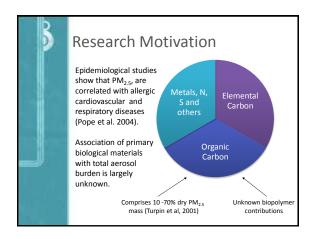
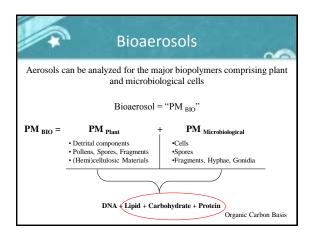
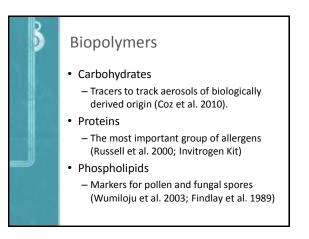


	Impact of Aerosols					
<u>Impacts</u>	General Examples					
Health	Transporting toxic substances, can be inhaled through the respiratory tract					
Climate	Scattering and absorption of solar radiation. Altering cloud properties through their ability to act as cloud condensation nuclei.					
Ecosystem	Reduces sunlight, which could have effects in terrestrial and marine biological productivity					
Visibility	Terrestrial Dust					







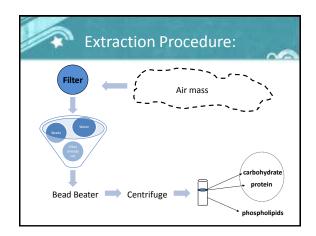
3

Hypothesis

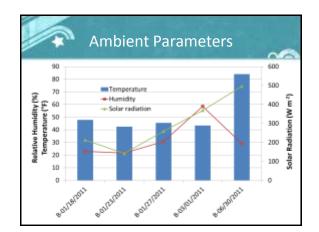
• The carbohydrates, phospholipids and proteins could make a significant contribution to Organic Carbon basis.

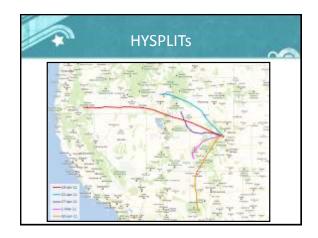


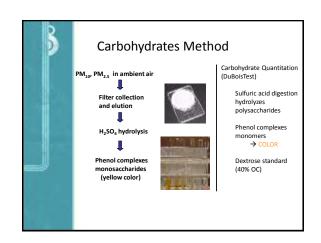


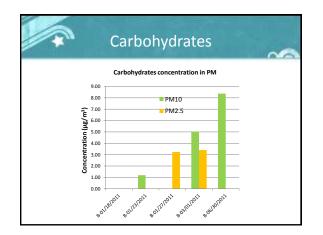


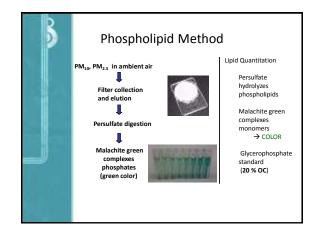


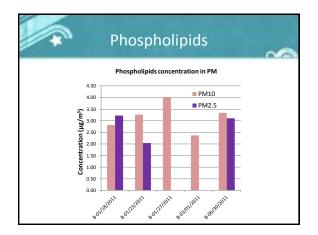


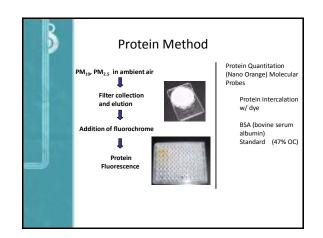




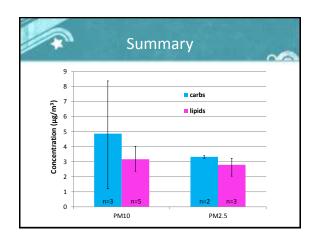


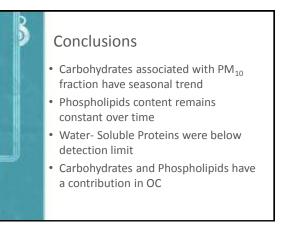






01/18/11	Temperature (°F) 48	Solar Radiation (W m ^{.2}) 23	Relative Humidity (%)	Carbohydrates (µg/m ³) PM ₁₀ PM _{2.5}		Phospholipids (μg/m ³) PM ₁₀ PM _{2.5}		Proteins (μg/m³) PM ₁₀ PM _{2.5}		
				<	<	2.82	3.23	<	<	
01/23/11	43	22	142	1.20	<	3.27	2.04	<	<	
01/27/11	46	31	259	<	3.24	4.02	-	<	<	
03/01/11	43	59	369	5.02	3.41	2.37	-	<	<	
06/30/11	84	29	496	8.37	<	3.34	3.10	<	<	







- Research Experience for Undergraduate Program
- National Institute of Health
- Minority Access for Research Careers Program
- Data

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- NOAA Air Resources Laboratory
- Department of Atmospheric and Oceanic Sciences