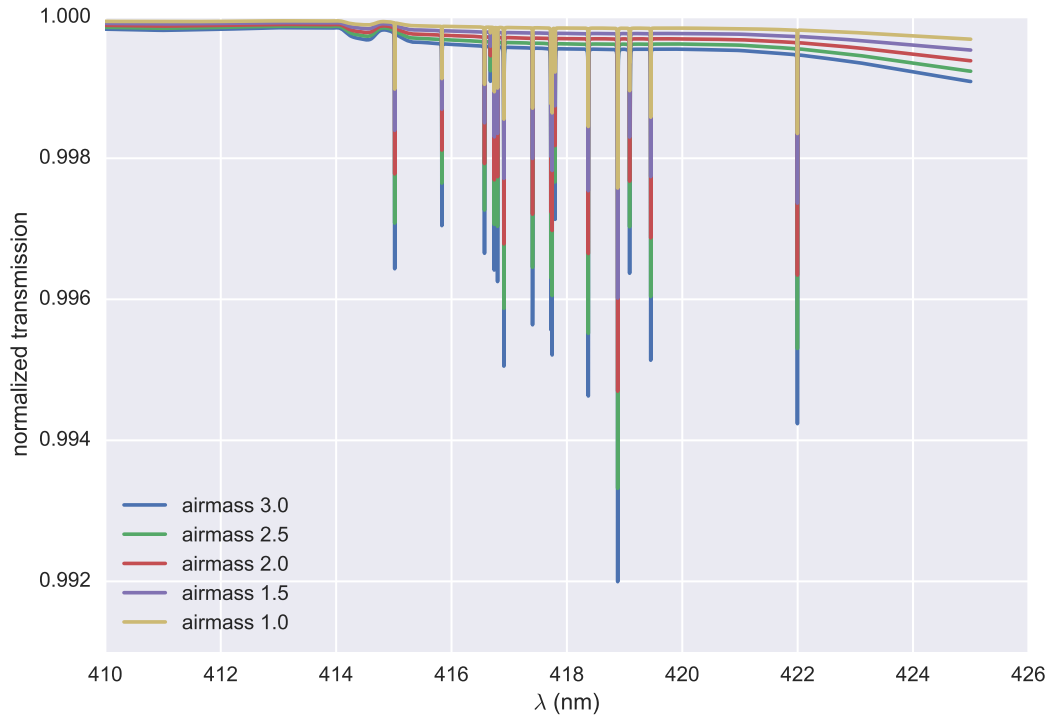


## Normalized Flux and Standard Deviation Time Series

Timeseries was simulated with airmasses randomly chosen from the five shown below.



For now, these airmasses were just selected for 20mm of water vapor at the arbitrary test interval, 410 – 425 nm.

From the list of 50 randomly chosen airmasses, the binsize was increased in increments of 0.15 nm, starting at the left and working right, for a total of 100 bins. For a given binsize, the average normalized flux and standard deviation was calculated at each airmass to simulate variations as a function of time. The results are summarized below, where a faint line corresponds to smaller binsize and bold to larger binsize.

