

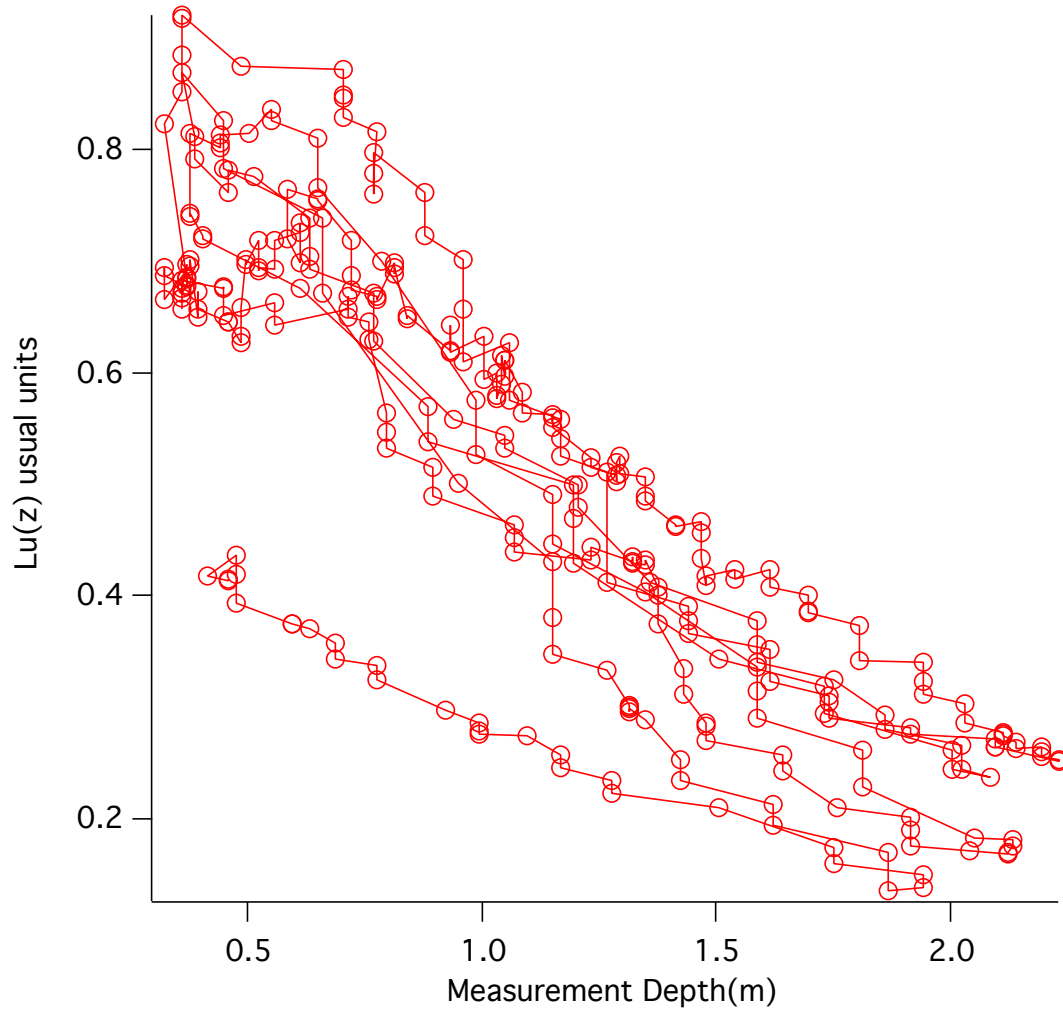
# Getting KL

Will work through one wavelength,  
442 nm

# First steps

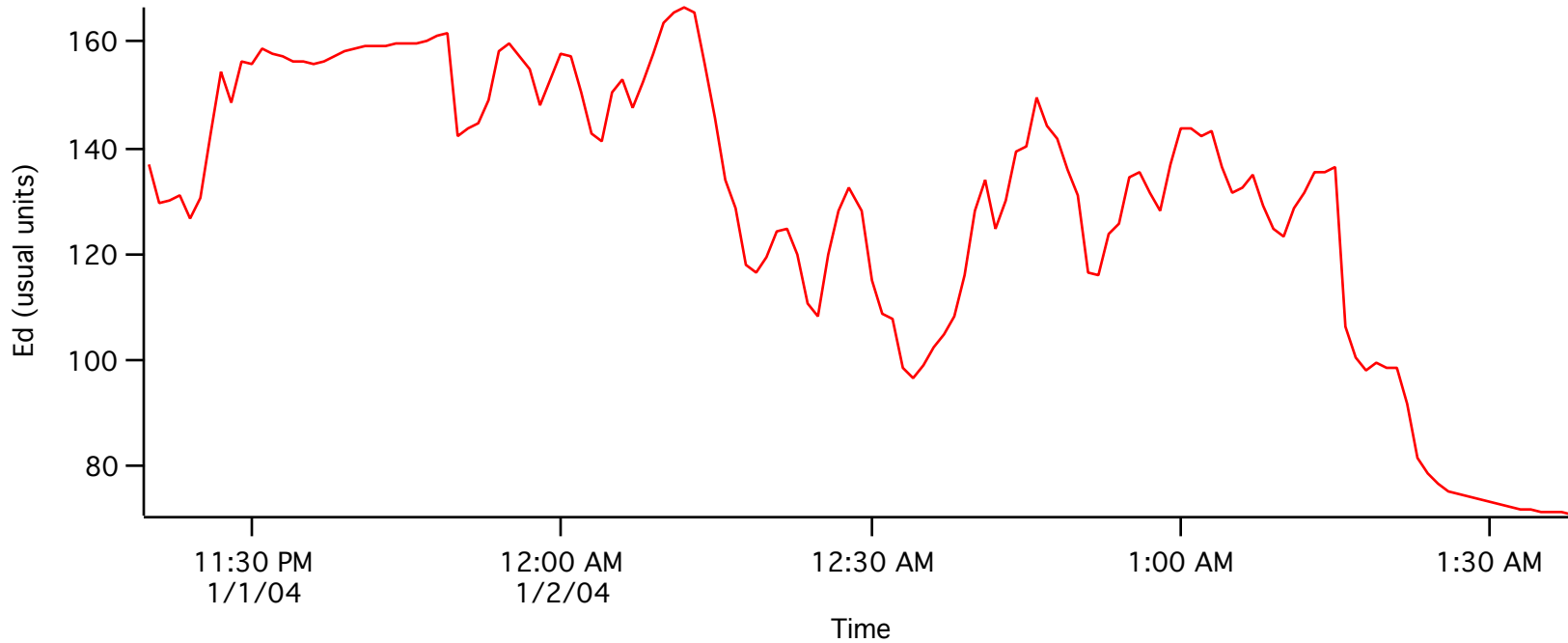
- Use times from Lu file to interpolate into the file which has pressure and time to get pressure (depth) for each Lu measurement.
- Subtract first value (tare value at surface), then add in 0.36m to account for the depth of measurement of the Lu(z).
