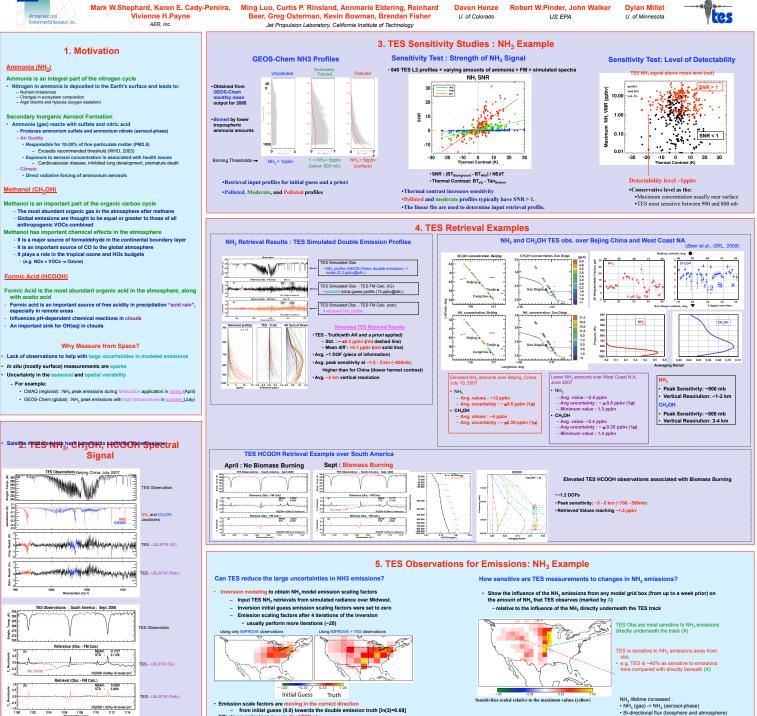


## Satellite Observations of Tropospheric Ammonia, Methanol, and Formic Acid



Emission scale factors are moving in the correct direction
- from initial guess (0.0) towards the double emission truth [In(2)=0.69]
Effects on emissions "upwind" of TES obs.

HCOQH 1.927e+15 molecicm

1108

NH<sub>2</sub> lifetime incr NH<sub>3</sub> (gas) -> NH<sub>4</sub> (aerosol-phase)
Bi-directional flux (biosphere and atmosphere)