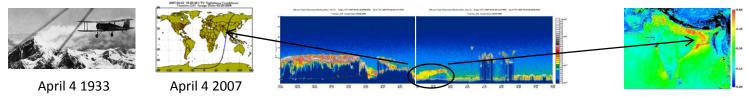
Air Pollution in the Past (and Future)

Harshvardhan, Purdue University, West Lafayette, IN, USA

- •The pre-industrial era global aerosol field is unknown to a large extent
- •This is in contrast with pre-industrial era greenhouse gas concentrations which are known quite well
- •Could measurements made in some parts of the world in 1950 (or even now) be used to provide information on what things were like in 1750?

Houston expedition: flight over Everest April 1933

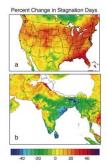
...and at a height of 19,000ft. Everest first became visible above the haze.



Stagnation Days: operational NCDC definition

- •Wind speed threshold of 3.2 m/s for the daily mean wind speed at 10 m
- •Wind speed threshold of 13 m/s for the daily mean wind speed at 500 mb
- Precipitation threshold of 0.5 mm for daily total precipitation

Change in Occurrence of Stagnation Days 2071-2099 minus 1961-1989



Contributing Factors

