TimeReading\_PT - Total time that was sampled

**TotalPM25ugcubicmeter\_PT** - Average mass concentration in air over 48 hour period

C - Urban

OCmassugcubicmeter - organic carbon

ECmassugcubicmeter - elemental carbon

TCmassugcubicmeter - total carbon

ECOCmassconc - high=flaming black smoke ec to oc ratio.

**Mean\_bcor\_1 and Mean\_bcor\_2** - measure pm using Hapex mean over 48 hour period

Mean\_temp - in kelvin

Mean\_rh - relative humidity

Mean\_CO

Mean\_CO2

Mean\_MCE - CO2/CO+CO2 what percentage of carbon was oxidized

**Var\_bcor\_1** - variation in reading

**CoverageClass**

**season** \*\*

Hapex will look at anything that comes through it

Hapex will change based on rh

The darker the particle the less likely it is to register through Hapex

Interested in knowing what Happen is telling us.

Hapex to total mass from filter is key\*

Mean -> particle coefficient

The filters only take specific sized pm

Weighted pm based on CO measurements (incomplete combustion)

Research paper due in May