- Subtract dark from Lu measurements.....note this was done in a short period, so could probably average all the values for each wavelength

# Plot data vs depth



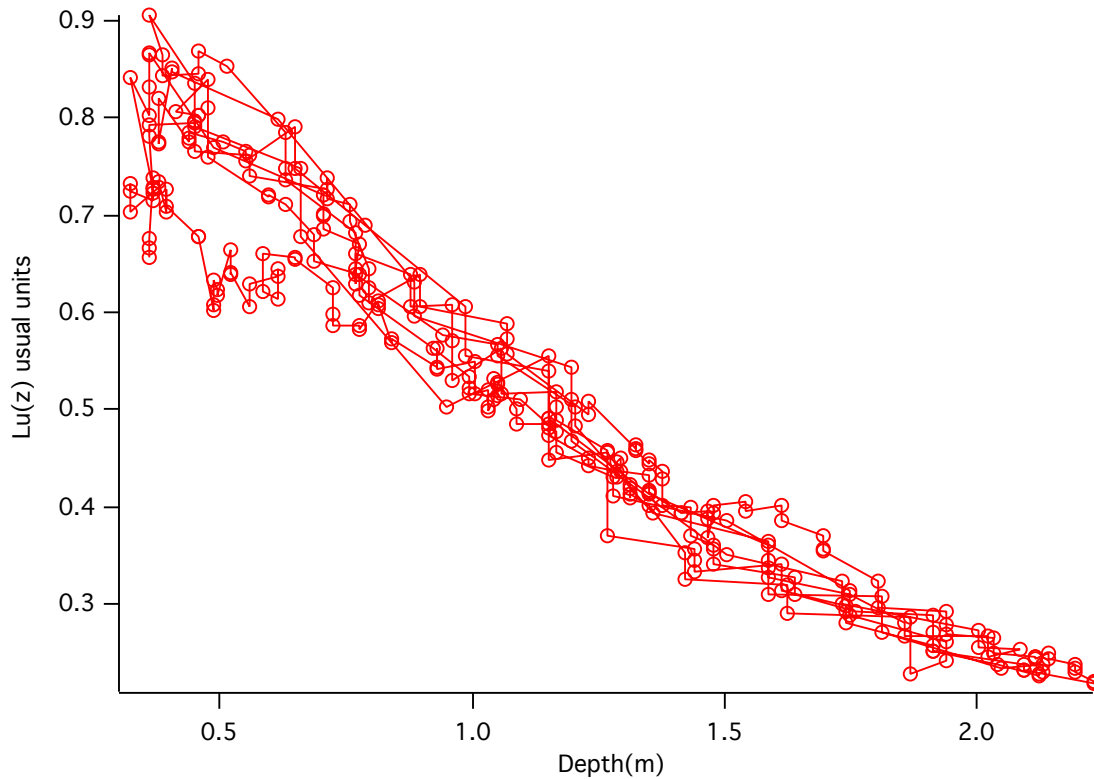
Pretty ugly

# But look...this is what the sky was doing!



# Normalize with downwelling irradiance

$$Lu(z) = Lu(z) * Ed(time = 0) / Ed(measurementtime)$$



# Only use down cast, take Ln of Lu

