

## Anemometer Calibration

Model: Etesian Technologies "breeze"

Location: University of Massachusetts Amherst Wind Tunnel

Date: February 4<sup>th</sup>, 2010

Time: 8:35 pm

Tested by: SP Deptula

### Air Properties

Temperature: 25.7° F

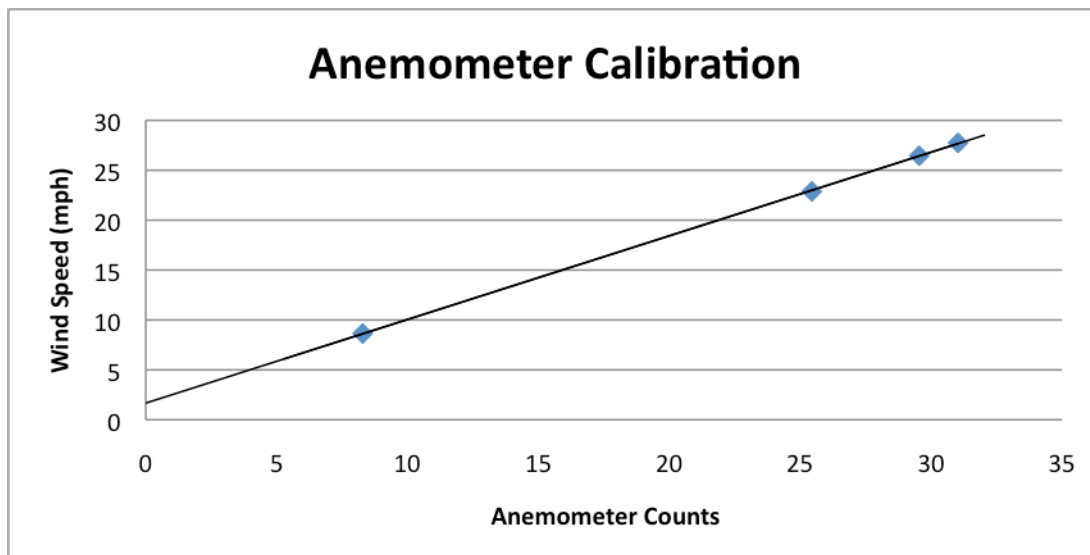
Barometric Pressure: 30.358 In Hg

Relative Humidity: 50%

### Calibration Data

Anemometer Counts (Hz)	3.86313	10.22963	11.82712	12.40165
Wind Speed (mph)	8.2844	25.44118	29.54098	31.02326

### Calibration Plot



Transfer Function:

$$\text{Wind Speed} = 0.8383 \cdot (\text{Counts}) + 1.6703 \text{ (mph)}$$