PMF analysis of Pittsburgh 2002

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7th AMS Users Meeting
University of Minnesota
Sept 16, 2006

Pittsburgh 2002

• About 3 weeks of data
• PMF run on organics only – PMF doesn’t know about the inorganics
• PMF will do the math for as many components as you want!
  – “It’s a blessing, and a curse.”
2 factors in PMF

3 factors in PMF
Why should we believe in 3?

Number of factors in PMF solution

Fraction of Mass

4 factors – How would you name them?
5 factors on a poster need names…

Repeating what everyone else said…

• Need to develop metrics for naming factors
• Hopefully we can get to more specific names than HOA and OOA
• Excited to see how (or whether) factors are consistent across sites
• Looking forward to new insights about atmospheric processes from these analyses