

Flight 26, April 19, 2008

Biomass Burning (BB) Pollution Case

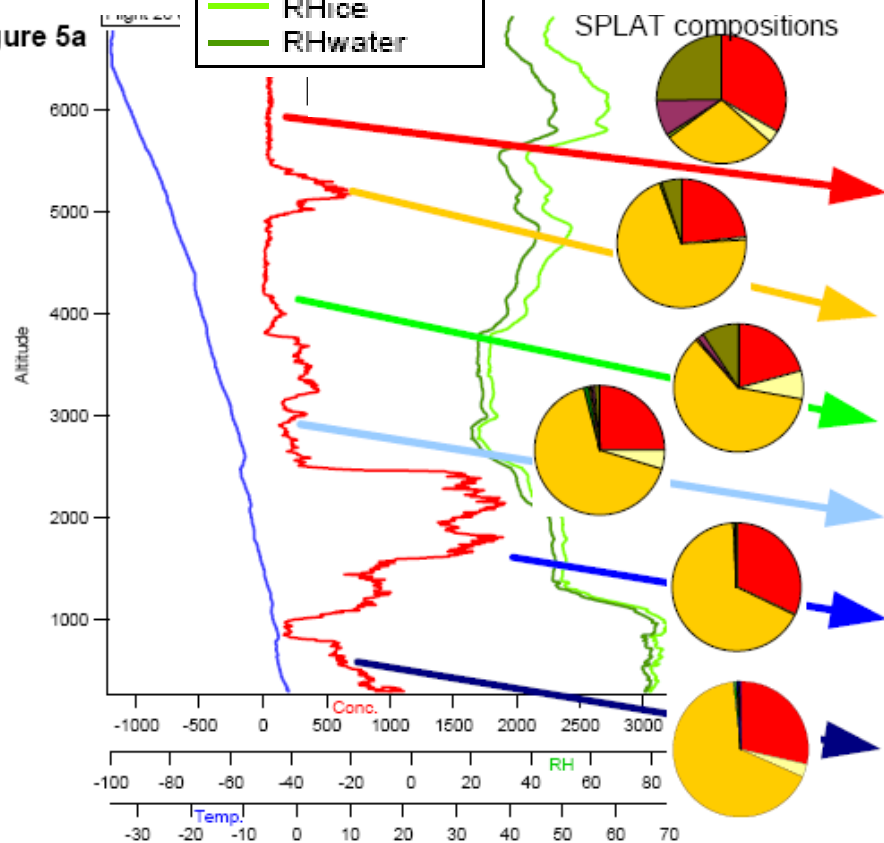
BB-sulfate mixtures dominate when high aerosol # conc.
 When particle concentrations are low (e.g. 6000 m ASL), less BB aerosol, other chemicals appear in pie chart,
 particles peak at smaller sizes

SPLAT compositions

- Sulf_w/ small amnt org
- BB
- BB_Sulfate
- Org1
- Org2
- Org3
- Sulf_BB
- Soot_Sulf
- Pyridine
- Sea Salt

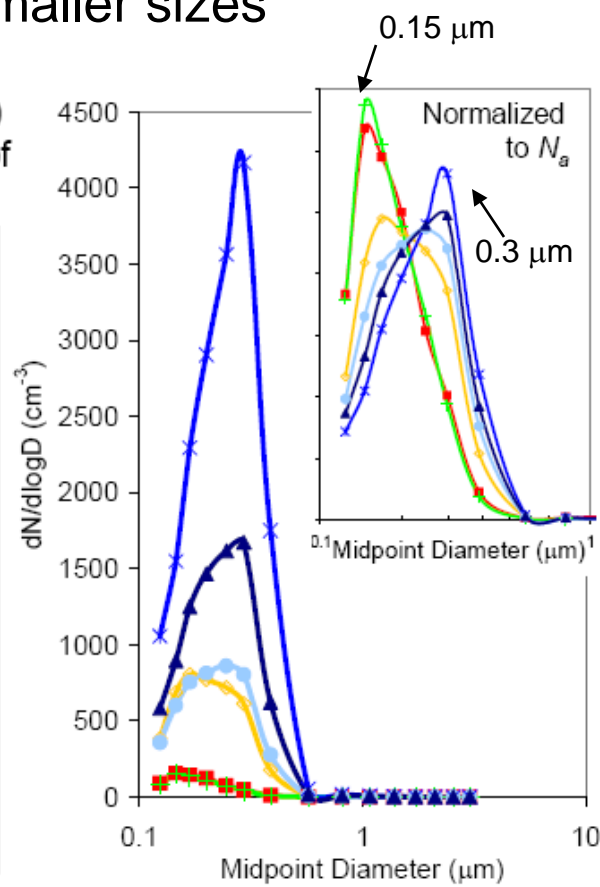
- PCASP conc.
- Temperature
- RHice
- RHwater

Figure 5a



Altitude (m)
 (at centre of average)

- 6107
- 5235
- 4389
- 3075
- 1839
- 737



Flight 15, April 8, 2008

Distinct aerosol layers observed in vertical profile
Uppermost layer has particles in larger size mode

